

UNIVERSITATEA DIN ORADEA
FACULTATEA DE INGINERIE ELECTRICĂ ȘI TEHNOLOGIA INFORMAȚIEI
Departamentul de Calculatoare și Tehnologia Informației, Departamentul de
Electronică și Telecomunicații și Departamentul de Ingineria Sistemelor
Automate și Management

UNIVERSITATEA DIN ORADEA
REGISTRATURA
Intrări / ieșiri
Nr. 6112 din 1904.2024



EVALUARE - RAPORT DE AUTOEVALUARE
CENTRUL DE CERCETARE ÎN TEHNOLOGIA INFORMAȚIEI,
ELECTRONICĂ ȘI AUTOMATICĂ
pentru perioada 2019-2023

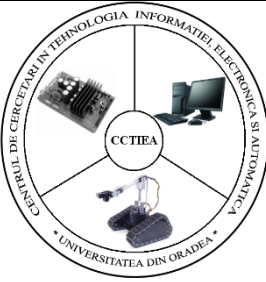
Aprilie 2024

Cuprins RAE

I. Prezentarea Centrului de Cercetare în conformitate cu HG 551 / 2007 (până la apariția unor reglementări legislative în domeniu)

RAE pentru perioada 2019 - 2023

1. DATE DE AUTENTIFICARE / IDENTIFICARE ALE UNITĂȚII DE CERCETARE – DEZVOLTARE

1.1.	Denumirea
	„Centrul de Cercetare în Tehnologia Informației, Electronică și Automatică”
1.2.	Statutul Juridic
	Centru de cercetare din cadrul Universității din Oradea
1.3.	Actul de înființare
	Titlul
	Centru înființat, pe baza hotărârii Consiliului Facultății de Inginerie Electrică și Tehnologia Informației din Oradea
	Data emiterii
	13 iunie 2007
	Organul emitent
	Consiliul Facultății de Inginerie Electrică și Tehnologia Informației
	Modificări ulterioare
	-
1.4.	Nr. din înregistrare în Registrul potențialilor contractori
	1155
1.5.	Director
	Conf.dr.ing. Buciu Ioan, Str.Universității nr.1, Pavilion V, sala V212, Tel. +40 259 408 667, E-mail: ibuciu@uoradea.ro
1.6.	Adresa
	Universitatea Oradea, Pavilion B
1.7.	Tel, Fax, Pagina web, E-mail
	Telefon: +40 259 408 667 Fax: +40 259 408 667, Pagina web: https://www.uoradea.ro/Centre%20de%20cercetare E-mail: ibuciu@uoradea.ro
1.8.	Subordonare
	Facultatea de Inginerie Electrică și Tehnologia Informației
1.9.	Logo
	
1.10.	Scurta descriere a centrului (max. 2000 caractere)
	Centrul de Cercetare în Tehnologia Informației, Electronică și Automatică (CCTIEA) este o entitate de cercetare științifică și dezvoltare tehnologică autonomă din cadrul Universității din Oradea , subordonată Departamentelor de Calculatoare, Electronică și Telecomunicații, și Ingineria Sistemelor Automate și Management din cadrul Facultății de Inginerie Electrică și Tehnologia Informației . CCTIEA cuprinde în structura sa cadre didactice universitare, cercetători, doctoranzi și studenți din ciclul de licență și masterat cu preocupări în domeniul științelor ingineresti

1.11	Misiunea unității de cercetare , dezvoltare , direcțiile de cercetare, dezvoltare, inovare
	Misiunea este descrisă la punctul 3.1
1.12	Valorificarea rezultatelor cercetării, dezvoltării și inovării și gradul de recunoaștere a acestora
	Valorificarea este descrisă la punctul 3.2
1.13	Domenii și categorii, însoțite de cuvinte cheie (opțiuni multiple conform Anexei 7)
	6.1 Centralized Computing Facilities 6.2 Communication Networks 6.3 Complex Data Facilities 6.4 Distributed Computing Facilities 6.5 Software Service Facilities
1.14	Cuvinte cheie suplimentare
	Artificial Intelligence, Multimedia Data Processing, Medical Imaging Processing, Data Mining, Biometrics, Electronic Engineering
1.15	Tipul facilității (conform Anexei 7)
	Distributed RI
1.16	Stadiul de dezvoltare (conform Anexei 7)
	Active RI
1.17	Categoria de infrastructură (opțiuni multiple conform Anexei 7)
	ERIC
1.18	Atașați până la 10 poze cu format 16:9 (până la 2Mb fiecare)
	Pozele sunt disponibile în anexa 8
1.19	Planul de management al datelor manipulate în procesul de cercetare (conform template-ului din Anexa 9)
	Datele manipulate sunt conforme cu politica GDPR. Colectarea datelor se face doar cu acceptul subiecților și se supun protecției datelor personale.
1.20	Politica de access la infrastructura de cercetare și serviciile conexe (conform template-ului din Anexa 10)
	Accesul la infrastructura de cercetare este asigurat personalului implicat și membrilor centrului de cercetare.

2. DOMENIUL

2.1.	Conform clasificarii UNESCO
	33 Științe tehnologice: 3304 Tehnologia calculatoarelor 3306 Ingineria și tehnologia electrotehnică 3307 Tehnologia electronică 3311 Tehnologia aparaturii de măsură și control 3314 Tehnologia medicală 3317 Tehnologia vehiculelor cu motor 3325 Tehnologii pentru telecomunicații 3399 Alte specialități tehnologice (se vor specifica) : Robotică 12 Matematici: 1203 Știința calculatoarelor 1203.04 Inteligență artificială
2.2.	Conform clasificarii CAEN
	58 581: Activități de editare a cărților, revistelor și altele 582: Activități de editare a produselor software 62 620: Activități de servicii în tehnologia informației 63 Activități de servicii informatice 71 712: Activități de testări și analize tehnice 72 721: Cercetare-dezvoltare în științe naturale și inginerie 85 854: Învățământ superior 856: Activități de servicii suport pentru învățământ

95	951: Repararea calculatoarelor și a echipamentelor de comunicații
33	331/3313: Repararea echipamentelor electronice și optice
26	Fabricarea calculatoarelor și a produselor electronice și optice

3. STAREA UNITĂȚII DE CERCETARE – DEZVOLTARE

3.1.	Misiunea unitatii de cercetare dezvoltare, directiile de cercetare, dezvoltare, inovare Misiunea centrului de cercetare este cercetarea științifică fundamentală și aplicativă în domeniul calculatoarelor, electronicii, telecomunicațiilor, sistemelor automate și al acțiunilor electrice. Prin crearea centrului de cercetare-dezvoltare se urmărește: asigurarea unei oferte diversificate de servicii publice ce au legătură cu domeniile de activitate ale centrului, dezvoltarea unui parteneriat puternic cu mediul economic, realizarea de expertize și consultanță de specialitate, organizarea unor cursuri de formare profesională pentru tinerii cercetători, etc. Direcțiile de cercetare ale centrului sunt următoarele: ➤ arhitectura, testarea, optimizarea fiabilității și a performanțelor sistemelor de calcul; ➤ securitatea informațiilor în rețele de calculatoare; ➤ dezvoltarea aplicațiilor de control în timp real; ➤ procesarea imaginilor, inteligență artificială, calcul neural și aplicații ale acestora; ➤ sisteme de gestiune a bazelor de date și dezvoltarea tehnicilor data mining; ➤ electronică aplicată și de putere; ➤ prelucrarea și analiza semnalelor multidimensionale; ➤ telecomunicații; ➤ tehnologii audio-video; ➤ crio-electronică; ➤ expertiză și consultanță în domeniul electronicii și telecomunicațiilor; ➤ analiza proceselor; ➤ sisteme de acționare electrică; ➤ sisteme de reglare; ➤ conducerea roboților și a liniilor de fabricație flexibile, roboți mobili; ➤ proiectarea asistată a sistemelor automate, ingineria calității și fiabilitatea acestora; ➤ cercetări privind dependabilitatea în conducerea proceselor cu automate programabile; ➤ elemente și metode de conducere inteligentă. ➤ securitatea datelor personale.
3.2.	Modul de valorificare a rezultatelor de cercetare, dezvoltare, inovare și gradul de recunoaștere a acestora • Participarea în programe de cercetare-dezvoltare naționale și internaționale. • Elaborarea de lucrări științifice publicate în reviste de specialitate cotate ISI/BDI, prezentate la conferințe/simpozioane naționale și internaționale. • Elaborarea de cărți de specialitate/monografii, capitole din cărți și cursuri universitare în domeniile prioritare. • Elaborarea de studii și rapoarte pentru domeniile de competență ale centrului. • Organizarea de seminarii, cursuri de specialitate pentru formarea profesională a tinerilor cercetători și specialiști din mediul industrial, local și regional. • Participarea studenților, masteranzilor și doctoranzilor în programele de cercetare. • Realizarea de modele experimentale, simulări pe calculator, integrarea rezultatelor cercetării în alte domenii tehnice. • Creșterea nivelului științific și de instruire a participanților. • Prin rezultatele obținute, centrul va contribui la creșterea competitivității și vizibilității cercetării românești.

4. CRITERII PRIMARE DE PERFORMANȚĂ

4.1. Lucrări științifice/tehnice publicate în reviste de specialitate cotate ISI

Numar de lucrari stiintifice: 107x30 = 3210

Nr.	Data	Autor(i)	Titlul articolului	Revista ISI	ISSN	Factorul
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crt.	publicarii						de impact al revistei
	An	Luna					
1	2023	Jan	Gulati, V ; Kumar, D ; Popescu, DE ; Hemanth, JD	Extractive Article Summarization Using Integrated TextRank and BM25+ Algorithm,	DOI10.3390/electronics12020372, WOS:000914541500001, 2079-9292, ELECTRONICS, Current Publisher MDPIST ALBAN-ANLAGE 66, CH-4052 BASEL, SWITZERLAND, Volume12, Issue2, Article Number: 372, Published: JAN 2023, Indexed: 2023-02-05, IDS Number: 7X9VW	eISSN: 2079-9292	2.9
2	2023	Apr	Bungau, C.C., Bungau, C., Toadere, M.T., Prada-Hanga, I.F., Bungau, T., Popescu, D.E., Prada, M.F., 2023	Solutions for an Ecological and Healthy Retrofitting of Buildings on the Campus of the University of Oradea, Romania, Built Starting from 1911 to 1913	Sustainability (Switzerland) 15 (8), Source, Volume15 Issue: DOI10.3390/su15086541, Article Number: 6541, Published: APR 2023, Indexed: 2023-05-26, Current Publisher: MDPIST ALBAN-ANLAGE 66, CH-4052 BASEL, SWITZERLAND, Accession Number: WOS:000984040500001, IDS Number: F7IK6, Accession Number: WOS:000984040500001	eISSN: 2071-1050	3.9
3	2023	Apr	Kalbhor, M; Shinde, S; Popescu, DE; Hemanth, DJ	Hybridization of Deep Learning Pre-Trained Models with Machine Learning Classifiers and Fuzzy Min-Max Neural Network for Cervical Cancer Diagnosis,	DIAGNOSTICS, Volume 13, Ussue: 7, DOI10.3390/diagnostics13071363, Article Number: 1363, Published: APR 2023, Indexed: 2023-05-01, Accession Number WOS:000968445000001	eISSN: 2075-4418 PubMedID, 337046581	3.6
4	2023	Sept	Cornelia A. Györödi, Tudor Turtureanu, Robert S Györödi, Doina R. Zmaranda	Implementing a Synchronization Method between a Relational and a Non-Relational Database	Big Data and Cognitive Computing 7, no 3:153	2504-2289	3.7
5	2023	Jun	David, Ghiurău, Doina Rodica Zmaranda, Robert-Ştefan Györödi, and Cornelia A. Györödi	Exploring the Impact of Workflow Engines on Business Process Management in Enterprise Applications. A case-study: Camunda	17th International Conference on Engineering of Modern Electric Systems (EMES), pp. 1-4. IEEE, 2023	979-8-3503-4203-1	0.25
6	2023	Jun	Magics-Verkman, Hannelore, Doina Rodica Zmaranda, Cornelia A. Györödi, and Robert-Ştefan Györödi	A Comparison of Architectural Patterns for Testability and Performance Quality for iOS Mobile Applications Development	17th International Conference on Engineering of Modern Electric Systems (EMES), pp. 1-4. IEEE, 2023	979-8-3503-4203-1	0.25
7	2023	JUL-SEP T	Anca, Porumb; Cristian, Teusdea Alin; Kamel, Earar; Adela, Gabor Gianina	PROFESSIONAL DENTAL CLEANING EFFECT ON VENEERS AND NATURAL TEETH AFTER PROPOLISETHANOLIC EXTRACT TREATMENT	ROMANIAN JOURNAL OF ORAL REHABILITATION Volume 15, Issue 3 Pages 396-410	2066-7000	0.7
8	2023	June	Naghiu, I.M., Gal, T.O., Vancea, C., Gabor G., Rus, D., Covaciu, M.	Extracting Essential Oils from the Hawthorn (Crataegus monogyna) in the Microwave Field	17th International Conference on Engineering of Modern Electric Systems, EMES 2023 Document type: Conference Paper DOI: 10.1109/EMES58375.2023.10171729	ISBN: 979-835031063-4	0.25
9	2023	Mai	Adrian Codoban, Helga Silaghi, Sanda Dale, Vlad Muresan	Remote Monitoring the Parameters of Interest in the 18O Isotope Separation Technological Process	Processes, 2023, 11(6), 1594; Special Issue Dynamics Analysis and Intelligent Control in Industrial Engineering, WOS:001015943500001	2227-9717	3,5
10	2023	Jun	Sicoe Silviu Ioan; Crainic Ghita Cristian; Samuel Alina Dora; Bodog Marinela Florica; Ioan Calin Ioan; Curila Sorin; Haruta Ioan Ovidiu; Serban	Analysis of the Effects of Windthrows on the Microbiological Properties of the Forest Soils and Their Natural Regeneration	FORESTRY	1999-4907	2.9

			Eugenia; Dorog Lucian Sorin; Sabau Nicu Cornel				
11	2023		Grava Adriana- Marcela; Marian Melinda; Grava Cristian; Curila Sorin; Trip Nistor- Daniel	Bond-graph analysis and modelling of a metal detector as an example of electro- magnetic system	AIN SHAMS ENGINEERING JOURNAL	2090-4479	6
12	2023	Jun	Viorica Spoiala	Image segmentation used in automatics	17th International Conference on Engineering of Modern Electric Systems (EMES), DOI: 10.1109, EMES58375.2023.10171699, publisher IEEE Xplore https://ieeexplore.ieee.org/document/10171699	979-8- 3503-4203- 1	0.25
13	2023	Jun	Helga Silaghi, Viorica Spoială, Claudiu Costea, Liliana Magdoi, Jan Gamec, Marius Silaghi	Energy Quality Analysis of Electrical Drive Systems with Induction Machine	17th International Conference on Engineering of Modern Electric Systems (EMES), June 09-10 2023, Oradea, Romania, DOI: 10.1109/EMES58375.2023.10171789	978-1- 6654-4995- 3	0.25
14	2023	Jul	Cuc Adriana-Maria, Vari-Kakas Ștefan, Poszet Otto, Morgoș Florin Lucian	Using IoT to Implement a Weather Monitoring and Prediction System	17th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, Romania, DOI: 10.1109/EMES58375.2023.10171773	836-9866	0.25
15	2023	Jul	A.Schiop	A Step-Up Five Level Inverter with Reduced Number of Components	International Symposium on Signals, Circuits and Systems, ISSCS 2023, Iasi, 13-14 July, 2023, Electronic ISBN:979-8-3503-4203-1	979-8- 3503-4203- 1	0.25
16	2023	Jun	Moisi, E.V., Coman, S.M., Gabor, G.A., Pater A.M., Coman, O., Popescu, D.E	Comparing the Effectiveness of Machine Learning Algorithm Implementations Based on the Use of Cloud Services	17th International Conference on Engineering of Modern Electric Systems, EMES 2023 Document type: Conference Paper DOI: 10.1109/EMES58375.2023.10171716	979- 835031063 -4	0.25
17	2023	Jun	Tiberiu Barabas, Helga Silaghi, Dragoș Spoială, Maria Gamcova,	Control System of an Autonomous Object Tracking Robot	17th International Conference on Engineering of Modern Electric Systems, EMES 2023, ISBN: 979- 835031063-4, June 2023, DOI: 10.1109/EMES58375.2023.10171684	978-1- 6654-4995- 3	0.25
18	2023	Jun	Dulgheriu Vasile- Alexandru, Gergely Eugen, Coroiu Laura, Linawati Linawati	Versatile Control of an Automotive Assembly Line by using Programmable Logic Controllers	17th International Conference on Engineering of Modern Electric Systems (EMES), June 09-10 2023, Oradea, Romania, DOI: 10.1109/EMES58375.2023.10171789	978-1- 6654-4995- 3	0.25
19	2023	Jun	Adrian Codoban, Laura Coroiu, Eugen Gergely, József Sárosi	System for Determining the Shape of the Wavefront of a Nonsinusoidal Periodic Acoustic Wave	17th International Conference on Engineering of Modern Electric Systems (EMES), June 09-10 2023, Oradea, Romania, DOI: 10.1109/EMES58375.2023.10171789	978-1- 6654-4995- 3	0.25
20	2023	Jun	Pop, M. V., Tonț, G., Șandor A.	Innovation Management Opportunities of Artificial Intelligence Social Enterprises in Romania	17-th International Conference on Engineering of Modern Electric Systems (EMES), 2023, Oradea, Romania	978-1- 6654-4995- 3	0.25
21	2023	Jun	Șandor A., Tonț, G., M. V. Pop.	Knowledge Management System Evaluation Using Genetic Algorithm and Monte Carlo Method	17-th International Conference on Engineering of Modern Electric Systems (EMES), 2023, Oradea, Romania	978-1- 6654-4995- 3	0.25
22	2022	May	Cornelia A. Győrödi, Diana V. Dumșe-Burescu, Doina R. Zmaranda, and Robert Ș. Győrödi	A Comparative Study of MongoDB and Document-Based MySQL for Big Data Application Data Management	Big Data and Cognitive Computing, 6, no. 2: 49, 2022	2504-2289	3.90
23	2022	Nov	Lisa Craiut, Constantin Bungau, Tudor Bungau,	Technology transfer, sustainability, and development, world-wide and in Romania	Sustainability 2022	2071-1050	3.251

			Cristian Grava, Pavel Otrisal and Andrei-Flavius Radu				
24	2022	may	Helga Silaghi, Viorica Spoială, Sanda Dale, Claudiu Costea, Tiberiu Barabas, Dragoș Spoială, Andrei Silaghi	<i>Field Orientation Control of a PMSM Electrical Drive System with Application in Hybrid Electric Vehicle</i>	Proceedings of 2022 IEEE International Conference on Automation, Quality and Testing, Robotics, AQTR 2022 (THETA 23), Cluj-Napoca, Romania, May 19-21, 2022	978-1- 166547933 -2	0.25
25	2021	Jun	D. Zmaranda, L. -L. Pop-Fele, R. Győrödi and C. Győrödi	<i>Actor Model versus TPL for applications development</i>	16th International Conference on Engineering of Modern Electric Systems (EMES)	978-1- 6654-4995- 3	0.25
26	2021	Dec	R.D. Zmaranda, C.I. Moisi, C.A. Gyorodi, R.S. Gyorodi, L. Bandici	An Analysis of the Performance and Configuration Features of MySQL Document Store and Elasticsearch as an Alternative Backend in a Data Replication Solution	APPLIED SCIENCES-BASEL, Volume: 11, Issue: 24, Article Number: 11590, DOI: 10.3390/app112411590, WOS:000735469100001, 2021	2076-3417	2.679
27	2021	Jun	Doroghi Capitan M., Sas D., Tont G., Varban R., Coroiu L., Spoiala D.	Project Management in Steel Manufacturing	16th International Conference on Engineering of Modern Electric Systems (EMES), Virtual Conference	978-1- 6654-4995- 3	0.25
28	2022	Oct	Helga Silaghi, Laura Coroiu, E. Gergely, Liliana Doina Măgdoi, M, Romocea, R. Ivan	Application of Principle of Power Deliveries Settlement for 330 KV Electric Power Network	The Scientific Bulletin of Electrical Engineering Faculty, Volume 22 (2022): Issue 1	2286-2455	0.25
29	2021	Jul	C.A. Gyorodi, D.V. Dumse-Burescu, R.S. Gyorodi, D.R. Zmaranda, L. Bandici, D.E. Popescu	Performance Impact of Optimization Methods on MySQL Document-Based and Relational Databases	APPLIED SCIENCES-BASEL, Volume: 11, Issue: 15, Article Number: 6794, DOI: 10.3390/app11156794, WOS:000681800600001, 2021	2076-3417	2.679
30	2021	Dec	Inderpreet Singh Walia; Deepika Kumar; Kaushal Sharma; Jude D. Hemanth; Daniela Elena Popescu	An Integrated Approach for Monitoring Social Distancing and Face Mask Detection Using Stacked ResNet-50 and YOLOv5	Electronics 2021, Volume 10, Issue 23, 2996, DOI: 10.3390/electronics10232996	2079-9292	2.408
31	2021	May	Ursu. M. P.	Digital Electronic Modules for Command and Control of Miniature Railway Systems	16th International Conference on Engineering of Modern Electric Systems (EMES)	978-1- 6654-4995- 3	0.25
32	2021	Jun	J. Hemalatha, S. Geetha, R. Geetha, C. Balasubra manian, Daniela Elena Popescu and D. Jude Hemanth	Reversible Data Hiding Based on Varying Radix Numeral System,	CMC-Computers Materials & Continua	1546-2226	3.271
33	2021	Marc h	Bini Darwin, Pamela Dharmaraj, Shajin Prince, Daniela Elena Popescu and Duraismy Jude Hemanth	Recognition of Bloom/Yield in Crop Images Using Deep Learning Models for Smart Agriculture: A Review	Agronomy 2021, vol: 11, 646, Special Issue Machine Learning Applications in Digital Agriculture	1546-2226	3.64
34	2021	May	ALBU Răzvan- Daniel, GORDAN Emilia Cornelia	Counting Atypical Metal Pieces System. An Eddy Currents approach	16th International Conference on Engineering of Modern Electric Systems (EMES)	978-1- 6654-4995- 3	0.25
35	2021	June	Vari-Kakas Ștefan, Poszet Otto, Pater Alexandrina Mirela, Moisi Elisa Valentina, Vari- Kakas Andor	Issues Related to the Use of Blockchains in IoT Applications	16th International Conference on Engineering of Modern Electric Systems (EMES), 10-11 June 2021	978-1- 6654-4995- 3	0.25
36	2021	Aug	E. Alexa, D. Zmaranda and E. V. Moisi	Modeling and Solving the University Timetabling Problem using the Constraints Satisfaction Model: A Case Study	2021 13th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), 2021, pp. 1-6	978-1- 6654-2534- 6	0.25

37	2021	Aug	D. -T. Belenesi, G. Gabor and E. V. Moisi	Comparative study on WPF and UWP Frameworks used in RSS Application	13th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), 2021, pp. 1-6	978-1-6654-2534-6	0.25
38	2021	Jun	N. E. Costea, E. V. Moisi and D. E. Popescu	Comparison of Machine Learning Algorithms for Prediction of Diabetes	16th International Conference on Engineering of Modern Electric Systems (EMES)	978-1-6654-4995-3	0.25
39	2021	Jun	T. -D. Tripon, G. Adela Gabor and E. Valentina Moisi	Angular and Svelte Frameworks: a Comparative Analysis	16th International Conference on Engineering of Modern Electric Systems (EMES)	978-1-6654-4995-3	0.25
40	2021	Jun	Ioana Lavinia Dejeu, Laura Gratiela Vicaș, Tunde Jurca, Alin Cristian Teușdea, Maria Eugenia Mureșan, Luminița Fritea, Paula Svera, Gianina Adela Gabor, George Emanuel Dejeu, Octavian Adrian Maghiar, Anca Salomea Bodea, Annamaria Pallag and Eleonora Marian	Liposomes with Caffeic Acid: Morphological and Structural Characterisation, Their Properties and Stability in Time	PROCESSES, Volume 9, Issue 6, Article Number 912	2227-9717	2.847
41	2021	Oct	Loredana G. Marcu, David C. Marcu	Current Omics Trends in Personalised Head and Neck Cancer Chemoradiotherapy	Journal Of Personalized Medicine	2075-4426	4.945
42	2021	Jan	Loredana G. Marcu, David Marcu	Points of view on artificial intelligence in medical imaging-one good, one bad, one fuzzy	Health and Technology	2190-7188	0.37
43	2021	May	David C. Marcu, Cristian Grava	The impact of activation functions on training and performance of a deep neural network	16th International Conference on Engineering of Modern Electric Systems, EMES 2021 - Proceedings	978-166544995-3	0.25
44	2021	Jun	G.C. Creț, L. Țepelea, I. Buciu, I. Gavriluț, C. Grava	Using Block-Matching Methods to Help Navigating Visually Impaired People using Raspberry PI Platform	16th IEEE International Conference on Engineering of Modern Electric Systems (EMES'2021)	978-1-6654-4995-3	0.25
45	2021	Jun	A.M. Cuc, F.L. Mogoș, C. Grava, S. Curilă, T.A. Burcă	Performances Comparison between Turbo Codes and Polar Codes	16th IEEE International Conference on Engineering of Modern Electric Systems (EMES'2021)	978-1-6654-4995-3	0.25
46	2021	Jun	A.M. Grava, M. Marian, C. Grava	Bond-graph modelling of sub-models using LC oscillators	16th IEEE International Conference on Engineering of Modern Electric Systems (EMES'2021)	978-1-6654-4995-3	0.25
47	2021	Jun	A.M. Grava, M. Marian, C. Grava	Bond-graph modelling of sub-models using sensors	16th IEEE International Conference on Engineering of Modern Electric Systems (EMES'2021)	978-1-6654-4995-3	0.25
48	2021	Jun	I. Gavriluț, G.C. Creț, C. Grava, L. Țepelea, I. Buciu	Exploration Algorithm for a Mobile Robot. An Experiment	16th IEEE International Conference on Engineering of Modern Electric Systems (EMES'2021)	978-1-6654-4995-3	0.25
49	2021	Jun	Claudiu Raul Costea, Helga Silaghi, Zoltan Kovendi, Gabriela Tonț	Procedural and Software Development of a Jury-based Stability Analysis Method for Control Systems	16th IEEE International Conference on Engineering of Modern Electric Systems (EMES'2021)	978-1-6654-4995-3	0.25
50	2021	Jun	Eduard Mihok, Eveline Ecsedi, Helga Silaghi, Laura Coroiu, Eugen Gergely	The Development of an Automated Testing Machine for Test Fixtures	16th IEEE International Conference on Engineering of Modern Electric Systems (EMES'2021)	978-1-6654-4995-3	0.25
51	2021	Jun	Adrian Codoban, Abrudean Mihail Ioan, Helga Silaghi,	Monitoring System of Production Installation for the Separation Of Isotope	16th IEEE International Conference on Engineering of Modern Electric Systems (EMES'2021)	978-1-6654-4995-3	0.25

			Sanda Dale, Vlad Mureșan, Marius Fișcă, Mihaela-Ligia Ungureșan, Roxana Cordoș	18O			
52	2021	Jun	Adrian Codoban, Abrudean Mihail Ioan, Roxana Cordoș, Vlad Mureșan, Marius Fișcă, Mihaela-Ligia Ungureșan, Helga Silaghi, Viorica Spoiala	Preliminaries Regarding the Monitoring of the Parameters of a Separation Cascade for Isotope 18O	16th IEEE International Conference on Engineering of Modern Electric Systems (EMES'2021)	978-1-6654-4995-3	0.25
53	2021	Jun	Diana Sas, Rodica Varban, Helga Silaghi	Analog modeling of agricultural soil included in a simple temperature control scheme	16th IEEE International Conference on Engineering of Modern Electric Systems (EMES'2021)	978-1-6654-4995-3	0.25
54	2020	Oct	Popa, S., Reiz, R., Dale, S	Wi-Fi Radiofrequency Radiations Level Measurements in Different Work Environment Locations	Journal of Electrical and Electronics Engineering 2021 Vol. 14 No.2, pp. 43–46	2067-2128	0.5
55	2020	Oct	Drăghiciu, N., Reiz, R	Improvements obtained in PCB testing	Journal of Electrical and Electronics Engineering 2021 Vol. 14 No.2, pp. 43–46	2067-2128	0.5
56	2020	Jun	Gordan, CE; Gordan, IM; Soproni, VD; Molnar, CO; Arion, MN; Hathazi, FI	Reduction of the Humidity Contained in the Harvest Cereals by the Means of in High Frequency Electromagnetic Field Processing	INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS, Vol 11, Issue 7, Pag: 40-45	2156-5570	1.092
57	2020	June	Pop A., Blaga F.S., Ursu M.P., Bungău C., Hule V	Modeling a Manufacturing System by Using XML - Petri Nets Technology,	IOP Conference Series: Materials Science and Engineering, Volume 916, ModTech International Conference - Modern Technologies in Industrial Engineering VIII 24-27 June 2020, Constanta, Romania	17578981	0.53
58	2020	June	Pop A., Blaga F.S., Ursu M.P., Vesselenyi T., Bungău C	Usage of Coloured Petri Nets for the Performance Evaluation of the Metallographic Samples Analysis Automated Systems	IOP Conference Series: Materials Science and Engineering, Volume 916, ModTech International Conference - Modern Technologies in Industrial Engineering VIII 24-27 June 2020, Constanta, Romania	17578981	0.53
59	2019	Oct	Trip N.D., Burca A., Sabau D., Gordan C.E., Morgos L.	Smart Monitoring System for Reflow Soldering Equipment	2019 IEEE 25th International Symposium for Design and Technology in Electronic Packaging, SIITME 2019, Cluj-Napoca, 2019, WOS:000564733700069,	978-1-7281-3330-0	0.25
60	2019	June	I. Gavriluț, L. Tepelea, A. Gacsádi	Indoor localization method based on the sound signal - An Experimental Setup	15th Int. Conf. on Engineering of Modern Electric Systems (EMES), Oradea, Romania, 13-14 June 2019, pp. 201-204	978-1-7281-0774-5	0.25
61	2019	June	Șchiop, A	Control Methods for Five lever	IEEE Conference: 15th International Conference on Engineering of Modern Electric Systems (EMES) Location: ORADEA, ROMANIA Date: JUN 13-14, 2019, Pages: 217-220, Published: 2019, WOS:000503434500055	978-1-7281-0774-5	0.25
62	2019	June	A.M. Grava, C. Grava	Bond-graph modeling of an electric thermogenerator	Proceedings of the 15th IEEE International Conference on Engineering of Modern Electric Systems (EMES'2019), pp. 213-216, ISBN 978-1-7281-0773-8, DOI: 10.1109/EMES.2019.8795188, Oradea, Romania, 13-14 June 2019,	978-1-7281-0774-5	0.25
63	2019	Dec	Florina Miere (Groza), Alin Cristian Teusdea, Vasile Laslo, Luminita Fritea, Liviu Moldovan,	Natural Polymeric Beads for Encapsulation of Stellaria media Extract with Antioxidant Properties	Materiale Plastice, 56, Nr. 4, ISSN 0025-5289, factor de impact	0025-5289	1.517

			Traian Costea, Diana Uivarosan, Simona Ioana Vicas, Anamaria Pallag				
64	2020	Jan	Luminita Fritea, Paula Melania Pasca, Laurian Vlase, Ana-Maria Gheldiu, Liviu Moldovan, Florin Banica, Luciana Dobjanschi, Simona Cavalu	Electrochemical Methods for Evaluation of Antioxidant Properties of Propolis Extract Incorporated in Chitosan Nanoparticles	Materiale Plastice, 57, Nr. 4, ISSN 0025-5289	0025-5289	1.517
65	2019	Jun	Novac O.C., Mureşan I.I., Novac M.C., Ursu M.P., Oproescu M., Dindelegan C.M	Development of a Weather Mobile Application in Android Studio Operating System	11th INTERNATIONAL CONFERENCE on ELECTRONICS, COMPUTERS and ARTIFICIAL INTELLIGENCE ECAI 2019, Piteşti, June 27–29, 2019, WOS:000569985400080	978-1- 7281-1624- 2	0.25
66	2019	Jun	Ursu M.P., Novac O.C., Oproescu M., Bujdosó G., Hathazi F.I	Comparative Study of the Analog and Digital Operation for Miniature Railway Systems	The 15th International Conference on Engineering of Modern Electric Systems ICEMES 2019 Oradea, pp. 137-140, ISBN:978-1-7281-0773-8, WOS:000503434500035, DOI: 10.1109/EMES.2019.8795182	978-1- 7281-0774- 5	0.25
67	2019	Jun	Naghiu, Iulia; Gal, Teofil Ovidiu; Sebesan, Radu- Dimitrie; Gabor, Gianina; Copil, Laurentiu; Vancea, Cristian	EXTRACTING ESSENTIAL OILS FROM THE ROSEHIPS IN THE MICROWAVE FIELD	15th International Conference on Engineering of Modern Electric Systems (EMES) Location: Oradea, ROMANIA Date: JUN 13-14, 2019, Pages: 101-104 Published: 2019, Accession Number: WOS:000503434500026, ISBN:978-1- 7281-0773-8	978-1- 7281-0774- 5	0.25
68	2020	May	Curilă S., Curilă M., Curilă (Popescu) D., Grava C	A mathematical model and an experimental setup for the rendering of the sky scene in a foggy day	Rev. Roum. Sci. Techn. – Électrotechn. et Énerg., vol. 65, issue 3-4, 2020, ISSN 0035-4066, pp.265-270, factor de impact 0,76	0035-4066	0.76
69	2020	Nov	Tibor Gergo Fodor, Helga Silaghi, Alexandru Marius Silaghi	Automotive Lead-Acid Battery Supplied DC- DC Power Converter with Variable Output Voltage	14th International Symposium on Electronics and Telecommunications ISETC 2020 TIMISOARA	2475-7861	0.25
70	2019	Jun	Sferle Raluca Marina; Moisi Elisa Valentina	Automatic Number Plate Recognition for a Smart Service Auto	International Conference on Engineering of Modern Electric Systems (EMES), 2019, pp. 57-60	978-1- 7281-0774- 5	0.25
71	2019	Jun	Madar Damaris Emilia; Moisi Elisa Valentina	Semantic Similarities for Projects and Freelancers Profile Matching	International Conference on Engineering of Modern Electric Systems (EMES), 2019, pp. 129-132	978-1- 7281-0774- 5	0.25
72	2019	Jun	Costea Naomi Ester; Moisi Elisa Valentina	Fingerprint Authentication for Budget Application	International Conference on Engineering of Modern Electric Systems (EMES), 2019, pp. 105-108	978-1- 7281-0774- 5	0.25
73	2020	Oct	D. Zmaranda, L.L. Pop-Fele, C. Gyorodi, R. Gyorodi, G. Pecherle	Performance Comparison of CRUD Methods using NET Object Relational Mappers: A Case Study	INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS, ISSN: 2158- 107X, eISSN: 2156-5570, Volume: 11, Issue: 1, Pages: 55-65, 2020, WOS:000518467600007	2156-5570	1.32
74	2020	Nov	C.A. Gyorodi, D. V. Dumse-Burescu, D.R. Zmaranda, R.S. Gyorodi, G.A. Gabor, G.D. Pecherle	Performance Analysis of NoSQL and Relational Databases with CouchDB and MySQL for Application's Data Storage	APPLIED SCIENCES-BASEL, eISSN: 2076-3417, Volume: 10, Issue: 23, Article Number: 8524, DOI: 10.3390/app10238524, WOS:000597744500001, 2020	2076-3417	2.474
75	2019	June	Alexandrina-Mirela Pater, Stefan Vári- Kakas, Otto Poszet, Ionel Gabriel Pinte	Segmenting Users of an Online Store Using Data Mining Techniques	2019 15th International Conference on Engineering of Modern Electric Systems (EMES), 13-14 June 2019, Oradea, Romania, pp. 205-208	978-1- 7281-0774- 5	0.25
76	2020	Nov	Helga Silaghi, Viorica Spoiala,	Automatic Control of Colonoscope	International Journal of Advanced Computer Science and Applications	2156-5570	1.32

			Alexandru Marius Silaghi, Tiberia Ilias, Cornelia Gyorodi, Claudiu Costea, Sanda Dale, Ovidiu Cristian Fratila	Movement for Modern Colonoscopy	(IJACSA), Volume 10, Issue 3, ISSN 2158-107X, WOS:000426979500004, pp. 16-19, 2019. Digital Object Identifier: 10.14569/IJACSA.2019.0100303		
77	2019	June	Iulia Clitan ; Zoltan Kovendi ; Vlad Muresan ; Mihail Abrudean ; Eugen Ioan Gergely	Discrete Modeling and Control of an Industrial Robot used in a Metallurgical Process	2019 15th International Conference on Engineering of Modern Electric Systems (EMES), 13-14 June 2019, Oradea, Romania, pp. 77-80	978-1-7281-0774-5	0.25
78	2019	June	Marcela Man Dietrich ; Marcel Sabin Popa ; Diana M. Sas ; Zoltan Kovendi, Eugen Ioan Gergely	Implementation of the Quality management system in the Matlab software	2019 15th International Conference on Engineering of Modern Electric Systems (EMES), 13-14 June 2019, Oradea, Romania, pp. 5-8	978-1-7281-0774-5	0.25
79	2020	Nov	Ioan Buciu	Color quotient based mask detection	2020 International Symposium on Electronics and Telecommunications (ISETC)	2475-7861	0.25
80	2019	Jan	Anca-Raluca Breje, Robert Györödi, Cornelia Györödi, Doina Zmaranda, George Pecherle	Comparative Study of Data Sending Methods for XML and JSON Models	International Journal of Advanced Computer Science and Applications, United Kingdom, Volume 9 Issue 12, 2018, pag. 198-204, ISSN : 2158-107X(Print), ISSN : 2156-5570 (Online), Digital Object Identifier (DOI) : 10.14569/IJACSA.2018.091229 ,	2156-5570	1.324
81	2019	Sep	Robert Györödi; Marius Iulian Pavel; Cornelia Györödi; Doina Zmaranda	Performance of OnPrem vs. Azure SQL Server. A case study	IEEE Access Journal, USA, Volume: 7, Issue:1, 2019, pag. 15894-15902, Digital Object Identifier (DOI) : 10.1109/ACCESS.2019.2893333, Accession Number: WOS:000458870700001	2169-3536	4.098
82	2019	Nov	Traian Mihai POPESCU, Alina Mădălina POPESCU, Gabriela PROȘTEAN and Daniela Elena POPESCU	Evaluation of Legislations from the Perspective of Organizational Understanding to Managing Cybersecurity Risk	33rd International-Business-Information-Management-Association Conference, Granada, SPAIN, EDUCATION EXCELLENCE AND INNOVATION MANAGEMENT THROUGH VISION 2020, 2019/4/11, pp.4677-4689	978-0-9998551-2-6	0.25
83	2019	Nov	Gabriela PROȘTEAN and Daniela Elena POPESCU Traian Mihai POPESCU, Alina Mădălina POPESCU	Cybersecurity threat rating method based on potential cyber harm	34th IBIMA Conference: 13-14 November 2019, Madrid, Spain, 2019/11/13	978-0-9998551-3-3	0.25
84	2019	June	Laura Coroiu, Gavril Zaica, Liliana Marilena Matica	Numerical Images Analyze for Quality Control	International Conference on Engineering of Modern Electric Systems (EMES), 13-14 June 2019, Oradea, Romania, pp. 177-180	978-1-7281-0773-80	0.25
85	2019	June	Naghui, Iulia; Gal, Teofil Ovidiu; Sebesan, Radu-Dimitrie; Gabor, Gianina; Copil, Laurentiu; Vancea, Cristian	EXTRACTING ESSENTIAL OILS FROM THE ROSEHIPS IN THE MICROWAVE FIELD	15th International Conference on Engineering of Modern Electric Systems (EMES) Location: Oradea, ROMANIA	978-1-7281-0773-8	0.25
86	2019	Mai	Draghiciu Nicolae	PCB automated test system using a switch matrix	Journal of Electrical and Electronics Engineering, vol.1, pag 11-14	1844-6035	0.25
87	2019	June	C. O. Stasac, D.A. Hoble, T. Costea, L. Moldovan	Analysis of Contact Resistance Variation in Electric Devices Under Electric Charge	15th International Conference on Engineering of Modern Electric Systems (EMES), Oradea	978-1-7281-0773-8	0.25
88	2019	June	V. D. Soproni, C. O. Molnar, F. I.	Experimental Research on Microwave Field and Hot Air Drying of Barley Seeds, 15th	15th International Conference on Engineering of Modern Electric	978-1-7281-0773-	0.25

			Hathazi, M. N. Arion, M. Codrean, L. Moldovan	International Conference on Engineering of Modern Electric Systems (EMES), Pages: 113-116, Oradea,	Systems (EMES), Pages: 113-116, Oradea	8	
89	2019	Mar	C. Ratiu, M. Brooks, T. Costea, L. Moldovan, S. Cavalu	PRGF-Modified Collagen Membranes for Guided Bone Regeneration: Spectroscopic, Microscopic and Nano-Mechanical Investigations	APPLIED SCIENCES-BASEL, Volume: 9 Issue: 5, Article Number: 1035, DOI: 10.3390/app9051035,	2076-3417	2,287
90	2019	Sep	S. Vicas, S. Cavalu, V. Laslo, M. Toca, T.O. Costea, L. Moldovan	Growth, Photosynthetic Pigments, Phenolic, Glucosinolates Content and Antioxidant Capacity of Broccoli Sprouts in Response to Nanoselenium , Particles Supply	NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA, Volume 47, Issue 3, Pages 821-828,	1842-4309	0.914
91	2019	June	Țepelea Laviniu, Buciu Ioan, Grava Cristian, Gavriluț Ioan, Gacsádi Alexandru	A Vision Module for Visually Impaired People by Using Raspberry PI Platform	15th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, Romania, 13-14 June 2019, pp. 209-212,	978-1-7281-0773-8	0.25
92	2019	June	Tonț Gabriela, Tonț, D. G., Costea, C. R., Kovendi, Z.	Multi-Stage Fuzzy Approach of Stochastic Events Impact on Dependable Systems	15th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, June, 2019	978-1-7281-0773-8	0.25
93	2019	June	Sorin Popa, Daniel Trip	Measurements with a Quad Band Field Monitor System for UMTS/LTE/WLAN Communications	15TH INTERNATIONAL CONFERENCE ON ENGINEERING OF MODERN ELECTRIC SYSTEMS ICEMES 2019	978-1-7281-0773-8	0.25
94	2019	June	Șchiop, A.	Control Methods for Five lever	IEEE Conference: 15th International Conference on Engineering of Modern Electric Systems (EMES) Location: ORADEA, ROMANIA Date: JUN 13-14, 2019, Pages: 217-220, Published: 2019, WOS:000503434500055	978-1-7281-0773-8	0.25
95	2019	June	M.I. Abrudean, M.L. Unguresan, Helga Silaghi, V. Muresan, A. Codoban	Experimental Identification of the 13C Isotope Separation Process by Cryogenic Distillation on a Two-Column Separation Cascade	International Conference on Engineering of Modern Electric Systems (EMES), 2019, June 2019, WOS:000503434500040, Pages 157-160	978-1-7281-0773-8	0.25
96	2019	June	E. Ecseđi, Helga Silaghi, E. Mihok, V. Spoiala	The Development of an Autonomous Maze Robot	International Conference on Engineering of Modern Electric Systems (EMES), 2019, June 2019, WOS:000503434500043, Pages 169-172	978-1-7281-0773-8	0.25
97	2019	June	A. Codoban, Helga Silaghi, M. Abrudean, M. Gamcova	Inspection Robot for Tightly and Hard to Reach Spaces	International Conference on Engineering of Modern Electric Systems (EMES), 2019, June 2019, WOS:000503434500039, Pages 153-156	ISBN: 978-1-7281-0773-8	0.25
98	2019	April	Helga Silaghi, Viorica Spoiala, Alexandru Marius Silaghi, Tiberia Ilias, Gyrodi Cornelia, Claudiu Costea, Sanda Dale, Ovidiu Cristian Fratila	Automatic Control of Colonoscope Movement for Modern Colonoscopy	International Journal of Advanced Computer Science and Applications IJACSA, Volume 10, Issue 3WOS:000464695700004, Pages: 16-19	2158-107X	1.324
99	2019	Mai	Alexandrina-Mirela Pater, Stefan Vári-Kakas, Otto Poszet, Ionel Gabriel Pinte	Segmenting Users of an Online Store Using Data Mining Techniques	15th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, IEEE Conference Proceedings, 2019/6/13, Doi: 10.1109/EMES.2019.8795200, pp. 205-208	978-1-7281-0773-8	0.25
100	2019	Sept	A.M. Tokes, O. Rusz, C. Pollner-Szundi, L. Madaras, A. Kovács, B. Molnár, S. Vári-Kakas, J. Kulka	Differentially expressed immune related genes in metastatic vs. non-metastatic LUMA, LUMB1 and TNBC primary breast carcinoma cases	Virchows Archiv, 2019 September 01, Volume 475 (Supplement 1), Springer Berlin Heidelberg, Doi: 10.1007/s00428-019-02631-8, pp. S62-S62	1432-2307	2.868
101	2019	June	Claudiu Raul Costea, Helga Silaghi, Zoltan Kovendi, Gabriela	Real Time Determination of Instantaneous Power Flow from Three-phase Electrical Circuits in Nonsymmetric Situations by Using ACE2000	Proceedings of 2019 15th International Conference on Engineering of Modern Electric Systems, ICEMES 2019, Oradea, Romania, pp. 49-52, 2019	978-1-7281-0774-5	0.25

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102	2019	July	I. Buciu, C. Grava, A. Gacsadi	Facial Biometric Template Post-processing by Factorization	The 14-th International Symposium on Signals, Circuits and Systems (ISSCS), July 11 – 12, 2019	978-1-7281-3896-1	0.25
103	2019	Aug	I. Buciu, C. Grava, L. Telepea, A. Gacsadi	Mammogram Classification with Local Phase Quantization Features	The 6th International Workshop on Cellular Nanoscale Networks and Their Applications (CNNA 2018) -28 – 30 August, 2018	978-3-8007-4766-5	0.25
104	2021	Oct	Fritea, L.; Banica, F.; Costea, T.; Moldovan, L.; Dobjanschi, L.; Muresan, M.; Cavalu, S.	Metal Nanoparticles and Carbon-Based Nanomaterials for Improved Performances of Electrochemical (Bio)Sensors with Biomedical Applications	Materials 2021, 14 (21), 6319	1996-1944	3.623
105	2021	Apr	Pavel Otrisal, Bungau, C., Vladimir Obsel, Zdeněk Melicharik, Gabriela Tont	Selected Respiratory Protective Devices: Respirators and Significance of Some Markings, Special Issue COVID-19: Defense Strategies and Technologies	Sustainability 2021, 13(9),88	2071-1050	3.251
106	2021	Jun	Șandor, A., Tonț, G.	Android social applications permission overview from a privacy perspective	16th International Conference on Engineering of Modern Electric Systems (EMES), Virtual Conference	978-1-6654-4995-3	0.25
107	2021	Jun	Doroghi Capitan M., Sas D., Tonț G., Varban R., Coroiu L., Spoiala D.,	Project Management in Steel Manufacturing	16th International Conference on Engineering of Modern Electric Systems (EMES), Virtual Conference	978-1-6654-4995-3	0.25

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		Data publicării		Autor(i)	Titlul articolului	Revista ISI	ISSN
		An	Lună				
1	Cornelia Györödi, Robert Györödi, George Pecherle, Andrada Olah, " A comparative study: MongoDB vs. MySQL", 13th International Conference on Engineering of Modern Electric Systems (EMES), IEEE, Oradea, Romania, 11-12 June 2015, pag. 1-6, ISBN 978-1-4799-7650-8, WOS:000363815100046.	2019		POLAT, H. and OYUCU, S.,	An Approach to Non-Relational Database-Based in the Storing of Heterogeneous Medical IoT Data.	JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, 22(4).	2147-9429
2	IBIDEM	2019		Martín-Lopo, M.M., Boal, J. and Sánchez-Miralles, Á.	Transitioning from a meta-simulator to electrical applications: An architecture.	Simulation Modelling Practice and Theory, 94, pp.177-198.	1878-1462
3	IBIDEM	2019		Celesti, A., Fazio, M. and Villari, M.	A study on join operations in MongoDB preserving collections data models for future internet applications.	Future Internet, 11(4), p.83.	1999-5903
4	IBIDEM	2019		Nguyen, T.D. and Lee, S.W.,	DSM: A Low-Overhead, High-Performance, Dynamic Stream Mapping Approach for MongoDB.	Journal of Information Science & Engineering, 35(2).	1016-2364
5	IBIDEM	2019		Kudo, T.	Fog computing with original data reference function	International Journal of Grid and Utility Computing, 10(5), pp.574-582.	1741-8488
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7	IBIDEM	2020		Fernandez-	A fuzzy mining approach	IEEE Transactions on Fuzzy	1941-

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10	IBIDEM	2021		Lvping, S.	Blockchain Technology for Management of Intangible Cultural Heritage.	Scientific programming, 2021, pp.1-7.	1875-919X
11	IBIDEM	2021		Moon, J.	Plugin Framework-Based Neuro-Symbolic Grounded Task Planning for Multi-Agent System.	Sensors, 21(23), p.7896	1424-8220
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19	IBIDEM	2023		Hussain, M., Zhang, T. and Seema, M.	Adoption of big data analytics for energy pipeline condition assessment.	International Journal of Pressure Vessels and Piping, p.105061.	1879-3541
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62	IBIDEM	2021	Feb	Anandaraj, APS and Indumathi, G	Improved cuckoo search load distribution (ICS-LD) and attack detection in	CONCURRENCY AND COMPUTATION-PRACTICE	1532-0634

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74	IBIDEM	2023	Apr	Bungau, CC; Bungau, C; (...); Prada, MF	<i>SOLUTIONS FOR AN ECOLOGICAL AND HEALTHY RETROFITTING OF BUILDINGS ON THE CAMPUS OF THE UNIVERSITY OF ORADEA, ROMANIA, BUILT STARTING FROM 1911 TO 1913</i>	SUSTAINABILITY, 15 (8)	2071-1050
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84	IBIDEM	2023	Oct	Remzan, N; El Hachimi, Y; (...); Farchi, A	Ensemble learning based-features extraction for brain mr images classification with machine learning classifiers	MULTIMEDIA TOOLS AND APPLICATIONS	1573-7721
85	IBIDEM	2023	Oct	Singh, YP and Lobiyal, DK	A COMPARATIVE ANALYSIS AND CLASSIFICATION OF CANCEROUS BRAIN TUMORS DETECTION BASED ON CLASSICAL MACHINE LEARNING AND DEEP TRANSFER LEARNING MODELS	MULTIMEDIA TOOLS AND APPLICATIONS	1573-7721
86	IBIDEM	2023	Sep	Wu, YZ; Yang, YJ; (...); Wang, WM	DilatedFormer: dilated granularity transformer network for placental maturity grading in ultrasound	FRONTIERS IN PHYSICS 11	2296-424X
87	IBIDEM	2023	Sep	Tabatabaei, S; Rezaee, K and Zhu, M	Attention transformer mechanism and fusion-based deep learning architecture for MRI brain tumor classification system	BIOMEDICAL SIGNAL PROCESSING AND CONTROL 86	1746-8108
88	IBIDEM	2023		Haq, MA; Khan, I; (...); Ghamry, NA	DCNNBT: A NOVEL DEEP CONVOLUTION NEURAL NETWORK-BASED BRAIN TUMOR CLASSIFICATION MODEL	FRACTALS-COMPLEX GEOMETRY PATTERNS AND SCALING IN NATURE AND SOCIETY 31 (06)	1793-6543
89	IBIDEM	2023	Oct	Suganthy, M; Ashok, S; (...); Subha, TD	<u>RECALLING-ENHANCED RECURRENT NEURAL NETWORK OPTIMIZED WITH WOOD PECKER MATING ALGORITHM FOR BRAIN TUMOR CLASSIFICATION</u>	CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE	1532-0634
90	IBIDEM	2013	Apr	Ali, NFB; Mokri, SS; (...); Mustaza, SM	Polarimetric SAR Characterization of Mangrove Forest Environment in the United Arab Emirates (UAE)	INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS 14 (4) , pp.723-731	21565570

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93	IBIDEM	2023	Apr	Luan, HX; Xu, H; (...); Zhang, Q	Coal and gangue classification in actual environment of mines based on deep learning	MEASUREMENT	1873-412X
94	IBIDEM	2023	May	Shahin, AI; Aly, S and Aly, W	A novel multi-class brain tumor classification method based on unsupervised PCANet features	NEURAL COMPUTING & APPLICATIONS, 35 (15) , pp.11043-11059	1433-3058
95	IBIDEM	2023	Aug	Asif, S; Zhao, M; (...); Zhu, YS	An enhanced deep learning method for multi-class brain tumor classification using deep transfer learning	MULTIMEDIA TOOLS AND APPLICATIONS 82 (20) , pp.31709-31736	1573-7721
96	IBIDEM	2023	Feb	Yilmaz, VS; Akdag, M; (...); Soylu, A	Investigating the Impact of Two Major Programming Environments on the Accuracy of Deep Learning-Based Glioma Detection from MRI Images	DIAGNOSTICS	2075-4418
97	IBIDEM	2023	Mar	Lisha, LB and Sulochana, HS	HIGHLY ACCURATE BLOOD VESSEL SEGMENTATION USING TEXTURE-BASED MODIFIED K-MEANS CLUSTERING WITH DEEP LEARNING MODEL	CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE 35 (7)	1532-0634
98	IBIDEM	2023		Zaitoon, R and Syed, H	RU-Net2+: A Deep Learning Algorithm for Accurate Brain Tumor Segmentation and Survival Rate Prediction	IEEE ACCESS 11 , pp.118105-118123	2169-3536
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100	IBIDEM	2023		Farzamnia, A; Hazaveh, SH; (...); Moungh, EG	MRI Brain Tumor Detection Methods Using Contourlet Transform Based on Time Adaptive Self-Organizing Map	IEEE ACCESS 11 , pp.113480-113492	2169-3536
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102	IBIDEM	2023		Perumal, TSR; Jegatheesan, A and Jayachandran, A	Two stages cascades neural network for multi-class brain lesion classification system in MRI images	JOURNAL OF INTELLIGENT & FUZZY SYSTEMS 44 (3) , pp.4717-4732	1875-8967
103	IBIDEM	2022	Dec	Samee, NA; Ahmad, T; (...); Rizwan, A	<u>CLINICAL DECISION SUPPORT FRAMEWORK FOR SEGMENTATION AND CLASSIFICATION OF BRAIN TUMOR MRIS USING A U-NET AND DCNN CASCADED LEARNING ALGORITHM</u>	HEALTHCARE 10 (12)	2227-9032
104	IBIDEM	2022	Dec	Prashantha, SJ and Prakash, HN	FEATURE LEVEL FUSION FRAMEWORK FOR BRAIN MR IMAGE CLASSIFICATION USING SUPERVISED DEEP LEARNING AND HAND CRAFTED FEATURES	JORDANIAN JOURNAL OF COMPUTERS AND INFORMATION TECHNOLOGY 8 (4) , pp.336-344	24139351
105	IBIDEM	2022	Nov	Fatema, K; Montaha, S; (...); Jonkmann, M	A Robust Framework Combining Image Processing and Deep Learning Hybrid Model to Classify Cardiovascular Diseases Using a Limited Number of Paper-Based Complex ECG Images	BIOMEDICINES 10 (11)	2227-9059
106	IBIDEM	2023	Feb	Shahin, AI; Aly, W and Aly, S	MBTFCN: A novel modular fully convolutional network for MRI brain tumor multi-classification	EXPERT SYSTEMS WITH APPLICATIONS 212	1873-6793
107	IBIDEM	2022	Aug	Khairandish, MO; Sharma, M; (...); Jhanjhi, NZ	A Hybrid CNN-SVM Threshold Segmentation Approach for Tumor Detection and Classification of MRI Brain Images	IRBM 43 (4) , pp.290-299	1959-0318
108	IBIDEM	2023	Jan	El-Feshawy, SA; Saad, W; (...); Dessouky, M	IoT framework for brain tumor detection based on optimized modified ResNet 18 (OMRES)	JOURNAL OF SUPERCOMPUTING 79 (1) , pp.1081-1110	1573-0484
109	IBIDEM	2022	Jun	Tiwari, P; Pant, B; (...); Sharma, S	<u>CNN BASED MULTICLASS BRAIN TUMOR DETECTION USING MEDICAL IMAGING</u>	COMPUTATIONAL INTELLIGENCE AND NEUROSCIENCE	1687-5273
110	IBIDEM	2023	May	Chaithanyadas, KV and King, GRG	Brain tumour classification: a comprehensive systematic review on various constraints	COMPUTER METHODS IN BIOMECHANICS AND BIOMEDICAL ENGINEERING-IMAGING AND VISUALIZATION 11 (3) , pp.517-529	21681163
111	IBIDEM	2022	Oct	Leena, B and Jayanthi, AN	<u>AUTOMATIC BRAIN TUMOR CLASSIFICATION VIA LION PLUS DRAGONFLY ALGORITHM</u>	JOURNAL OF DIGITAL IMAGING 35 (5) , pp.1382-1408	08971889
112	IBIDEM	2022	Jul	Aurna, NF; Abu Yousuf,	A classification of MRI brain tumor based on two stage feature level	COMPUTERS IN BIOLOGY AND MEDICINE	1879-0534

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113	IBIDEM	2022	Mar	Han-Trong, T; Van, HN; (...); Dang, LV	An Efficient Method for Diagnosing Brain Tumors Based on MRI Images Using Deep Convolutional Neural Networks	APPLIED COMPUTATIONAL INTELLIGENCE AND SOFT COMPUTING	1687-9732
114	IBIDEM	2022	Mar	Veeramuthu, A; Meenakshi, S; (...); Subramaniaswamy, V	MRI Brain Tumor Image Classification Using a Combined Feature and Image-Based Classifier	FRONTIERS IN PSYCHOLOGY 13	1664-1078
115	IBIDEM	2022	Feb	Rinesh, S; Maheswari, K; (...); Waji, YA	Investigations on Brain Tumor Classification Using Hybrid Machine Learning Algorithms	JOURNAL OF HEALTHCARE ENGINEERING	2040-2309
116	IBIDEM	2022		Badjie, B and Ülker, ED	A Deep Transfer Learning Based Architecture for Brain Tumor Classification Using MR Images	INFORMATION TECHNOLOGY AND CONTROL 51 (2) , pp.332-344	2335-884X
117	IBIDEM	2022		Montaha, S; Azam, S; (...); Islam, A	TimeDistributed-CNN-LSTM: A Hybrid Approach Combining CNN and LSTM to Classify Brain Tumor on 3D MRI Scans Performing Ablation Study	IEEE ACCESS 10 , pp.60039-60059	2169-3536
118	IBIDEM	2022		Sreekanth, GR; Alrasheedi, AF; (...); Askari, SS	Extreme Learning Bat Algorithm in Brain Tumor Classification	INTELLIGENT AUTOMATION AND SOFT COMPUTING, 34 (1) , pp.249-265	2326-005X
119	IBIDEM	2021	Nov	Fayaz, M; Torokeldiev, N; (...); Gwak, J	<u>AN EFFICIENT METHODOLOGY FOR BRAIN MRI CLASSIFICATION BASED ON DWT AND CONVOLUTIONAL NEURAL NETWORK</u>	SENSORS 21 (22)	1424-8220
120	IBIDEM	2021	Sep	Abd El Kader, I; Xu, GZ; (...); Kamhi, S	Brain Tumor Detection and Classification on MR Images by a Deep Wavelet Auto-Encoder Model	DIAGNOSTICS 11 (9)	2075-4418
121	IBIDEM	2021	Aug	Henry, AGP and Jude, A	Convolutional neural-network-based classification of retinal images with different combinations of filtering techniques	OPEN COMPUTER SCIENCE 11 (1) , pp.480-490	2081-9935
122	IBIDEM	2022	Jan	Anjum, S; Hussain, L; (...); Duong, TQ	Detecting brain tumors using deep learning convolutional neural network with transfer learning approach	INTERNATIONAL JOURNAL OF IMAGING SYSTEMS AND TECHNOLOGY, 32 (1) , pp.307-323	1098-1098
123	IBIDEM	2021	Jul	Buchlak, QD; Esmaili, N; (...); Piccardi, M	Machine learning applications to neuroimaging for glioma detection and classification: An artificial intelligence augmented	JOURNAL OF CLINICAL NEUROSCIENCE 89 , pp.177-198	1532-2653

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124	IBIDEM	2021	Sep	Mastoi, QU; Memon, MS; (...); Abdu lkareem, KH	Machine learning-data mining integrated approach for premature ventricular contraction prediction	NEURAL COMPUTING & APPLICATIONS	1433-3058
125	IBIDEM	2021	Mar	Kang, J; Ullah, Z and Gwak, J	<i>MRI-BASED BRAIN TUMOR CLASSIFICATION USING ENSEMBLE OF DEEP FEATURES AND MACHINE LEARNING CLASSIFIERS</i>	SENSORS 21 (6)	1424-8220
126	IBIDEM	2021	Mar	Abd El Kader, I; Xu, GZ; (...); Ahm ad, IS	Differential Deep Convolutional Neural Network Model for Brain Tumor Classification	BRAIN SCIENCES 11 (3)	2076-3425
127	IBIDEM	2021	Feb	Ayadi, W; Elhamzi, W; (...); Atri, M	Deep CNN for Brain Tumor Classification	NEURAL PROCESSING LETTERS, 53 (1) , pp.671-700	1573-773X
128	IBIDEM			Elluri, L; Chukkapalli , SSL; (...); Jos hi, A	A BERT Based Approach to Measure Web Services Policies Compliance With GDPR	IEEE ACCESS 9 , pp.148004-148016	2169-3536
129	IBIDEM	2020	Dec	Shirazi, AZ; Fornaciari , E; (...); Gome z, GA	The Application of Deep Convolutional Neural Networks to Brain Cancer Images: A Survey	JOURNAL OF PERSONALIZED MEDICINE 10 (4)	2075-4426
130	IBIDEM	2020	Nov	Ul Haq, E; Huang, JJ; (...); Zhan, TJ	Image-based state-of-the-art techniques for the identification and classification of brain diseases: a review	MEDICAL & BIOLOGICAL ENGINEERING & COMPUTING 58 (11) , pp.2603-2620	1741-0444
131	IBIDEM	2020	Jul	Roy, SS; Rodrigues , N and Taguch i, YH	Incremental Dilations Using CNN for Brain Tumor Classification	APPLIED SCIENCES-BASEL 10 (14)	2076-3417
132	IBIDEM	2020	Jun	Jha, S; Kumar, R; (...); Priyad arshini, I	Neutrosophic approach for enhancing quality of signals	MULTIMEDIA TOOLS AND APPLICATIONS 79 (23-24) , pp.16883-16914	1573-7721
133	IBIDEM	2020	Jun	Bhatele, KR and Bhad auria, S	Brain structural disorders detection and classification approaches: a review	ARTIFICIAL INTELLIGENCE REVIEW	15737462
134	IBIDEM	2020	May	Le, T; Vo, MT; (...); Baik, SW	Multiple Electric Energy Consumption Forecasting Using a Cluster-Based Strategy for Transfer Learning in Smart Building	SENSORS 20 (9)	1424-8220
135	DEC 2010 Vancea, F ; Vancea, C; Popescu, D.; Zmaranda, D.; Gabor, G. Secure Data Retention of Call Detail Records INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL Volume: 5, Issue: 5, Pages: 961-967 ISSN 1841-9836	2020		Peng, Xi; Liu, Liang; Zhang, Lei	A Hive-Based Retrieval Optimization Scheme for Long-Term Storage of Massive Call Detail Records	IEEE ACCESS Volume 8, Pages: 431-444	2169-3536

136	IBIDEM	2022	APR	Ferreira, G.; Alves, A.; Veloso, M.; Bento, C. Published: 2022, Document Type: Article, eISSN	<u>IDENTIFICATION AND CLASSIFICATION OF ROUTINE LOCATIONS USING ANONYMIZED MOBILE COMMUNICATION DATA.</u>	ISPRS International Journal of Geo-Information Volume 11, Issue 4, Article Number 228	2220- 9964
137	NOV 2009 IRIS RECOGNITION WITH PHASE - ONLY CORRELATION Teusdea, Alin Cristian, Gabor, Gianina ANNALS OF DAAAM FOR 2009 & PROCEEDINGS OF THE 20TH INTERNATIONAL DAAAM SYMPOSIUM Volume: 20, Pages: 189-190 ISSN 1726-9679	2020	APR	David Pedroza, Angel; De la Rosa, Jose I.; Rosas, Rogelio; Becerra, Aldonso; Villa, Jesus; Moreno, Gamaliel; Gonzalez, Efren; Alaniz, Daniel	<u>ACOUSTIC INDIVIDUAL IDENTIFICATION IN BIRDS BASED ON THE BAND- LIMITED PHASE-ONLY CORRELATION FUNCTION</u>	APPLIED SCIENCES-BASEL Volume: 10, Issue: 7, Article Number: 2382	2076- 3417
138	IBIDEM	2019		Pedroza Ramirez, Angel David; De La Rosa Vargas, Jose Ismael; Villa Hernandez, Jose de Jesus; et al.	<u>LIMITED-DATA AUTOMATIC SPEAKER VERIFICATION ALGORITHM USING BAND- LIMITED PHASE-ONLY CORRELATION FUNCTION</u>	TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES Volume: 27 Issue: 4 Pages: 3150-3164	1300- 0632
139	JUN 2021 Tripon, TD; Gabor, GA; Moisi, EV Angular and Svelte Frameworks: a Comparative Analysis; 16TH INTERNATIONAL CONFERENCE ON ENGINEERING OF MODERN ELECTRIC SYSTEMS Page 207-210 ISBN 978-1-6654-4995-3	2022	DEC	Fernandes, RA; Gomes, RCS; Dias, O; Carvalho, C; Torne, IG; Oliveira, JP; Junior, CTC;	A Retrofit Strategy for Real-Time Monitoring of Building Electrical Circuits Based on the SmartLVGrid Metamodel	ENERGIES Volume 15, Issue 23 Article Number 9234	1996- 1073
140	IBIDEM	2022	DEC	Diniz, RNV; Figueiredo, CCL; Russo, GD; Bahense, MRG; Arbex, MVL ; dos Santos, LM; da Rocha, RF; Bezerra, RR; Giuntini, FT;	<u>EVALUATING THE PERFORMANCE OF WEB RENDERING TECHNOLOGIES BASED ON JAVASCRIPT: ANGULAR, REACT, AND VUE. By:</u>	2022 XLVIII LATIN AMERICAN COMPUTER CONFERENCE (CLEI 2022) <i>Proceedings Paper</i>	ISBN 978-1- 6654- 7671-3
141	MAR 2011 Zmaranda, D.; Gabor, G.; Popescu, D.E.; Vancea, C.; Vancea, F. Using Fixed Priority Pre-emptive Scheduling in Real-Time Systems INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL Volume: 6 Issue: 1 Pages: 187-195 ISSN 1841-9836	2023	APR	Singh Surendra	<u>A SYSTEMATIC REVIEW ON SECURITY AWARE REAL-TIME TASK SCHEDULING</u>	Sustainable Computing- Informatics & Systems Volume 38 <i>Article Number 100872</i>	2210- 5379
142	JUN 2021 Ioana Lavinia Dejeu, Laura Gratiela Vicaș, Tunde Jurca, Alin Cristian Teușdea, Maria Eugenia Mureșan, Luminița Fritea, Paula Svera, Gianina Adela Gabor, George Emanuel Dejeu,	2023	AUG	Ghodke, J.; Economou, SI.; Weaver, E.; Lamprou, D.; Doran, O.;	<u>THE MANUFACTURING AND CHARACTERISATION OF EUGENOL-ENCLOSED LIPOSOMES PRODUCED BY</u>	Journal FOODS Volume12, Issue15 <i>Article Number 2940</i>	2304- 8158

	Octavian Adrian Maghiar, Anca Salomea Bodea, Annamaria Pallag and Eleonora Marian Liposomes with Caffeic Acid: Morphological and Structural Characterisation, their Properties and Stability in Time PROCESSES, Volume:9, Issue: 6, Article Number 912 e-ISSN 2227- 9717			Stratakos, AC.;	<u>MICROFLUIDIC METHOD</u>		
143	IBIDEM	2022	FEB	Dejeu, IL ; Vicas, LG; Vlaia, LL; Jurca, T; Muresan, ME; Pallag, A; Coneac, GH; Olariu, IV; Mut, AM; Bodea, AS; Dejeu, GE; Maghiar, OA; Marian, E.	Study for Evaluation of Hydrogels after the Incorporation of Liposomes Embedded with Caffeic Acid	PHARMACEUTICALS Volume 15, Issue 2, Article Number 175	1424-8247
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145	IBIDEM	2022	OCT	Andrade, S; Loureiro, JA; Pereira, MC;	Transferrin-Functionalized Liposomes for the Delivery of Gallic Acid: A Therapeutic Approach for Alzheimer's Disease	PARMACEUTICS Volume 14, Issue 10, Article Number 2163	1999-4923
146	IBIDEM	2021	NOV	Wang TF, Huang D, Wang X, Chang DJ, Liu HL, Zhong C, Wu ZI	Microbubble-foam fractionation enabled long-term caffeic acid stability in the separation process: Self-assembly WSP as collector	JOURNAL OF MOLECULAR LIQUIDS Volume: 342, Article Number: 117467	0167-7322
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148	IBIDEM	2023		Blanco, D.F.; Le Mouel, F.; Lin, T.S.; Escudie, M.P.	A Comprehensive Survey on Software as a Service (SaaS) Transformation for the Automotive Systems	IEEE ACCESS Volume 1, Page 73688-73753	2169-3536
149	IBIDEM	2023	FEB	Wen, YF ; Hsu, CM;	A performance evaluation of modular functions and state databases for Hyperledger Fabric blockchain systems	JOURNAL OF SUPERCOMPUTING Volume 79, Issue 3, Page: 2654-2690	0920-8542
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151	IBIDEM	2022	May	Lajam, Omar; Mohammed, Salahadin	Revisiting Polyglot Persistence: From Principles to Practice	International Journal of Advanced Computer Science and Applications Volume 13, Issue 5, Pages 872 - 882	2158- 107X
152	IBIDEM	2021	Aug	Gyorodi, Cornelia A.; Dumse- Burescu, Diana, V; Gyorodi, Robert S.; Zmaranda, Doina R.; Bandici, Livia; Popescu, Daniela E.;	Performance Impact of Optimization Methods on MySQL Document-Based and Relational Databases	APPLIED SCIENCES-BASEL Volume 11, Issue 15, Article Number 6794	2076- 3417
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155	2023/oct/ Grava, Adriana-Marcela; Marian, Melinda; Grava, Cristian; Curila, Sorin; Trip, Nistor- Daniel/Bond-graph analysis and modelling of a metal detector as an example of electro-magnetic system/ AIN SHAMS ENGINEERING JOURNAL	2023	Oct.	Abo- Mosallam, HA; Azooz, MA and Ma hdy, EA	Enhancement the crystallization and electro- magnetic properties of BaO-Al ₂ O ₃ -B ₂ O ₃ glass ceramics doped with Nd ₂ O ₃ -rare earth	SCIENTIFIC REPORTS	2045- 2322
156	D. Zmaranda, Helga Silaghi, G. Gabor, C. Vancea, Issues on Applying Knowledge-Based Techniques in Real-Time Control Sysrems, International Journal of Computers Communications & Control, ISSN 1841-9836, Vol 8, No 1 (2013): INT J COMPUT COMMUN, http://univagora.ro/jour/index.php/ijccc/ issue/view/1	2019	Dec	Skliarova, Iouliia; Sklyarov, Valery	Hardware Accelerators for Data Search	FPGA-BASED HARDWARE ACCELERATORS, Volume 566, 2019	1876- 1100
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168	IBIDEM	2021	DEC	Melo, M and Aquino, G	MULTI-LEVEL FAULT TOLERANCE APPROACH FOR IOT SYSTEMS	LECTURE NOTES IN ARTIFICIAL INTELLIGENCE 12957 , pp.421-436	0302-9743
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179	IBIDEM	2021	Jul	<u>Sahu, D.</u> <u>Pradhan, B.</u> <u>Khasnobish,</u> <u>A., Verma, S.</u> <u>Kim, D., Pal,</u> <u>K.</u>	The Internet of Things in Geriatric Healthcare	JOURNAL OF HEALTHCARE ENGINEERING, vol. 2021. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8313366/	2040- 2309
180	IBIDEM	2022	Sept	<u>Dami S.</u>	Internet of things-based health monitoring system for early detection of cardiovascular events during COVID-19 pandemic	World Journal of Clinical Cases 10(26):9207-9218, DOI: 10.12998/wjcc.v10.i26.9207, 2022 https://www.semanticscholar.org/paper/Internet-of-things-based-health-monitoring-system-Dami/f4f9f792f2109c705d9e03a7fb8746e9a002b438	1742- 1241
181	IBIDEM	2020	Mar	<u>Forbes, G.</u> <u>Massie, S.</u> <u>Craw, S.</u>	Fall prediction using behavioural modelling from sensor data in smart homes,	ARTIFICIAL INTELLIGENCE REVIEW, SPRINGER, ARTIFICIAL INTELLIGENCE REVIEW, Volume 53, Issue 2, Page 1071-1091, 2020. https://link.springer.com/article/10.1007/s10462-019-09687-7	1573- 7462
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189	IBIDEM	2019	Nov	Nigmatullin, Raoul R.; Agarwal, Praveen	Direct evaluation of the desired correlations: Verification on real data	PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS Volume: 534 Article Number: 121558 Published: NOV 15 2019	1873-2119
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193	IBIDEM	2022	Nov	<u>Kitsiou, A;</u> <u>Despotidi, C;</u> (...); <u>Gritzalis, S</u>	The Role of Users' Demographic and Social Attributes for Accepting Biometric Systems: A Greek Case Study	FUTURE INTERNET, 14 (11)	19995903
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195	IBIDEM	2022	Sept	<u>Ahmed, K</u> and <u>Saini, M</u>	Fog cloud-assisted IoT-based human identification in construction sites from gait sequences	MULTIMEDIA TOOLS AND APPLICATIONS	1573-7721
196	IBIDEM	2022	May	<u>Ahmed, K</u> and <u>Saini, M</u>	FCML-gait: fog computing and machine learning inspired human identity and gender recognition using gait sequences	SIGNAL IMAGE AND VIDEO PROCESSING	1863-1711
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198	IBIDEM	2021	Dec	<u>Ali, G;</u> <u>Dida, MA</u> and <u>Sam, AE</u>	A Secure and Efficient Multi-Factor Authentication Algorithm for Mobile Money Applications	FUTURE INTERNET 13 (12)	1999-5903
199	IBIDEM	2021	Dec	<u>Shaheed, K;</u> <u>Mao, AH;</u> (...); <u>Zhang, XM</u>	A Systematic Review on Physiological-Based Biometric Recognition Systems: Current and Future Trends	ARCHIVES OF COMPUTATIONAL METHODS IN ENGINEERING 28 (7) , pp.4917-4960	1886-1784
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201	IBIDEM	2020	Nov	<u>Sajadi, Shabbou;</u> <u>Fathi, Abdolhossein</u>	Genetic algorithm based local and global spectral features extraction for ear recognition	EXPERT SYSTEMS WITH APPLICATIONS Volume: 159 Article Number: 113639 Published: NOV 30 2020	1873-6793
202	IBIDEM	2019	Jun	<u>McAteer, Ian;</u> <u>Ibrahim, Ahmed;</u> <u>Zheng, Guanglou;</u> et al.	Integration of Biometrics and Steganography: A Comprehensive Review	TECHNOLOGIES Volume: 7 Issue: 2 Article Number: 34 Published: JUN 2019 (DOI: 10.3390/technologies7020034)	2227-7080
203	IBIDEM	2019	Mar	<u>Ciurea, Cristian;</u> <u>Filip, Florin</u> <u>Gheorghe</u>	Virtual Exhibitions in Cultural Institutions: Useful Applications of Informatics in a Knowledge-based Society	STUDIES IN INFORMATICS AND CONTROL, Volume: 28 Issue: 1 Pages: 55-63 Published: MAR 2019	1220 - 1766
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205		2023		<u>Dong, Z;</u> <u>Li, XF;</u> (...); <u>Xie, F</u>	Multi-Net Fusion: Exploring a Brain-Inspired	IEEE ACCESS	2169-3536

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206	IBIDEM	2022		<u>Barros, P and Sciutti, A</u>	Across the Universe: Biasing Facial Representations Toward Non-Universal Emotions With the Face-STN	IEEE ACCESS 10 , pp.103932-103947	2169-3536
207	IBIDEM	2022		<u>Hassen, OA; Abu, NA; (...); Darwish, SM</u>	Realistic Smile Expression Recognition Approach Using Ensemble Classifier with Enhanced Bagging	CMC-COMPUTERS MATERIALS & CONTINUA	1546-2226
208	IBIDEM	2021	Feb	<u>Sikkandar, H and Thiyagarajan, R</u>	Deep learning based facial expression recognition using improved Cat Swarm Optimization	JOURNAL OF AMBIENT INTELLIGENCE AND HUMANIZED COMPUTING 12 (2) , pp.3037-3053	1868-5145
209	IBIDEM	2021	Jun	<u>Liu, YY; Zhang, YX and Liu, XY</u>	Application of embedded computer and improved genetic algorithm in the strategy of community of human destiny: the development of artificial intelligence in the context of Covid-19	JOURNAL OF AMBIENT INTELLIGENCE AND HUMANIZED COMPUTING	1868-5145
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211	IBIDEM	2021	Jul	<u>Zhang, FH</u>	Application of data storage and information search in english translation corpus	WIRELESS NETWORKS	1572 - 8196
212	IBIDEM	2021	Oct	<u>Bosch, N and D'Mello, SK</u>	Automatic Detection of Mind Wandering from Video in the Lab and in the Classroom	IEEE TRANSACTIONS ON AFFECTIVE COMPUTING 12 (4) , pp.974-988	1949-3045
	IBIDEM	2022	Oct	<u>Hassen, OA; Abu, NA; Darwish, SM</u>	Realistic Smile Expression Recognition Approach Using Ensemble Classifier with Enhanced Bagging	CMC-COMPUTERS MATERIALS & CONTINUA 70 (2), pp.2453-2469	1546-2218
213	FEATURE EXTRACTION THROUGH CROSS-PHASE CONGRUENCY FOR FACIAL EXPRESSION ANALYSIS , Buciu, Ioan and Nafornta, Ioan, INTERNATIONAL JOURNAL OF PATTERN RECOGNITION AND ARTIFICIAL INTELLIGENCE 2009	2022	Sep	<u>Chen, L; Ouyang, Y; (...); Qiu, ML</u>	Radiomics Analysis of Lymph Nodes with Esophageal Squamous Cell Carcinoma Based on Deep Learning	JOURNAL OF ONCOLOGY	^cedi eacf
214	Directional features for automatic tumor classification of mammogram images Author(s): Buciu, Ioan ; Gacsadi, Alexandru Source: BIOMEDICAL SIGNAL PROCESSING AND CONTROL Volume: 6 Issue: 4 Pages: 370-378 DOI: 10.1016/j.bspc.2010.10.003 Published: OCT 2011	2020	Mai	<u>Rabidas, Rinku; Arif, Wasim</u>	Characterization of mammographic masses based on local photometric attributes	MULTIMEDIA TOOLS AND APPLICATIONS Volume: 79 Issue: 29-30 Pages: 21967-21985 Published: AUG 2020	1573-7721
215	IBIDEM	2023	Jun	<u>Chakravarthy, SRS; Bharani dharan, N and Rajaguru, H</u>	Deep Learning-Based Metaheuristic Weighted K-Nearest Neighbor Algorithm for the Severity Classification of Breast Cancer	IRBM 44 (3)	1959-0318

216	IBIDEM	2022	Feb	<u>Chakravarthy, SRS and Rajaguru, H</u>	Automatic Detection and Classification of Mammograms Using Improved Extreme Learning Machine with Deep Learning	IRBM 43 (1) , pp.49-61	1876-0988
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218	IBIDEM	2021	Dec	<u>Chakravarthy, SRS and Rajaguru, H</u>	Deep-features with Bayesian optimized classifiers for the breast cancer diagnosis	INTERNATIONAL JOURNAL OF IMAGING SYSTEMS AND TECHNOLOGY 31 (4) , pp.1861-1881	1098-1098
219	IBIDEM	2021	Feb	<u>Gargouri, N; Zouari, M; (...); Amous, S</u>	Computer-Assisted Diagnosis System for Abnormalities Classification in Digital Mammography Based on Multi-Threshold Modified Local Ternary Pattern (MtMLTP)	JOURNAL OF BIOMIMETICS BIOMATERIALS AND BIOMEDICAL ENGINEERING 49 , pp.75-89	2296-9845
220	IBIDEM	2020	June	<u>Murtaza, Ghulam; Shuib, Liyana; Mujtaba, Ghulam; et al.</u>	Breast Cancer Multi-classification through Deep Neural Network and Hierarchical Classification Approach	MULTIMEDIA TOOLS AND APPLICATIONS Volume: 79 Issue: 21-22 Pages: 15481-15511 Published: JUN 2020	1573-7721
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222	IBIDEM	2020	Sep	<u>Yu, Xiangchun; Pang, Wei; Xu, Qing; et al.</u>	Mammographic image classification with deep fusion learning	SCIENTIFIC REPORTS Volume: 10 Issue: 1 Article Number: 14361 Published: SEP 1 2020	2045-2322
223	IBIDEM	2020	Oct	<u>Shinde, Vaishali D.; Rao, B. Thirumala</u>	A Novel Approach to Mammogram Classification using Spatio-Temporal and Texture Feature Extraction using Dictionary based Sparse Representation Classifier	INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS Volume: 11 Issue: 10 Pages: 320-332 Published: OCT 2020	2156-5570
224	IBIDEM	2019	Dec	<u>Tavakoli, Nasrin; Karimi, Maryam; Norouzi, Alireza; et</u>	Detection of abnormalities in mammograms using deep features	JOURNAL OF AMBIENT INTELLIGENCE AND HUMANIZED COMPUTING	1868-5145
225	IBIDEM	2019	Dec	<u>Fanizzi, Annarita; Basile, Teresa Maria;</u>	Ensemble Discrete Wavelet Transform and Gray-Level Co-Occurrence Matrix for	APPLIED SCIENCES-BASEL Volume: 9 Issue: 24 Article Number: 5388 Published: DEC 2019	2076-3417

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226	IBIDEM	2019	Nov	<u>Losurdo, Liliana; Fanizzi, Annarita; Basile, Teresa Maria A.; et al.</u>	Radiomics Analysis on Contrast-Enhanced Spectral Mammography Images for Breast Cancer Diagnosis: A Pilot Study	ENTROPY Volume: 21 Issue: 11 Article Number: 1110 Published: NOV 2019	1099-4300
227	IBIDEM	2019	Aug	<u>Zhao, Yu; Chen, Dong; Xie, Hongzhi; et al.</u>	Mammographic Image Classification System via Active Learning	JOURNAL OF MEDICAL AND BIOLOGICAL ENGINEERING Volume: 39 Issue: 4 Pages: 569-582 Published: AUG 2019	2199-4757
228	IBIDEM	2019	Jun	<u>Khan, Salabat; Khan, Amir; Maqsood, Muazzam; et al.</u>	Optimized Gabor Feature Extraction for Mass Classification Using Cuckoo Search for Big Data E-Healthcare	JOURNAL OF GRID COMPUTING Volume: 17 Issue: 2 Special Issue: SI Pages: 239-254 Published: JUN 2019	1572-9184
229	IBIDEM	2019	April	<u>Alhamid, Mohammed F.</u>	Investigation of mammograms in the cloud for smart healthcare	MULTIMEDIA TOOLS AND APPLICATIONS Volume: 78 Issue: 7 Pages: 8997-9009 Published: APR 2019	1573-7721
230	IBIDEM	2019	Jan	<u>Abdel-Nasser, Mohamed; Moreno, Antonio; Puig, Domenec</u>	Breast Cancer Detection in Thermal Infrared Images Using Representation Learning and Texture Analysis Methods	ELECTRONICS Volume: 8 Issue: 1 Article Number: 100 Published: JAN 2019	2079-9292
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232	IBIDEM	2023	Jan	<u>Li, C; Wen, CL and Qiu, YT</u>	A Video Sequence Face Expression Recognition Method Based on Squeeze-and-Excitation and 3DPCA Network	SENSORS 23 (2)	1424-8220
233	IBIDEM	2022	Nov	<u>Tao, LF; Liu, HF; (...); Wang, C</u>	Associated Fault Diagnosis of Power Supply Systems Based on Graph Matching: A Knowledge and Data Fusion Approach	MATHEMATICS, 10 (22)	2227-7390
234	IBIDEM	2020	May	<u>Wang, JX and Lei, ZC</u>	A Convolutional Neural Network Based on Feature Fusion for Face Recognition	LASER & OPTOELECTRONICS PROGRESS 57 (10)	10064125
235	IBIDEM	2020	Mar	<u>Joseph, Allen; Geetha, P.</u>	Facial emotion detection using modified eyemap-mouthmap algorithm on an enhanced image and classification with tensorflow	VISUAL COMPUTER Volume: 36 Issue: 3 Pages: 529-539 Published: MAR 2020	1432-2315
236	IBIDEM	2020	Mar	<u>Naghsh, Erfan; Sabahi, Mohamad Farzan; Beheshti, Soosan</u>	Spatial analysis of EEG signals for Parkinson's disease stage detection	SIGNAL IMAGE AND VIDEO PROCESSING Volume: 14 Issue: 2 Pages: 397-405 Published: MAR 2020	1863-1711
237	IBIDEM	2019	Dec	<u>Selvaraj, Arivazhagan;</u>	Bimodal recognition of affective states with the features inspired from	INTERNATIONAL JOURNAL OF IMAGING SYSTEMS AND TECHNOLOGY	1098-1098

				<u>Russel, Newlin Shebiah</u>	human visual and auditory perception system	Volume: 29 Issue: 4 Pages: 584-598 Published: DEC 2019	
238	IBIDEM	2019	Jul	<u>Sinha, Ayushi; Billings, Seth D.; Reiter, Austin; et al.</u>	The deformable most-likely-point paradigm	MEDICAL IMAGE ANALYSIS Volume: 55 Pages: 148-164 Published: JUL 2019	1361-8415
239							
240	An analysis of facial expression recognition under new sparc facial image occlusion Author(s): Kotsia, Irene ; Buciu, Loan ; Pitas, Ioannis Source: IMAGE AND VISION COMPUTING Volume: 26 Issue: 7 Pages: 1052-1067 DOI: 10.1016/j.imavis.2007.11.004 Published: JUL 2 2008	2020		<u>Wang, Kai; Peng, Xiaojiang; Yang, Jianfei; et al.</u>	Region Attention Networks for Pose and Occlusion Robust Facial Expression Recognition	IEEE TRANSACTIONS ON IMAGE PROCESSING Volume: 29 Pages: 4057-4069 Published: 2020	1941-0042
241	IBIDEM	2022	Sept	<u>Rawal, N and Stock-Homburg, RM</u>	Facial Emotion Expressions in Human-Robot Interaction: A Survey	INTERNATIONAL JOURNAL OF SOCIAL ROBOTICS 14 (7) , pp.1583-1604	1875-4805
242	IBIDEM	2021	Jun	<u>Poux, D; Allaert, B; (...); Djerab a, C</u>	Facial expressions analysis under occlusions based on specificities of facial motion propagation	MULTIMEDIA TOOLS AND APPLICATIONS 80 (15) , pp.22405-22427	1573-7721
243	IBIDEM	2020	Apr	<u>Priya, R. Vishnu; Vijayakumar, V.; Tavares, Joao Manuel R. S.</u>	MQSMER: a mixed quadratic shape model with optimal fuzzy membership functions for emotion recognition	NEURAL COMPUTING & APPLICATIONS Volume: 32 Issue: 8 Pages: 3165-3182 Published: APR 2020	1433-3058
244	IBIDEM	2020	Mai	<u>Yadav, Kuldeep Singh; Singha, Joyeeta</u>	Facial expression recognition using modified Viola-John's algorithm and KNN classifier	MULTIMEDIA TOOLS AND APPLICATIONS Volume: 79 Issue: 19-20 Pages: 13089-13107 Published: MAY 2020	1573-7721
245	IBIDEM	2020	Jun	<u>Juneja, Kapil</u>	MPMFFT based DCA-DBT integrated probabilistic model for face expression classification	JOURNAL OF KING SAUD UNIVERSITY-COMPUTER AND INFORMATION SCIENCES Volume: 32 Issue: 5 Pages: 618-633 Published: JUN 2020	1319-1578
246	IBIDEM	2020	Jul	<u>Poux, Delphine; Allaert, Benjamin; Mennesson, Jose; et al.</u>	Facial expressions analysis under occlusions based on specificities of facial motion propagation	MULTIMEDIA TOOLS AND APPLICATIONS	1573-7721
247	IBIDEM	2020	Aug	<u>Xue, Mingliang; Duan, Xiaodong; Liu, Wanquan; et al.</u>	A semantic facial expression intensity descriptor based on information granules	INFORMATION SCIENCES Volume: 528 Pages: 113-132 Published: AUG 2020	1872-6291
248	IBIDEM	2020	Sep	<u>Nestor, Mark S.; Fischer, Daniel; Arnold, David</u>	"Masking" our emotions: Botulinum toxin, facial expression, and well-being in the age of COVID-19	JOURNAL OF COSMETIC DERMATOLOGY Volume: 19 Issue: 9 Pages: 2154-2160 Published: SEP 2020	1473-2165

249	IBIDEM	2020	Sep	<u>Carbon, Claus-Christian</u>	Wearing Face Masks Strongly Confuses Counterparts in Reading Emotions	FRONTIERS IN PSYCHOLOGY Volume: 11 Article Number: 566886 Published: SEP 25 2020	1664-1078
250	IBIDEM	2019	Dec	<u>Ullah, Asad; Wang, Jing; Anwar, M. Shahid; et al.</u>	Facial Expression Recognition of Nonlinear Facial Variations Using Deep Locality De-Expression Residue Learning in the Wild	ELECTRONICS Volume: 8 Issue: 12 Article Number: 1487 Published: DEC 2019	2079-9292
251	IBIDEM	2019	Dec	<u>Imani, Maryam; Montazer, Gholam Ali</u>	A survey of emotion recognition methods with emphasis on E-Learning environments	JOURNAL OF NETWORK AND COMPUTER APPLICATIONS Volume: 147 Article Number: 102423 Published: DEC 1 2019	1084-8045
252	IBIDEM	2019	Dec	<u>Liang, Yunji; Zheng, Xiaolong; Zeng, Daniel D.</u>	A survey on big data-driven digital phenotyping of mental health	INFORMATION FUSION Volume: 52 Pages: 290-307 Published: DEC 2019	1566-2535
253	IBIDEM	2019	Jul	<u>Goyani, Mahesh M.</u>	Web Enabled Spontaneous Facial Expression Database (WESFED): Challenges and Design	INTERNATIONAL JOURNAL OF NEXT-GENERATION COMPUTING Volume: 10 Issue: 2 Pages: 139-151 Published: JUL 2019	2229-4678
254	IBIDEM	2019	Jul	<u>Priya, R. Vishnu</u>	Emotion recognition from geometric fuzzy membership functions	MULTIMEDIA TOOLS AND APPLICATIONS Volume: 78 Issue: 13 Pages: 17847-17878 Published: JUL 2019	13807501
255	IBIDEM	2019	May	<u>Li, Yong; Zeng, Jiabei; Shan, Shiquang; et al.</u>	Occlusion Aware Facial Expression Recognition Using CNN With Attention Mechanism	IEEE TRANSACTIONS ON IMAGE PROCESSING Volume: 28 Issue: 5 Pages: 2439-2450 Published: MAY 2019	10577149
256	Nonnegative matrix factorization in polynomial feature space Author(s): Buciu, Ioan ; Nikolaidis, Nikos ; Pitas, Ioannis Source: IEEE TRANSACTIONS ON NEURAL NETWORKS Volume: 19 Issue: 6 Pages: 1090-1100 DOI: 10.1109/TNN.2008.2000162 Published: JUN 2008	2020	Jan	<u>Peng, Xinjun; Chen, De; Xu, Dong</u>	Hyperplane-based nonnegative matrix factorization with label information	INFORMATION SCIENCES Volume: 493 Pages: 1-19 Published: AUG 2019	1872-6291
257	IBIDEM	2023	Jul	<u>Zhang, C and van der Baan, M</u>	Microseismic Signal Reconstruction From Strong Complex Noise Using Low-Rank Structure Extraction and Dual Convolutional Neural Networks	IEEE TRANSACTIONS ON NEURAL NETWORKS AND LEARNING SYSTEMS	2162-237X
258	IBIDEM	2022	Dec	<u>Zhao, Y; Deng, FR; (...); Yang, X</u>	Progressive Deep Non-Negative Matrix Factorization Architecture with Graph Convolution-based Basis Image Reorganization	PATTERN RECOGNITION	1873-5142
259	IBIDEM	2022	Dec	<u>Hu, LY; Chen, X; (...); Chen, LF</u>	Nonnegative matrix factorization with combined kernels for small data representation	EXPERT SYSTEMS WITH APPLICATIONS, 208	1873-6793
260	IBIDEM	2022		<u>Rahiche, A and Cheri</u>	Nonlinear Orthogonal NMF on the Stiefel Manifold With Graph-Based Total	IEEE SIGNAL PROCESSING LETTERS	10709908

				et, M	Variation Regularization	29 , pp.1457-1461	
261	IBIDEM	2022	Dec	<u>Chen, WS;</u> <u>Ge, XY and</u> <u>Pan, BB</u>	A novel general kernel-based non-negative matrix factorisation approach for face recognition	CONNECTION SCIENCE 34 (1) , pp.785-810	1360-0494
262	IBIDEM	2021	Aug	<u>Yi, J; Wu, L;</u> <u>(...); Yao,</u> <u>LZ</u>	A Sparse Dimensionality Reduction Approach Based on False Nearest Neighbors for Nonlinear Fault Detection	IEEE TRANSACTIONS ON SYSTEMS MAN CYBERNETICS-SYSTEMS 51 (8) , pp.4980-4992	2168-2232
263	IBIDEM	2021	Jun	<u>Zhao, Y;</u> <u>Wang, HY</u> <u>and Pei, JH</u>	Deep Non-Negative Matrix Factorization Architecture Based on Underlying Basis Images Learning	IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE 43 (6) , pp.1897-1913	1939-3539
264	IBIDEM	2021	Jul	<u>Chen, ZK;</u> <u>Jin, S; (...);</u> <u>Zhang, JN</u>	A Deep Non-negative Matrix Factorization Model for Big Data Representation Learning	FRONTIERS IN NEUROBOTICS 15	1662-5218
265	IBIDEM	2021	Apr	<u>Peng, XJ; Xu,</u> <u>D and</u> <u>Chen, D</u>	Robust distribution-based nonnegative matrix factorizations for dimensionality reduction	INFORMATION SCIENCES 552 , pp.244-260	1872-6291
266	IBIDEM	2020	Jan	<u>Xu, Jian; Bi,</u> <u>Pengfei; Du,</u> <u>Xue; et al.</u>	Kernel Two-Dimensional Nonnegative Matrix Factorization: A New Method to Target Detection for UUV Vision System	COMPLEXITY Volume: 2020 Article Number: 9454261 Published: JAN 8 2020	1099-0526
267	IBIDEM	2020	Aug	<u>Ren, Zelin;</u> <u>Zhang,</u> <u>Wensheng;</u> <u>Zhang,</u> <u>Zhizhong</u>	A Deep Nonnegative Matrix Factorization Approach via Autoencoder for Nonlinear Fault Detection	IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS Volume: 16 Issue: 8 Pages: 5042-5052 Published: AUG 2020	1941-0050
268	IBIDEM	2020	Aug	<u>Liu,</u> <u>Weiqiang;</u> <u>Luo, Linkai;</u> <u>Peng, Hong;</u> <u>et al.</u>	A three-stage method for batch-based incremental nonnegative matrix factorization	NEUROCOMPUTING Volume: 400 Pages: 150-160 Published: AUG 4 2020	1872-8286
269	IBIDEM	2020	Nov	<u>Peng, Xinjun;</u> <u>Xu, Dong;</u> <u>Chen, De</u>	Progressive transduction nonnegative matrix factorization for dimensionality reduction	NEUROCOMPUTING Volume: 414 Pages: 76-89 Published: NOV 13 2020	1872-8286
270	IBIDEM	2019	Aug	<u>Peng, Xinjun;</u> <u>Chen, De;</u> <u>Xu, Dong</u>	Hyperplane-based nonnegative matrix factorization with label information	INFORMATION SCIENCES Volume: 493 Pages: 1-19 Published: AUG 2019	0020-0255
271	IBIDEM	2019	Jul	<u>Chen, Wen-</u> <u>Sheng; Liu,</u> <u>Jingmin; Pan,</u> <u>Binbin; et</u> <u>al.</u>	Face recognition using nonnegative matrix factorization with fractional power inner product kernel	NEUROCOMPUTING Volume: 348 Special Issue: SI Pages: 40-53 Published: JUL 5 2019	0925-2312
272	IBIDEM	2019	Mar	<u>Guo, Zhibo;</u> <u>Zhang, Ying</u>	A Sparse Corruption Non-Negative Matrix Factorization method and application in face image processing & recognition	MEASUREMENT Volume: 136 Pages: 429-437 Published: MAR 2019	0263-2241
273	IBIDEM	2019	Jan	<u>Chen, Wen-</u> <u>Sheng; Liu,</u> <u>Jingmin; Pan,</u> <u>Binbin; et</u>	Block kernel nonnegative matrix factorization for face recognition	INTERNATIONAL JOURNAL OF WAVELETS MULTIREOLUTION AND INFORMATION PROCESSING Volume: 17	1793-690X

				<u>al.</u>		Issue: 1 Article Number: 1850059 Published: JAN 2019	
274	IBIDEM	2019	Jan	<u>Dong, Xiao;</u> <u>Zhang,</u> <u>Huaxiang;</u> <u>Zhu, Lei; et</u> <u>al.</u>	Weighted locality collaborative representation based on sparse subspace	JOURNAL OF VISUAL COMMUNICATION AND IMAGE REPRESENTATION Volume: 58 Pages: 187-194 Published: JAN 2019	1047-3203
275	Buciu, Ioan, Non-negative matrix factorization, a new tool for feature extraction: Theory and applications, INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL Volume: 3 Supplement: S Pages: 67-74 Published: 2008	2020	Mar	<u>Deepthi, S.</u> <u>Aruna; Rao,</u> <u>E.</u> <u>Sreenivasa;</u> <u>Prasad, M. N.</u> <u>Giri</u>	Advanced Security Surveillance Mechanism for Small Scale Apartments	INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND NETWORK SECURITY Volume: 20 Issue: 3 Pages: 68-76 Published: MAR 31 2020	1738-7906
276	IBIDEM	2023	Mar	<u>Gu,</u> <u>R; Billinge,</u> <u>SJL and Du,</u> <u>Q</u>	A fast two-stage algorithm for non-negative matrix factorization in smoothly varying data	ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES 79 , pp.203-216	2053-2733
277	IBIDEM	2022	Dec	<u>Athukorala,</u> <u>S and Mohotti,</u> <u>W</u>	An effective short-text topic modelling with neighbourhood assistance-driven NMF in Twitter	SOCIAL NETWORK ANALYSIS AND MINING 12 (1)	1869-5469
278	IBIDEM	2022	Nov	<u>Sushkov,</u> <u>NI; Galbacs,</u> <u>G; (...); Labuti</u> <u>n, TA</u>	Towards Automated Classification of Zooplankton Using Combination of Laser Spectral Techniques and Advanced Chemometrics	SENSORS 22 (21)	1424-8220
279	IBIDEM	2022	Jul	<u>Sushkov,</u> <u>NI; Galbacs,</u> <u>G; (...); Labuti</u> <u>n, TA</u>	A novel approach for discovering correlations between elemental and molecular composition using laser-based spectroscopic techniques	ANALYST 147 (14) , pp.3248-3257	0003-2654
280	IBIDEM	2022	Apr	<u>Sharma, R</u> <u>and Dinkar,</u> <u>SK</u>	A novel social deep autoencoder NMF incentive scheme to detect a selfish node in delay tolerant network	JOURNAL OF SUPERCOMPUTING	1573-0484
281	IBIDEM	2021	Dec	<u>Sun, DC;</u> <u>Yang, CQ;</u> <u>(...);</u> <u>Abdelzaher,</u> <u>TF</u>	Computational Modeling of Hierarchically Polarized Groups by Structured Matrix Factorization	FRONTIERS IN BIG DATA	2624-909X
282	IBIDEM	2021		<u>Chu, DL; Shi,</u> <u>W; (...);</u> <u>Park, H</u>	AN ALTERNATING RANK-k NONNEGATIVE LEAST SQUARES FRAMEWORK (ARKNLS) FOR NONNEGATIVE MATRIX FACTORIZATION	SIAM JOURNAL ON MATRIX ANALYSIS AND APPLICATIONS 42 (4) , pp.1451-1479	1095-7162
283	IBIDEM	2020	Dec	<u>Zhang, X;</u> <u>Li, XH;</u> <u>(...);</u> <u>Zhou, P</u>	Spatial filtering for enhanced high-density surface electromyographic examination of neuromuscular changes and its application to spinal cord injury	JOURNAL OF NEUROENGINEERING AND REHABILITATION 17 (1)	1743-0003
284	IBIDEM	2020	Jun	<u>Grasso,</u> <u>Valeria;</u> <u>Holthof,</u> <u>Joost; Jose,</u> <u>Jithin</u>	An Automatic Unmixing Approach to Detect Tissue Chromophores from Multispectral Photoacoustic Imaging	SENSORS Volume: 20 Issue: 11 Article Number: 3235 Published: JUN 2020	1424-8220

285	IBIDEM	2020	Jun	<u>Fathi-Hafshejani, S.;</u> <u>Moaberfard, Z.</u>	An interior-point algorithm for linearly constrained convex optimization based on kernel function and application in non-negative matrix factorization	OPTIMIZATION AND ENGINEERING Volume: 21 Issue: 3 Pages: 1019-1051 Published: SEP 2020	1573-2924
286	IBIDEM	2020	Dec	<u>Zhang, Xu ;</u> <u>Li, Xinhui ;</u> <u>Tang, Xiao ;</u> <u>et al.</u>	Spatial filtering for enhanced high-density surface electromyographic examination of neuromuscular changes and its application to spinal cord injury	JOURNAL OF NEUROENGINEERING AND REHABILITATION Volume: 17 Issue: 1 Article Number: 160 Published: DEC 3 2020	1743-0003
287	IBIDEM	2019	Jun	<u>Pineiro-Chousa, Juan ;</u> <u>Vizcaino-Gonzalez, Marcos ;</u> <u>Ribeiro-Navarrete, Samuel</u>	Using voting decisions to identify shocks in the financial services industry	SERVICE BUSINESS Volume: 13 Issue: 2 Pages: 419-431 Published: JUN 2019	1862-8508
288	Buciu, I.; Kotropoulos, C.; Pitas, I. <u>Demonstrating the stability of support vector machines for classification.</u> SIGNAL PROCESSING Volume: 86 Issue: 9 Pages: 2364-2380 Published: SEP 2006	2019	Sep	<u>Hou, Qiuling;</u> <u>Zhang, Jinxin;</u> <u>Liu, Liming;</u> <u>et al.</u>	Discriminative information-based nonparallel support vector machine	SIGNAL PROCESSING Volume: 162 Pages: 169-179 Published: SEP 2019	0165-1684
289	IBIDEM	2023	Jul	<u>Zhu, YJ; Liu, JK; (...); Li, XW</u>	A Three-Dimensional Conceptual Model for Estimating the Above-Ground Biomass of Winter Wheat Using Digital and Multispectral Unmanned Aerial Vehicle Images at Various Growth Stages	REMOTE SENSING 15 (13)	2072-4292
290	IBIDEM	2022	Jul	<u>Wang, WH; Zheng, HB; (...); Cheng, T</u>	An assessment of background removal approaches for improved estimation of rice leaf nitrogen concentration with unmanned aerial vehicle multispectral imagery at various observation times	FIELD CROPS RESEARCH, 283	1872-6852
291	IBIDEM	2020		<u>Henke, M;</u> <u>Santos, E;</u> <u>(...); Santin, AO</u>	Spam Detection Based on Feature Evolution to Deal with Concept Drift	JOURNAL OF UNIVERSAL COMPUTER SCIENCE 27 (4) , pp.364-386	0948-695X
292	IBIDEM	2019	Feb	<u>Tsai, Min-Jen ;</u> <u>Tao, Yu-Han ;</u> <u>Yuadi, Imam</u>	Deep learning for printed document source identification	SIGNAL PROCESSING-IMAGE COMMUNICATION Volume: 70 Pages: 184-198 Published: FEB 2019	923-5965
293	Exploiting discriminant information in nonnegative matrix factorization with application to frontal face verification Author(s): Zafeiriou, Stefanos ; Tefas, Anastasios ; Buciu, Ioan ; et al. Source: IEEE TRANSACTIONS ON NEURAL NETWORKS Volume: 17 Issue: 3 Pages: 683-695 DOI: 10.1109/TNN.2006.873291 Published:	2020		<u>Teng, Xiao;</u> <u>Lan, Long;</u> <u>Zhang, Xiang;</u> <u>et al.</u>	Transductive Nonnegative Matrix Tri-Factorization	IEEE ACCESS Volume: 8 Pages: 81331-81347 Published: 2020	2169-3536

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294	IBIDEM	2023	Nov	<u>Guan, J; Fan, M and Li, LH</u>	A weakly supervised NMF method to decipher molecular subtype-related dynamic patterns in breast DCE-MR images	PHYSICS IN MEDICINE AND BIOLOGY 68 (21)	1361-6560
295	IBIDEM	2023	Nov	<u>Song, GJ; Ng, MK and Jiang, TX</u>	Tangent Space Based Alternating Projections for Nonnegative Low Rank Matrix Approximation	IEEE TRANSACTIONS ON KNOWLEDGE AND DATA ENGINEERING 35 (11) , pp.11917-11934	1558-2191
296	IBIDEM	2023	Jun	<u>Du, KL; Swamy, MNS; (...); Mo w, WH</u>	Matrix Factorization Techniques in Machine Learning, Signal Processing, and Statistics	MATHEMATICS 11 (12)	2227-7390
297	IBIDEM	2023	May	<u>Lu, G; Leng, CC; (...); Basu, A</u>	Robust dual-graph discriminative NMF for data classification	KNOWLEDGE-BASED SYSTEMS 268	1872-7409
298	IBIDEM	2023	Mar	<u>Sun, HC and Yang, J</u>	The Generalization of Non-Negative Matrix Factorization Based on Algorithmic Stability	ELECTRONICS 12 (5)	2079-9292
299	IBIDEM	2023	Jul	<u>Meng, M; Zhou, GQ; (...); Xi, XG</u>	Continuous estimation of multi-DOF movement from sEMG based on non-negative matrix factorization and L2 regulation	MEDICAL & BIOLOGICAL ENGINEERING & COMPUTING 61 (7) , pp.1675-1686	1741-0444
300	IBIDEM	2023	April	<u>Zhong, JT; Shan, ZY; (...); Hu, B</u>	Robust discriminant feature extraction for automatic depression recognition	BIOMEDICAL SIGNAL PROCESSING AND CONTROL 82	1746-8108
301	IBIDEM	2023	Jun	<u>Wan, MH; Yan, CX; (...); Yang, GW</u>	Robust non-negative supervised low-rank discriminant embedding (NSLRDE) for feature extraction	INTERNATIONAL JOURNAL OF MACHINE LEARNING AND CYBERNETICS 14 (6) , pp.2155-2168	1868-808X
302	IBIDEM	2023	Jan	<u>Jahani, MS; Aghamollaei, G; (...); Saberi-Movahed, F</u>	Unsupervised feature selection guided by orthogonal representation of feature space	NEUROCOMPUTING 516 , pp.61-76	1872-8286
303	IBIDEM	2023	Jan	<u>Chen, WS; Lian, ZX; (...); Chen, B</u>	Bi-level optimization-based projective non-negative matrix factorization	INTERNATIONAL JOURNAL OF WAVELETS MULTIREOLUTION AND INFORMATION PROCESSING 21 (01)	1793-690X
304	IBIDEM	2022		<u>Xiao, GY; Bai, ZJ and Ching, WK</u>	A COLUMNWISE UPDATE ALGORITHM FOR SPARSE STOCHASTIC MATRIX FACTORIZATION	SIAM JOURNAL ON MATRIX ANALYSIS AND APPLICATIONS 43 (4) , pp.1712-1735	1095-7162
305	IBIDEM	2022	Oct	<u>Zhang, LF; Chao, XR; (...); Jing, FY</u>	Credit evaluation solutions for social groups with poor services in financial inclusion: A technical forecasting method	TECHNOLOGICAL FORECASTING AND SOCIAL CHANGE, 183	1873-5509
306	IBIDEM	2022	April	<u>da Silva, FB; Cetin, E and Marti</u>	Radio Frequency Interference Detection Using Nonnegative Matrix	IEEE TRANSACTIONS ON AEROSPACE AND ELECTRONIC SYSTEMS,	189251

				<u>ns, WA</u>	Factorization	58 (2) , pp.868-878	
307	IBIDEM	2022		<u>Huang, Q;</u> <u>Zhang, GD; (...); Wang, YG</u>	Robust Graph Regularized Nonnegative Matrix Factorization	IEEE ACCESS, 10 , pp.86962-86978	2169-3536
308	IBIDEM	2022	Dec	<u>Chen, WS;</u> <u>Ge, XY and Pan, BB</u>	A novel general kernel-based non-negative matrix factorisation approach for face recognition	CONNECTION SCIENCE 34 (1) , pp.785-810	1360-0494
309	IBIDEM	2022	Feb	<u>Huang, HN;</u> <u>Yang, ZY;</u> <u>(...); Sun, WJ</u>	A Converged Deep Graph Semi-NMF Algorithm for Learning Data Representation	CIRCUITS SYSTEMS AND SIGNAL PROCESSING 41 (2) , pp.1146-1165	1531-5878
310	IBIDEM	2021	Mar	<u>Asadi, S and Povh, J</u>	A Block Coordinate Descent-Based Projected Gradient Algorithm for Orthogonal Non-Negative Matrix Factorization	MATHEMATICS 9 (5)	2227-7390
311	IBIDEM	2021		<u>Yang, Q; Yin, XS; (...); Wang, YG</u>	Robust Structured Convex Nonnegative Matrix Factorization for Data Representation	IEEE ACCESS 9 , pp.155087-155102	2169-3536
312	IBIDEM	2020	Dec	<u>Li, NN;</u> <u>Wang, SF;</u> <u>(...); Li, ZY</u>	SAC-NMF-Driven Graphical Feature Analysis and Applications	MACHINE LEARNING AND KNOWLEDGE EXTRACTION 2 (4) , pp.630-646	2504-4990
313	IBIDEM	2020	Feb	<u>Li, Heng-Chao;</u> <u>Yang, Gang;</u> <u>Yang, Wen; et al.</u>	Deep nonsmooth nonnegative matrix factorization network with semi-supervised learning for SAR image change detection	ISPRS JOURNAL OF PHOTOGRAMMETRY AND REMOTE SENSING Volume: 160 Pages: 167-179 Published: FEB 2020	1872-8235
314	IBIDEM	2020	Feb	<u>Yi, Yugen;</u> <u>Wang, Jianzhong;</u> <u>Zhou, Wei; et al.</u>	Non-Negative Matrix Factorization With Locality Constrained Adaptive Graph	IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY Volume: 30 Issue: 2 Pages: 427-441 Published: FEB 2020	1558-2205
315	IBIDEM	2020	Mar	<u>Aleem, Sidra;</u> <u>Yang, Po;</u> <u>Masood, Saleha; et al.</u>	An accurate multi-modal biometric identification system for person identification via fusion of face and finger print	WORLD WIDE WEB-INTERNET AND WEB INFORMATION SYSTEMS Volume: 23 Issue: 2 Special Issue: SI Pages: 1299-1317 Published: MAR 2020	1573-1413
316	IBIDEM	2020	Apr	<u>Li, Xuelong;</u> <u>Chen, Mulin;</u> <u>Wang, Qi</u>	Discrimination-Aware Projected Matrix Factorization	IEEE TRANSACTIONS ON KNOWLEDGE AND DATA ENGINEERING Volume: 32 Issue: 4 Pages: 809-814 Published: APR 1 2020	1558-2191
317	IBIDEM	2020	May	<u>De La Torre Cruz, Juan;</u> <u>Canadas Quesada, Francisco</u> <u>Jesus; Ruiz Reyes, Nicolas; et al</u>	Wheezing Sound Separation Based on Informed Inter-Segment Non-Negative Matrix Partial Co-Factorization	SENSORS Volume: 20 Issue: 9 Article Number: 2679 Published: MAY 2020	1424-8220

318	IBIDEM	2020	Joule	<u>Poux, Delphine;</u> <u>Allaert, Benjamin;</u> <u>Mennesson, Jose; et al.</u>	Facial expressions analysis under occlusions based on specificities of facial motion propagation	MULTIMEDIA TOOLS AND APPLICATIONS	1573-7721
319	IBIDEM	2020	Sept	<u>Zhang, Lihua;</u> <u>Zhang, Shihua</u>	A General Joint Matrix Factorization Framework for Data Integration and Its Systematic Algorithmic Exploration	IEEE TRANSACTIONS ON FUZZY SYSTEMS Volume: 28 Issue: 9 Pages: 1971-1983 Published: SEPT 2020	1941-0034
320	IBIDEM	2020	Oct	<u>Huang, Qi;</u> <u>Yin, Xuesong;</u> <u>Chen, Songcan; et al.</u>	Robust nonnegative matrix factorization with structure regularization	NEUROCOMPUTING Volume: 412 Pages: 72-90 Published: OCT 28 2020	1872-8286
321	IBIDEM	2020	Nov	<u>Yi, Yugen;</u> <u>Chen, Yuqi;</u> <u>Wang, Jianzhong; et al.</u>	Joint feature representation and classification via adaptive graph semi-supervised nonnegative matrix factorization	SIGNAL PROCESSING-IMAGE COMMUNICATION Volume: 89 Article Number: 115984 Published: NOV 2020	1879-2677
322	IBIDEM	2020	Nov	<u>Hou, Mixiao;</u> <u>Li, Jinxing;</u> <u>Lu, Guangming</u>	A supervised non-negative matrix factorization model for speech emotion recognition	SPEECH COMMUNICATION Volume: 124 Pages: 13-20 Published: NOV 2020	1872-7182
323	IBIDEM	2020	Nov	<u>Peng, Xinjun;</u> <u>Xu, Dong;</u> <u>Chen, De</u>	Progressive transduction nonnegative matrix factorization for dimensionality reduction	NEUROCOMPUTING Volume: 414 Pages: 76-89 Published: NOV 13 2020	1872-8286
324	IBIDEM	2020	Dec	<u>Zhu, Wenjie;</u> <u>Peng, Yishu</u>	Elastic net regularized kernel non-negative matrix factorization algorithm for clustering guided image representation	APPLIED SOFT COMPUTING Volume: 97 Article Number: 106774 Part: A Published: DEC 2020	1872-9681
325	IBIDEM	2019	Nov	<u>Tong, Ming;</u> <u>Chen, Yiran;</u> <u>Zhao, Mengao; et al.</u>	A deep discriminative and robust nonnegative matrix factorization network method with soft label constraint	NEURAL COMPUTING & APPLICATIONS Volume: 31 Issue: 11 Pages: 7447-7475 Published: NOV 2019	1433-3058
326	IBIDEM	2019	Aug	<u>Wu, Wenhui;</u> <u>Kwong, Sam;</u> <u>Hou, Junhui; et al.</u>	Simultaneous Dimensionality Reduction and Classification via Dual Embedding Regularized Nonnegative Matrix Factorization	IEEE TRANSACTIONS ON IMAGE PROCESSING Volume: 28 Issue: 8 Pages: 3836-3847 Published: AUG 2019	10577149
327	IBIDEM	2019	Aug	<u>Peng, Xinjun;</u> <u>Chen, De;</u> <u>Xu, Dong</u>	Hyperplane-based nonnegative matrix factorization with label information	INFORMATION SCIENCES Volume: 493 Pages: 1-19 Published: AUG 2019	0020-0255
328	IBIDEM	2019	Jul	<u>Chen, Wen-Sheng;</u> <u>Liu, Jingmin;</u> <u>Pan, Binbin; et al.</u>	Face recognition using nonnegative matrix factorization with fractional power inner product kernel	NEUROCOMPUTING Volume: 348 Special Issue: SI Pages: 40-53 Published: JUL 5 2019	0925-2312
329	IBIDEM	2019	Jul	<u>Tong, Ming;</u> <u>Bu, Haili;</u> <u>Zhao, Mengao; et al.</u>	Non-negative enhanced discriminant matrix factorization method with sparsity regularization	NEURAL COMPUTING & APPLICATIONS Volume: 31 Issue: 7 Pages: 3117-3140 Published: JUL 2019	1433-3058
330	IBIDEM	2019	Jul	<u>Pineiro-Chousa,</u>	Assessing the effects of disruptive events on	INTERNATIONAL REVIEW OF ECONOMICS &	1059-0560

				<u>Juan; Vizcaino-Gonzalez; Marcos; Ribeiro-Navarrete, Belen</u>	technology firms using non-negative matrix factorization	FINANCE Volume: 62 Pages: 79-86 Published: JUL 2019	
331	IBIDEM	2019	Mar	<u>Guo, Zhibo; Zhang, Ying</u>	A Sparse Corruption Non-Negative Matrix Factorization method and application in face image processing & recognition	MEASUREMENT Volume: 136 Pages: 429-437 Published: MAR 2019	0263-2241
332	IBIDEM	2019	Mar	<u>Chen, Wen-Sheng; Wang, Chian; Pan, Binbin; et al.</u>	Nonnegative matrix factorization with manifold structure for face recognition	INTERNATIONAL JOURNAL OF WAVELETS MULTIREOLUTION AND INFORMATION PROCESSING Volume: 17 Issue: 2 Special Issue: SI Article Number: 1940006 Published: MAR 2019	1793-690X
333	IBIDEM	2019		<u>Guo, Zhibo; Zhang, Ying</u>	A Label-Embedding Online Nonnegative Matrix Factorization Algorithm	IEEE ACCESS Volume: 7 Pages: 105882-105891 Published: 2019	
334	IBIDEM	2019		<u>Han, Wei; Sorg, Christian; Zheng, Changgang; et al.</u>	Low-rank network signatures in the triple network separate schizophrenia and major depressive disorder	NEUROIMAGE-CLINICAL Volume: 22 Article Number: UNSP 101725 Published:	2213-1582
335	IBIDEM	2019	Jan	<u>Chen, Wen-Sheng; Liu, Jingmin; Pan, Binbin; et al.</u>	Block kernel nonnegative matrix factorization for face recognition	INTERNATIONAL JOURNAL OF WAVELETS MULTIREOLUTION AND INFORMATION PROCESSING Volume: 17 Issue: 1 Article Number: 1850059 Published: JAN 2019	1793-690X
336	A new sparse image representation algorithm applied to facial expression recognition Author(s): Buciu I; Pitas I Editor(s): Barros A; Principe J; Larsen J; et al. Conference: 14th IEEE International Workshop on Machine Learning for Signal Processing Location: Sao Luis, BRAZIL Date: SEP 29-OCT 01, 2004 Sponsor(s): IEEE Signal Proc Soc, TC Machine Learning Signal Proc Source: MACHINE LEARNING FOR SIGNAL PROCESSING XIV Book Series: IEEE Workshop on Machine Learning for Signal Processing Pages: 539-548 Published: 2004	2019	Dec	<u>Xie, Weicheng; Jia, Xi; Shen, Linlin; et al.</u>	Sparse deep feature learning for facial expression recognition	PATTERN RECOGNITION Volume: 96 Article Number: 106966 Published: DEC 2019	0031-3203
337	IBIDEM	2021	April	<u>Zhang, HY; Xu, DY and Qin, YB</u>	A Logarithmic Function-Based Novel Representation Algorithm for Image Classification	TRAITEMENT DU SIGNAL 38 (2) , pp.291-297	1958-5608
338	IBIDEM	2019	Oct-Dec	<u>Meng, Zibo; Han, Shizhong; Tong, Yan</u>	Listen to Your Face: Inferring Facial Action Units from Audio Channel	IEEE TRANSACTIONS ON AFFECTIVE COMPUTING Volume: 10 Issue: 4 Pages: 537-551 Published: OCT-DEC 2019	1949-3045
339	IBIDEM	2019	Sep	<u>Meng, Zibo; Han, Shizhong; Liu, Ping; et al.</u>	Improving Speech Related Facial Action Unit Recognition by Audiovisual Information Fusion	IEEE TRANSACTIONS ON CYBERNETICS Volume: 49 Issue: 9 Pages: 3293-3306 Published: SEP 2019	2168-2275

340	IBIDEM	2019	Aug	<u>Wan, Minghua; Lai, Zhihui; Ming, Zhong; et al.</u>	An improve face representation and recognition method based on graph regularized non-negative matrix factorization	MULTIMEDIA TOOLS AND APPLICATIONS Volume: 78 Issue: 15 Pages: 22109-22126 Published: AUG 2019	1573-7721
341	IBIDEM	2019	Aug	<u>Peng, Xinjun; Chen, De; Xu, Dong</u>	Hyperplane-based nonnegative matrix factorization with label information	INFORMATION SCIENCES Volume: 493 Pages: 1-19 Published: AUG 2019	0020-0255
342	Buciu, I; Pitas, I, <u>Application of non-negative and local non negative matrix factorization to facial expression recognition</u> , PROCEEDINGS OF THE 17TH INTERNATIONAL CONFERENCE ON PATTERN RECOGNITION, VOL 1 Book Series: INTERNATIONAL CONFERENCE ON PATTERN RECOGNITION Pages: 288-291 Published: 2004	2020	Apr	<u>Li, Qionglin; Wang, Xuotong; Wang, Shaoyi; et al.</u>	More Flexible Integration of Functional Systems After Musical Training in Young Adults	IEEE TRANSACTIONS ON NEURAL SYSTEMS AND REHABILITATION ENGINEERING Volume: 28 Issue: 4 Pages: 817-824 Published: APR 2020	1558-0210
343	IBIDEM	2023	Dec	<u>Shreeves, P; Andrews, JL; (...); Jirasek, A</u>	Nonnegative Matrix Factorization with Group and Basis Restrictions	STATISTICS IN BIOSCIENCES 15 (3) , pp.608-632	1867-1772
344	IBIDEM	2023	Nov	<u>Xie, YL; Tian, WH and Yu, ZT</u>	Robust facial expression recognition with Transformer Block Enhancement Module	ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE 126	1873-6769
345	IBIDEM	2023	Jun	<u>Mohana, M; Subashini, P and Krishna veni, M</u>	Emotion Recognition from Facial Expression Using Hybrid CNN-LSTM Network	INTERNATIONAL JOURNAL OF PATTERN RECOGNITION AND ARTIFICIAL INTELLIGENCE 37 (08)	1793-6381
346	IBIDEM	2023	April	<u>Ma, FY; Sun, B and Li, ST</u>	Facial Expression Recognition With Visual Transformers and Attentional Selective Fusion	IEEE TRANSACTIONS ON AFFECTIVE COMPUTING 14 (2) , pp.1236-1248	1949-3045
347	IBIDEM	2023		<u>Alzamzami, F and Saddik, AE</u>	Transformer-Based Feature Fusion Approach for Multimodal Visual Sentiment Recognition Using Tweets in the Wild	IEEE ACCESS 11 , pp.47070-47079	2169-3536
348	IBIDEM	2023	Jan	<u>Li, C; Wen, CL and Qiu, YT</u>	A Video Sequence Face Expression Recognition Method Based on Squeeze-and-Excitation and 3DPCA Network	SENSORS 23 (2)	1424-8220
349	IBIDEM	2020	Dec	<u>Li, NN; Wang, SF; (...); Li, ZY</u>	SAC-NMF-Driven Graphical Feature Analysis and Applications	MACHINE LEARNING AND KNOWLEDGE EXTRACTION 2 (4) , pp.630-646	2504-4990
350	IBIDEM	2020	Mai	<u>Yadav, Kuldeep Singh; Singha, Joyeeta</u>	Facial expression recognition using modified Viola-John's algorithm and KNN classifier	MULTIMEDIA TOOLS AND APPLICATIONS Volume: 79 Issue: 19-20 Pages: 13089-13107 Published: MAY 2020	1573-7721
351	IBIDEM	2020	Jul	<u>Yalamanchili, Hari Krishna; Alcott, Callison E.; Ji, Ping; et al.</u>	PolyA-miner: accurate assessment of differential alternative polyadenylation from 3' Seq data using vector projections and non-negative matrix factorization	NUCLEIC ACIDS RESEARCH Volume: 48 Issue: 12 Article Number: e69 Published: JUL 9 2020	1362-4962
352	IBIDEM	2019	Dec	<u>Lin, Xiao;</u>	Enhancing Personalized Recommendation by	ACM TRANSACTIONS ON INFORMATION SYSTEMS	1046818 8

				<u>Min, Zhang;</u> <u>Liu, Yiqun;</u> <u>et al.</u>	Implicit Preference Communities Modeling	Volume: 37 Issue: 4 Article Number: 48 Published: DEC 2019	
353	IBIDEM	2019	Oct	<u>Wang, Peitao;</u> <u>He, Zhaoshui;</u> <u>Xie, Kan; et</u> <u>al.</u>	A hybrid algorithm for low-rank approximation of nonnegative matrix factorization	NEUROCOMPUTING Volume: 364 Pages: 129-137 Published: OCT 28 2019	0925-2312
354	IBIDEM	2019	April	<u>Chen, Jiang;</u> <u>Yousefi,</u> <u>Mahyar;</u> <u>Zhao, Yan;</u> <u>et al.</u>	Modelling ore-forming processes through a cosine similarity measure: Improved targeting of porphyry copper deposits in the Manzhouli belt, China	ORE GEOLOGY REVIEWS Volume: 107 Pages: 108-118 Published: APR 2019	0169-1368
355	IBIDEM	2019	April	<u>Sen,</u> <u>Debashis;</u> <u>Datta,</u> <u>Samyak;</u> <u>Balasubramanian, R.</u>	Facial emotion classification using concatenated geometric and textural features	MULTIMEDIA TOOLS AND APPLICATIONS Volume: 78 Issue: 8 Pages: 10287-10323 Published: APR 2019	1573-7721
356	Tepelea, Lavinia ; Buciu, Ioan ; (...); Gacsadi, Alexandru, <u>A Vision Module for Visually Impaired People by Using Raspberry PI Platform</u> , International Conference on Engineering of Modern Electric Systems (EMES), 2019	2022	Feb	<u>Valipoor, MM</u> <u>and de</u> <u>Antonio, A</u>	Recent trends in computer vision-driven scene understanding for VI/blind users: a systematic mapping	UNIVERSAL ACCESS IN THE INFORMATION SOCIETY	1615-5297
357	IBIDEM	2022	Nov	<u>Nethravathi,</u> <u>B; Srinivasa,</u> <u>HP; (...); M</u> <u>anjunath, C</u>	Visually Impaired Person Assistance Based on Tensor FlowLite Technology	INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS, 13 (11), pp.609-614	21565570
358	IBIDEM	2022		<u>Zafar, S; Asif,</u> <u>M; (...);</u> <u>Khan, MA</u>	Assistive Devices Analysis for Visually Impaired Persons: A Review on Taxonomy	IEEE ACCESS 10 , pp.13354-13366	2169-3536
359	IBIDEM	2020	Dec	<u>Khan, MA;</u> <u>Paul, P;</u> <u>(...); Ahad,</u> <u>MAR</u>	An AI-Based Visual Aid With Integrated Reading Assistant for the Completely Blind	IEEE TRANSACTIONS ON HUMAN-MACHINE SYSTEMS 50 (6) , pp.507-517	2168-2305
360	IBIDEM	2023	Aug.	<u>Valipoor,</u> <u>MM and de</u> <u>Antonio, A</u>	Recent trends in computer vision-driven scene understanding for VI/blind users: a systematic mapping	UNIVERSAL ACCESS IN THE INFORMATION SOCIETY 22 (3) , pp.983-1005	1615-5289
361	Buciu, Ioan and Gacsadi, A., <u>Gabor Wavelet Based Features for Medical Image Analysis and Classification</u> , International Symposium on Applied Sciences in Biomedical and Communication Technologies (ISABEL), 2009	2022	Feb	<u>Acar, E;</u> <u>Ertugrul, OF;</u> <u>(...);</u> <u>Oztekin, A</u>	Automatic identification of cassava leaf diseases utilizing morphological hidden patterns and multi-feature textures with a distributed structure-based classification approach	JOURNAL OF PLANT DISEASES AND PROTECTION	1861-3837
362	IBIDEM	2023	Aug	<u>Mishra,</u> <u>HK and Kaur,</u> <u>M</u>	Classification of brain tumour based on texture and deep features of magnetic resonance images	EXPERT SYSTEMS 40 (7)	1468-0394
363	IBIDEM	2023	Aug	<u>Akil,</u> <u>MF and Ertugrul, OF</u>	Estimation of Diffusion Weight Imaging and Perfusion-Weighted Imaging Volume by Texture Methods	ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING 48 (8) , pp.10575-10588	2191-4281
364	IBIDEM	2023	Jan	<u>Attallah, O</u>	GabROP: Gabor Wavelets-Based CAD for	DIAGNOSTICS 13 (2)	2075-4418

					Retinopathy of Prematurity Diagnosis via Convolutional Neural Networks		
365	IBIDEM	2022	Aug	<u>Lo, CM; Yeh, YH; (...); Yeh, HJ</u>	Rapid Polyp Classification in Colonoscopy Using Textural and Convolutional Features	HEALTHCARE, 10 (8)	2227-9032
366	IBIDEM	2022	Jun	<u>Acar, E; Ertugrul, OF; (...); Oztekin, A</u>	Automatic identification of cassava leaf diseases utilizing morphological hidden patterns and multi-feature textures with a distributed structure-based classification approach	JOURNAL OF PLANT DISEASES AND PROTECTION 129 (3) , pp.605-621	1861-3837
367	IBIDEM	2021	Feb	<u>Ertugrul, OF; Acar, E; (...); Oztekin, A</u>	Automatic diagnosis of cardiovascular disorders by sub images of the ECG signal using multi-feature extraction methods and randomized neural network	BIOMEDICAL SIGNAL PROCESSING AND CONTROL 64	1746-8108
368	IBIDEM	2020	Jun	<u>Murtaza, G; Shuib, L; (...); Raza, G</u>	Breast Cancer Multi-classification through Deep Neural Network and Hierarchical Classification Approach	MULTIMEDIA TOOLS AND APPLICATIONS 79 (21-22) , pp.15481-15511	1573-7721
369	Benedek Nagy, Elisa Valentina Moisi: Memetic algorithms for reconstruction of binary images on triangular grids with 3 and 6 projections, Applied Soft Computing 52, 2017, pp. 549-565	2023	NOV	<u>Nagy, B</u>	Weighted distances and distance transforms on the triangular tiling	TRANSACTIONS IN GIS	1361-1682
370	IBIDEM	2024	JAN	<u>Saadetoglu, M (Saadetoglu, Muge) [1]; Nagy, B (Nagy, Benedek) [1], [2]; Avkan, A (Avkan, Aydin) [1]</u>	Digital continuity of rotations in the 2D regular grids	ANNALS OF MATHEMATICS AND ARTIFICIAL INTELLIGENCE	1012-2443
371	IBIDEM	2023	APR	<u>Nagy, B (Nagy, Benedek) [1], [2], [3]</u>	A digital geometry on the tetrakis square tiling- Distance and coarsening	TRANSACTIONS IN GIS	1361-1682
372	IBIDEM	2023		<u>Nagy, B (Nagy, Benedek) [1]</u>	Non-traditional 2D Grids in Combinatorial Imaging - Advances and Challenges	LECTURE NOTES IN ARTIFICIAL INTELLIGENCE	0302-9743
373	IBIDEM	2022	SEP	<u>Dao, SD (Dao, Son Duy) [1]; Mallégol, A (Mallégol, Antoine) [1]; Meyer, P (Meyer, Patrick) [1]; Mohammadi, M (Mohammadi, Mehrdad) [1]; Loyer, S (Loyer, Sophie) [2]</u>	Spatial area determination problem: Definition and solution method based on Memetic Algorithm	APPLIED COMPUTING SOFT	1568-4946

374	IBIDEM	2022	MAR	Avkan, A (Avkan, Aydin) [1]; Nagy, B (Nagy, Benedek) [1]; Saadetoglu, M (Saadetoglu, Muge) [1]	A comparison of digitized rotations of neighborhood motion maps of closest neighbors on 2D regular grids	SIGNAL IMAGE AND VIDEO PROCESSING	1863-1703
375	IBIDEM	2021	MAR	Abuhmaidan, K (Abuhmaidan, Khaled) [1]; Aldwairi, M (Aldwairi, Monther) [2]; Nagy, B (Nagy, Benedek) [3]	Vector Arithmetic in the Triangular Grid	ENTROPY	1099-4300
376	IBIDEM	2021		Saadat, M (Saadat, MohammadR eza) [1]; Nagy, B (Nagy, Benedek) [1]	Generating Patterns on the Triangular Grid by Cellular Automata including Alternating Use of Two Rules	PROCEEDINGS OF THE 12TH INTERNATIONAL SYMPOSIUM ON IMAGE AND SIGNAL PROCESSING AND ANALYSIS (ISPA 2021)	1845-5921
377	IBIDEM	2021		Nagy, B (Nagy, Benedek) [1]; Szokol, P (Szokol, Peter) [2]	A Genetic Algorithm for the Minimum Vertex Cover Problem with Interval-Valued Fitness	ACTA POLYTECHNICA HUNGARICA	1785-8860
378	IBIDEM	2020	AUG	Avkan, A (Avkan, Aydin) [1]; Nagy, B (Nagy, Benedek) [1]; Saadetoglu, M (Saadetoglu, Muge) [1]	Digitized rotations of 12 neighbors on the triangular grid	ANNALS OF MATHEMATICS AND ARTIFICIAL INTELLIGENCE	1012-2443
379	IBIDEM	2020	JAN	Abuhmaidan, K (Abuhmaidan, Khaled) [1]; Nagy, B (Nagy, Benedek) [2]	Bijjective, Non-Bijjective and Semi-Bijjective Translations on the Triangular Plane	MATHEMATICS	2227-7390
380	B. Nagy, E. V. Moisi and V. I. Cretu, "Discrete tomography on the triangular grid based on Ryser's results," 2013 8th International Symposium on Image and Signal Processing and Analysis (ISPA), 2013, pp. 801-806, doi: 10.1109/ISPA.2013.6703846.	2023		Nagy, B (Nagy, Benedek) [1]	Non-traditional 2D Grids in Combinatorial Imaging - Advances and Challenges	LECTURE NOTES IN ARTIFICIAL INTELLIGENCE	0302-9743
381	IBIDEM	2021		Saadat, M (Saadat, MohammadR eza) [1]; Nagy, B (Nagy, Benedek) [1]	Generating Patterns on the Triangular Grid by Cellular Automata including Alternating Use of Two Rules	PROCEEDINGS OF THE 12TH INTERNATIONAL SYMPOSIUM ON IMAGE AND SIGNAL PROCESSING AND ANALYSIS (ISPA 2021)	1845-5921
382	IBIDEM	2020	JAN	Nagy, B (Nagy, Benedek) [1]; Lukic, T (Lukic, Tibor) [2]	Binary tomography on the isometric tessellation involving pixel shape orientation	IET IMAGE PROCESSING	1751-9659
383	B. Nagy and E. V. Moisi, "Binary Tomography on the Triangular Grid with 3 Alternative Directions -- A Genetic Approach," 2014 22nd	2023		Nagy, B (Nagy, Benedek) [1]	Non-traditional 2D Grids in Combinatorial Imaging - Advances and Challenges	LECTURE NOTES IN ARTIFICIAL INTELLIGENCE	0302-9743

	International Conference on Pattern Recognition, 2014, pp. 1079-1084, doi: 10.1109/ICPR.2014.195.						
384	IBIDEM	2022	NOV	Nagy, B (Nagy, Benedek) [1] ; Saadat, M (Saadat, MohammadR eza) [1]	Digital geometry on a cubic stair-case mesh	PATTERN RECOGNITION LETTERS	0167-8655
385	IBIDEM	2021		Nagy, B (Nagy, Benedek) [1] ; Szokol, P (Szokol, Peter) [2]	A Genetic Algorithm for the Minimum Vertex Cover Problem with Interval-Valued Fitness	ACTA POLYTECHNICA HUNGARICA	1785-8860
386	IBIDEM	2020	AUG	Avkan, A (Avkan, Aydin) [1] ; Nagy, B (Nagy, Benedek) [1] ; Saadetoglu, M (Saadetoglu, Muge) [1]	Digitized rotations of 12 neighbors on the triangular grid	ANNALS OF MATHEMATICS AND ARTIFICIAL INTELLIGENCE	1012-2443
387	N. E. Costea, E. V. Moisi and D. E. Popescu, "Comparison of Machine Learning Algorithms for Prediction of Diabetes," 2021 16th International Conference on Engineering of Modern Electric Systems (EMES), 2021, pp. 1-4, doi: 10.1109/EMES52337.2021.9484116.	2022	DEC	Pokala, VSK (Pokala, Venkata Sai Kumar) [1] ; Kumar, NS (Kumar, Neelam Sanjeev) [1]	Analysis and comparison for prediction of Diabetic Pregnant women using Innovative Principal Component Analysis algorithm over Support Vector Machine Algorithm with Improved Accuracy	CARDIOMETRY	2304-7232
388	IBIDEM			Pokala, VSK (Pokala, Venkata Sai Kumar) [1] ; Kumar, NS (Kumar, Neelam Sanjeev) [1]	Analysis and Comparison for Prediction of Diabetic among Pregnant Women using Innovative Support Vector Machine Algorithm over Random Forest Algorithm with Improved Accuracy	CARDIOMETRY	2304-7232
389	D. E. Madar and E. V. Moisi, "Semantic Similarities for Projects and Freelancers Profile Matching," 2019 15th International Conference on Engineering of Modern Electric Systems (EMES), 2019, pp. 129-132, doi: 10.1109/EMES.2019.8795095.	2020	DEC	Gupta, V (Gupta, Varun) [1] , [2] ; Fernandez-Crehuet, JM (Fernandez-Crehuet, Jose Maria) [1] ; Gupta, C (Gupta, Chetna) [2] ; Hanne, T (Hanne, Thomas) [2]	Freelancing Models for Fostering Innovation and Problem Solving in Software Startups: An Empirical Comparative Study	SUSTAINABILITY	2071-1050
390	R. M. Sferle and E. V. Moisi, "Automatic Number Plate Recognition for a Smart Service Auto," 2019 15th International Conference on Engineering of Modern Electric Systems (EMES), 2019, pp. 57-60, doi: 10.1109/EMES.2019.8795201.	2023	mar	Zibani, R (Zibani, Rezki) [1] ; Sebbak, F (Sebbak, Faouzi) [1] ; Boudaren, ME (Boudaren, Mohamed El Yazid) [1] ; Mataoui, M (Mataoui, M'hamed) [1] ; Aissa, RH (Hadj Aissa,	Multi-attribute fusion-based approach for Algerian automatic license plate recognition	MULTIMEDIA TOOLS AND APPLICATIONS	1380-7501

				Ridouane) [1] ; Benaissa, YA (Benaissa, Yasser Abdeldjalil) [1]			
391	IBIDEM	2023	MAR	Dilek, E (Dilek, Esma) [1]; Dener, M (Dener, Murat) [1]	Computer Vision Applications in Intelligent Transportation Systems: A Survey	SENSORS	1424- 8220
392	IBIDEM	2023	JAN	Ma, ZF (Ma, Zongfang) [1] ; Wu, ZP (Wu, Zhaping) [1]; Cao, YG (Cao, Yonggen) [1]	End-to-End Light License Plate Detection and Recognition Method Based on Deep Learning	ELECTRONICS	2079- 9292
393	IBIDEM	2022	OCT	Tang, JQ (Tang, Junqing) [1], [2], [3]; Wan, L (Wan, Li) [4] ; Schooling, J (Schooling, Jennifer) [3]; Zhao, PJ (Zhao, Pengjun) [1], [2]; Chen, J (Chen, Jun) [1], [2]; Wei, SF (Wei, Shufen) [1]	Automatic number plate recognition (ANPR) in smart cities: A systematic review on technological advancements and application cases	CITIES	0264- 2751
394	IBIDEM	2022	NOV	Kaur, P (Kaur, Parneet) [1]; Kumar, Y (Kumar, Yogesh) [2]; Gupta, S (Gupta, Surbhi) [3]	Artificial Intelligence Techniques for the Recognition of Multi-Plate Multi-vehicle Tracking Systems: A Systematic Review	ARCHIVES OF COMPUTATIONAL METHODS IN ENGINEERING	1134- 3060

4.2. Brevete de invenție

Numar de brevete: 0x30=0

Nr. crt.	Data acordarii		Autor(i)	Denumire brevet	Institutia care a acordat brevetul	Tip brevet
	An	Luna				
1						
2						

Numar de citari de brevete in sistemul ISI (citări în reviste ISI din perioada de raportare, indiferent când a fost acordat brevetul): 0x5=0

Nr. crt.	Brevetul citat (An / Lună / Autori / Denumire brevet / Institutia care a acordat brevetul / Tip brevet)	Articolul ISI care citează brevetul					
		Data publicării		Autor(i)	Titlul articolului	Revista ISI	ISSN
		An	Lună				
1							
2							

5. CRITERII SECUNDARE DE PERFORMANȚĂ

5.1. Lucrări publicate în reviste de specialitate fără cotație ISI: 17 x 5 = 85

Nr. crt.	Data publicarii		Autor(i)	Titlul lucrarii	Revista	ISSN	Tipul revistei
	An	Luna					
1	2022	Oct	C.P. Manea, T. O. Costea, L. Moldovan	Solder Wear Study on Electronic Boards using Nanoindentations	Journal of Electrical and Electronics Engineering (JEEE), Vol. 15 No. 2 October 2022	2067-2128	BDI
2	2022	Nov	L. Matei, G.C. Crainic, S. Curilă , M. Curilă	Designing and Creating a Related Database Current Activities in the Forestry Sector	Annals of the University of Oradea, Fascicle: Environmental Protection, Vol. XXXIX, Pages 113-120, nov. 2022, Oradea, Romania	2065-3484	BDI
3	2022	Oct	Poszet Otto, Vari-Kakas Ștefan, Pater Alexandrina Mirela, Moisi Elisa Valentina, Poszet Anna	Virtual Instrumentation in Online Education	Journal of Computer Science and Control Systems, Volume 15, Number 2, October 2022, pp.14-17	2067-2101	BDI
4	2022	May	Alin Pop, Florin-Sandu Blaga, Mircea-Petru Ursu, Voichița Hule, Monica Faur	Automated Manufacturing Systems, Modelled by Means of Coloured Petri Nets with Complex Colours and Functions	International Journal of Modern Manufacturing Technologies, Vol.XIV, No.2/2022	2067-3604	BDI
5	2022	Sept	Mircea-Petru URSU, Dragoș-Adrian CONDRUZ	Digital Tester of the DCC Signal Reception Quality	International Journal of Modern Manufacturing Technologies, Vol. XIV, No.3/2022	2067-3604	BDI
6	2022	Oct	Liliana Doina Măgdoi, Mircea Gordan, Helga Silaghi, Veronica Simona Abrudan Caciara	The Identification of Market Segments and the Selection of Target Markets in the Marketing of Petroleum Products	The Scientific Bulletin of Electrical Engineering Faculty, Vol.22, issue 1/2022, pp.1-6	2286-2455	BDI
7	2022	Oct	ARION Mircea – Nicolae, BANDICI Livia, TEUȘDEA Alin Cristian, VICAȘ Simona Ioana, MOLNAR Carmen – Otilia, ȘOPRONI Vasile – Darie, HATHAZI Francisc – Ioan, GYŐRÖDI Cornelia – Aurora	The Drying of Peppermint Plants Using Microwave Energy	JEEE, Volume 15, Number 2, October 2022, pp.16-20,	1844-6035	BDI
8	2021	May	Magdoi Liliana, Gordan Ioan, Mircea, Silaghi Helga, Pacala Anca	ENTREPRENEURSHIP IN THE BUSINESS MARKET OF PETROLEUM PRODUCTS MARKETING	The Scientific Bulletin of Electrical Engineering Faculty SBEEF, Vol.21, issue 2/2021, pp.14-18	2286-2455	BDI
9	2021	Oct	S. Popa, R. Reiz, S. Dale	Wi-Fi Radio frequency Radiations Level Measurements in Different Work Environment Locations	Journal of Electrical and Electronics Engineering, vol. 14, no.2	1844-6035	BDI
10	2020	May	GRAVA G.C. Cret, A. Stan (Belei), C. Grava	A short overview on navigation of mobile robots based on visual information	Journal of Electrical and Electronics Engineering, ISSN 1844-6035, Vol.13, No.1, pp. 19-22, May 2020 / Scopus	1844-6035	BDI
11	2020	Oct	Drăghiciu N., Reiz R	Improvements Obtained in PCB Testing,	Journal of Electrical and Electronics Engineering, University of Oradea Publisher, Vol. 13, no. 2, October 2020	2067-2128	BDI
12			G.C. Crainic, S. Sicoe, M. Curilă, S. Curilă	The Influence of Structural Characteristics on the Stability of Stands Affected by Windfalls and Windbreaks	Annals of the University of Oradea, Fascicle: Environmental Protection, Vol. XXXV, Pages 153-164, nov. 2020, Oradea, Romania, ISSN 2065-3484	2065-3484	BDI
13	2020	Oct	VARI-KAKAS Ștefan, POSZET Otto, PATER Mirela	Considerations Regarding the Security and Safety of Internet of Things	Journal of Computer Science and Control Systems (JCSCS), P-ISSN: 1844-6043, E-ISSN: 2067-2101, CD-ISSN: 2067-2098, vol. 13 nr.2, october 2020	2067-2098	BDI
14	2019		COROIU Laura, GERGELY Eugen Ioan	High Precision Measurements of Total Hip Prosthesis Wear	Journal of Electrical and Electronics Engineering, Vol. 12, Nr. 2, Oct. 2019, pp. 27-30, SCOPUS, CiteScore: 0.6	2067-2128	BDI
15	2020	Oct	D. Sas, T. Colosi, H. Silaghi, M. Silaghi, Z. Kovendi,	Dimensional Study of Matrix of Partial Derivatives of the State Vector (Mpd _x) Method	Journal of Computer Science and Control Systems, Vol. 13, Nr. 2, October 2020, P-ISSN: 1844-6043, E-ISSN: 2067-2101,	2067-2101	BDI

			L. Coroiu, E. Gergely, Claudiu Costea, C. Dobocan		pp. 20-25, 2020		
16	2019		A.M. Bica, M. Curila, S. Curila	Spline iterative method for pantograph type functional differential equations	Lecture Notes in Computer Science vol. 11386, LNCS 2019, (L. Vulkov, I. Farago, I. Dimov eds.), pp. 159-166, DOI: 10.1007/978-3-030-11539-5_16	2286-2455	BDI
17	2019	Jan	Alexandru Marius Silaghi, Ulrich Rohde, Ajay Poddar, Helga Silaghi, Tiberia Ilias, Ovidiu Cristian Fratila	Important Aspects of Human Blood Exposure in the Radio and Microwave Field	The Scientific Bulletin of Electrical Engineering Faculty SBEEF, Vol.19, issue 1/2019, pp.23-27, indexata INSPEC	2286-2455	INSPEC

5.2. Lucrări științifice prezentate la conferințe internaționale cu comitet de program: 5 x 5 = 25

Nr. crt.	Data publicării		Autor(i)	Titlul lucrării	Conferința
	An	Luna			
1	2021	Jun	Șandor, A., Tonț, G.,	Knowledge Management in Military Organizations. A SECI Model Perspective	International Conference Knowledge-Based Organization, Vol.-XXVII, Sibiu 2021
2	2021	Jun	Șandor, A., Tonț, G.,	Considerations Regarding the Inclusion of Cybersecurity in Knowledge Management	International Conference Knowledge-Based Organization, Vol.-XXVII, Sibiu, 2021
3	2019	Sep	Porumb Anca, Teusdea Alin Cristian, Ciavoi Gabriela, Gabor Gianina Adela	Sandblasting efficiency on red wine stains from the dental enamel	International Seminar on Biomaterials and Regenerative Medicine, BioReMed 2019, 26-28 September, 2019, Craiova
4	2019	Sep	Porumb Anca, Teusdea Alin Cristian, Matei Ruxandra, Gabor Gianina Adela	Professional dental cleaning effect on veneers and natural teeth after propolis ethanolic extract treatment	International Seminar on Biomaterials and Regenerative Medicine, BioReMed 2019, 26-28 September, 2019, Craiova
5	2019	Nov	Vári-Kakas S	Internet of Things – tervezési kihívások /Internet of Things – design challenges	MTN Konferencia, Dennis Gabor College, Budapest

6. PRESTIGIUL PROFESIONAL

6.1.	Membrii (incluzand statutul de recenzor) in colectivele de redactie ale unor reviste (cotate ISI sau incluse in baze de date internationale) sau in colectivele editoriale ale unor edituri internationale recunoscute: 53 x 20 = 1060 2023 1. Buci Ioan – Editor Asociat, Image And Visual Computing, 2023 2. Buci Ioan – Editor Asociat, International Journal of Computers, Communications & Control, 2023 3. Buci Ioan – Reviewer Biomedical Signal Processing and Control, 2023 4. Buci Ioan – Pattern Recognition Letters, 2023 2022 5. Gianina Gabor - Membru comitet editorial jurnal JCSCS 2022 6. Gianina Gabor - Membru comitet editorial jurnal ICES 2022 7. Robert Gyorodi Acting Chair al Microsoft Business Applications Academic Community EMEA Advisory Council – 2022 8. Buci Ioan – Editor Asociat, Image And Visual Computing, 2022 9. Buci Ioan – Editor Asociat, International Journal of Computers, Communications & Control, 2022 10. Buci Ioan – Reviewer Biomedical Signal Processing and Control, 2022 11. Buci Ioan – Pattern Recognition Letters, 2022 12. Buci Ioan – Reviewer IEEE Transactions on Information Forensics and Security - 2022 13. Buci Ioan - Reviewer IEEE Transactions on Pattern Analysis and Machine Intelligence – 2022 14. GYÖRÖDI Cornelia – Aurora- Membru in comitetul de recenzie la Applied Sciences journal, ISSN: 2076-3417, 2022 15. GYÖRÖDI Cornelia – Aurora- Membru in comitetul de recenzie la Big data and cognitive computing Journal, ISSN: 2504-2289, 2022 16. GYÖRÖDI Cornelia – Aurora- Membru in comitetul de recenzie la Computers Journal, ISSN: 2073-431X, 2022 17. GYÖRÖDI Cornelia – Aurora- Membru in comitetul de recenzie la Future Internet Journal, ISSN: 1999-5903, 2022 2021 18. Gianina Gabor - Membru comitet editorial jurnal JCSCS 2021 19. Gianina Gabor - Membru comitet editorial jurnal ICES 2021 20. Robert Gyorodi Acting Chair al Microsoft Business Applications Academic Community EMEA Advisory Council – 2021
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	21. Buciuc Ioan – Editor Asociat, Image And Visual Computing, 2021 22. Buciuc Ioan – Editor Asociat, International Journal of Computers, Communications & Control, 2021 23. Buciuc Ioan – Reviewer Biomedical Signal Processing and Control, 2021 24. Buciuc Ioan – Pattern Recognition Letters, 2021 25. Buciuc Ioan – Reviewer IEEE Transactions on Information Forensics and Security - 2021 26. Buciuc Ioan - Reviewer IEEE Transactions on Pattern Analysis and Machine Intelligence – 2021 27. GYÖRÖDI Cornelia – Aurora- Membru in comitetul de recenzie la Cluster Computing Journal, 2021 28. GYÖRÖDI Cornelia – Aurora - Membru in comitetul de recenzie la Applied Science Journal, 2021 - Membru in comitetul de recenzie la Computers Journal, 2021 29. GYÖRÖDI Cornelia – Aurora - Membru in comitetul de recenzie Safety Journal, 2021 2020 30. Gianina Gabor - Membru comitet editorial jurnal JCSCS 2020 31. Gianina Gabor - Membru comitet editorial jurnal ICMES 2020 32. Robert Gyorodi Acting Chair al Microsoft Business Applications Academic Community EMEA Advisory Council – 2020 33. Buciuc Ioan – Editor Asociat, Image And Visual Computing, 2020 34. Buciuc Ioan – Editor Asociat, International Journal of Computers, Communications & Control, 2020 35. Buciuc Ioan – Reviewer Biomedical Signal Processing and Control, 2020 36. Buciuc Ioan – Reviewer ICPR, 2020 37. Buciuc Ioan – Reviewer Arabian Journal of Science and Engineering, 2020 38. Buciuc Ioan – Pattern Recognition Letters, 2020 39. Buciuc Ioan – Reviewer IEEE Transactions on Information Forensics and Security - 2020 40. Buciuc Ioan – SpeD, 2019 41. Buciuc Ioan - Reviewer IEEE Transactions on Pattern Analysis and Machine Intelligence - 2020 2019 42. Gianina Gabor - Membru comitet editorial jurnal JCSCS 2019 43. Gianina Gabor - Membru comitet editorial jurnal ICMES 2019 44. Robert Gyorodi Acting Chair al Microsoft Business Applications Academic Community EMEA Advisory Council – 2019 45. Buciuc Ioan – Editor Asociat, Image And Visual Computing, 2019 46. Buciuc Ioan – Editor Asociat, International Journal of Computers, Communications & Control, 2019 47. Buciuc Ioan – Reviewer Biomedical Signal Processing and Control, 2019 48. Buciuc Ioan – Reviewer ICPR, 2019 49. Buciuc Ioan – Reviewer Arabian Journal of Science and Engineering, 2019 50. Buciuc Ioan – Pattern Recognition Letters, 2019 51. Buciuc Ioan – Reviewer IEEE Transactions on Information Forensics and Security - 2019 52. Buciuc Ioan – SpeD, 2019 53. Buciuc Ioan - Reviewer IEEE Transactions on Pattern Analysis and Machine Intelligence - 2019
6.2.	Membrii in colectivele de redactie ale revistelor recunoscute national (categ. B): 2 x 10 = 20 <i>Liviu Moldovan – editor revista Journal of Electrical and Electronics Engineering (JEEE)</i> https://electroinf.utoradea.ro/index.php/reviste/jeee.html) <i>Cristian Grava – editor revista Journal of Electrical and Electronics Engineering (JEEE)</i> https://electroinf.utoradea.ro/index.php/reviste/jeee.html)
6.3.	Premii internationale obtinute printr-un proces de selectie: ---
6.4.	Premii nationale ale Academiei Romane: 0x20=
6.5.	Conducatori de doctorat membrii ai unitatii de cercetare: 2 x 10 = 20 Ioan Buciuc Cristian Grava
6.6.	Numar de doctori in stiinta membrii ai unitatii de cercetare: 29 x 10 = 290 A se vedea Anexa 5

7. VENITURI REALIZATE PRIN CONTRACTE DE CERCETARE

7.1.	Numarul si valoarea contractelor de cercetare internationale finantate din fonduri publice	
	Contract/Tema/Perioada	Valoare (Euro)
	"SmartDoct-Programe de înaltă calitate pentru doctoranzii și cercetătorii postdoctorat ai Universității din Oradea pentru creșterea relevanței cercetării și inovării în contextul economiei regionale", FSE-POCU, Cod 123008, 6.436.627.61 de lei, 2019-2022, https://smartdoct.utoradea.ro/ , finantat prin Fondul SOCIAL EUROPEAN prin Programul	6.436.627.61

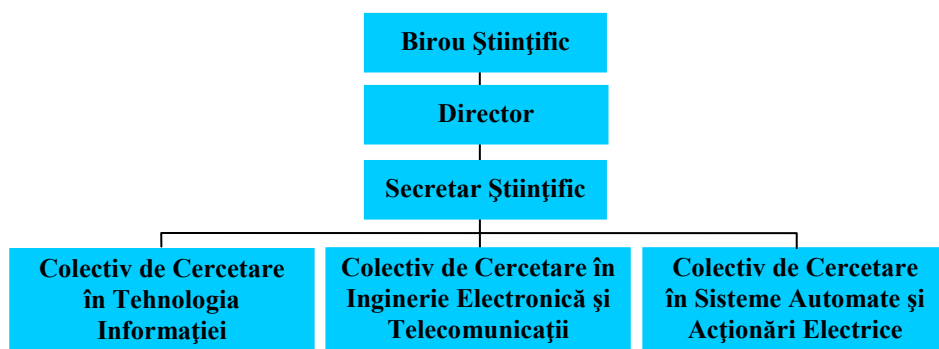
	Operațional Capital Uman 2014-2020	
	Total	6.436.627,61
7.2.	Numarul si valoarea contractelor de cercetare internationale finantate din fonduri private	
	Contract/Tema/Perioada	Valoare (Euro)
	"Efectul radiațiilor de radio frecvență asupra sănătății și comportamentului - studiu asupra adulților și copiilor", contract de cercetare cu mediul socio-economic nr. 2/14.05.2020, beneficiar: Forschungsring e.V, Darmstadt (Germania), finanțator: Software AG (Germania), buget 2020-2021, Echipa UO: ș.l.dr.ing. Sanda Dale (manager de proiect), ș.l.dr.ing. Romulus Reiz (inginer cercetare), ș.l.dr.ing. Sorin Popa (inginer cercetare)	62.000
	Total	62.000
7.3.	Numarul si valoarea contractelor de cercetare nationale finantate din fonduri publice	
	Contract/Tema/Perioada	Valoare (RON)
	Proiecte din PNCDI III	
	Proiect PNIII, "Motoare de căutare în WEB-ul invizibil și aplicații ale acestora. Exportul de servicii IT în SUA", PN-III-P1-1.1-MCD-2017-0084 (C. Grava)	11.800
	Aplicație software pentru efectuarea automată și adaptivă a unor măsurători și a evoluției în timp a tumorilor din imagini CONTRACT PN-III-P2-2.1-CI-2018-1389 (No. 239CI) – I. Buciu	50.000
	Procesare temporală a imaginilor folosind conceptul de Cellular Wave Computing - CONTRACT PN-III-P1-1.1-MC-2018-2673 – I. Buciu	2.297
	CNNA - CONTRACT PN-III-P1-1.1-MC-2018-2816 (Nr. MC739)	3.222
	Proiecte din PNCDI II	250.000
	Sistem de management al energiei obținute din surse regenerabile, pentru mici comunități izolate, PN-II-PTPCCA-2013-4-1462, Contract nr. 53/2014., 250.000 lei, iulie 2014- sept. 2017, Trip Nistor Daniel – Responsabil de contract pt. Universitatea din Oradea. Durata proiectului este de 39 luni (D. Trip)	
	CNFIS-FDI-2021-0096	323.296
	Saptamana stiintifica a Universitatii din Oradea	40.000
	Sistem interactiv de imagistica medicala pentru depistarea si masurarea nodulilor pulmonari, inclusiv a zonelor afectate de Covid, Competitia "Saptamana stiintifica a Universitatii din Oradea", 122/25.06.2021, 40.000 lei, 01.07.2021-30.11.2022	
	PNCDI - III	2.800.000
	"Cercetare de excelență în domeniul eco-nanotehnologiei și materiale avansate la Universitatea din Oradea", PDI-PFE, 29 PFE/30.12.2021, 2.800.000 de lei, 2022-2024	
	Proiecte internationale	
	Contracte de cercetare / consultanta pt. mediul economic	43.589,70
	Contract de cercetare cu mediul socio-economic; Cercetare privind proiectarea hardware și software a unei rețele și implementarea unor sisteme inteligente în cadrul unei investiții private, Valoare totală: 43589,70 lei (echivalent curs BNR 10 676,51 USD la data semnării contractului 28.04.2021)	
	INO-Transfer-UO	30.000
	Sistem de urmărire a privirii pentru măsurarea acuității vizuale și a timpului de reacție pentru persoanele cu deficiențe de vedere, Competitia de granturi "Cercetarea stiintifica de excelența aferenta domeniilor prioritare, cu valorificare prin transfer tehnologic, INO-Transfer-UO", + SC OPTISAN Clinic SRL (https://www.optisan.ro/), 30.000 lei, 316/21.12.2021	
	Total	3.554.204,7
7.4.	Numarul si valoarea contractelor de cercetare nationale finantate din fonduri private	
	Contract/Tema/Perioada	Valoare (RON)
	"Software pentru determinarea automată a concentrațiilor de pigmenți necesare pentru obținerea unei culori impuse, cu aplicații în industrie", Contract cu agentul economic SC Solar Eco Systems SRL, 47.000 lei, 16/17.12.2021, 20.12.2021-01.09.2022	47.000
	Total	47.000
7.5.	Alte surse	
	Contract/Tema/Perioada	Valoare (RON)

	Total	
7.6.	Venituri realizate din activitati economice (servicii, microproductie)	
	Contract/Tema/Perioada	Valoare (RON)
	Total	

8. RESURSA UMANĂ DE CERCETARE (Total personal de cercetare care realizeaza venituri din activitatea de cercetare dezvoltare)

Tabelul cu personalul de cercetare aferent centrului se gaseste la Anexa 5

8.1. Organigrama



8.2. Structura de personal

- 8.2.1. Cercetători științifici gradul 1 (profesori)/din care doctori în știință: 9 / 9
- 8.2.2. Cercetători științifici gradul 2 (conferențieri)/din care doctori în știință: 9 / 9
- 8.2.3. Cercetători științifici gradul 3 (lectori)/din care doctori în știință: 11 / 11
- 8.2.4. Cercetători științifici/din care doctori în știință: 2 / 0
- 8.2.5. Asistenți de cercetare: 0 / 0
- 8.2.6. Total personal auxiliar de cercetare angajat : 0 / 0

8.3. Date privind perfecționarea resursei umane

8.3. Număr de doctoranzi și masteranzi care lucrează în unitatea de cercetare-dezvoltare la data completării formularului (Tabelul 8.3):

	Nr.
Doctoranzi	2
Masteranzi	-

Tabelul 8.3. Doctoranzii și masteranzii care lucrează în cadrul centrului de cercetare

Nr. crt.	Nume și prenume	Funcția
1.	David Marcu	doctorand
2.	Popa Daniel	doctorand

9. INFRASTRUCTURA DE CERCETARE – DEZVOLTARE

9.1. Laboratoare de cercetare – dezvoltare

Colectivul de cercetare în Tehnologia Informației

Nr. crt.	Denumirea laboratorului	Suprafața [m²]	Grad de ocupare cercetare [%]	Domeniul în care este acreditat
1.	Laborator de Proiectare logică și securitatea datelor - (B112)	62	25	CTI
2.	Laborator de Arhitectura și performanța sistemelor de calcul - (E111A)	60	25	CTI
3.	Laborator de Sisteme cu microprocesoare - (T204)	40	25	CTI
4.	Laborator de Sisteme de operare - (V203)	40	25	CTI

Colectivul de cercetare în Inginerie Electronică și Telecomunicații

Nr. crt.	Denumirea laboratorului	Suprafața [m²]	Grad de ocupare cercetare [%]	Domeniul în care este acreditat
1.	Laborator (B212 – campus I) Sediul Centrului de Cercetări în Tehnologia Informației, Electronică și Automatizări	39,5	>50	Inginerie Electronică și Telecomunicații
2.	Laborator de Semnale și Sisteme de Telecomunicații - (B113 – campus I)	39,5	35	Inginerie Electronică și Telecomunicații
3.	Laborator de Transmisii Numerice de Date - (V214B – campus II)	36	30	Inginerie Electronică și Telecomunicații
4.	Laborator de Imagistică și Prelucrarea Semnalelor Multidimensionale - (V214C – campus II)	41,8	45	Inginerie Electronică și Telecomunicații

Colectivul de cercetare în Sisteme Automate și Acționări Electrice

Nr. crt.	Denumirea laboratorului	Suprafața [m²]	Grad de ocupare cercetare [%]	Domeniul în care este acreditat
1.	Laborator de Acționări și Automatizări Moderne - (E112)	45,45	25	Ingineria Sistemelor
2.	Laborator CIM - (T012)	54	25	
3.	Laborator Automatică - (T009)	32	30	
4.	Laborator Acționări electrice - (T007)	70,2	25	
5.	Laborator Informatică Aplicată - (V211)	42,13	25	

9.2. Lista echipamentelor performante achiziționate în ultimii 5 ani

Colectivul de cercetare în Tehnologia Informației

Nr. crt.	Echipament / soft	Anul fabricației	Valoarea RON	Sursa de finanțare a investiției
1.	Server HP i5	2010	Conf. inventar	POSDRU 56287
2.	13 stații HP i5 + 13 monitoare HP	2010	Conf. inventar	POSDRU 56287
3.	Server HP i5	2012	Conf. inventar	POSDRU 82033
4.	15 stații HP i5 + 15 monitoare HP	2012	Conf. inventar	POSDRU 82033
5.	terminal video conferință	2012	Conf. inventar	POSDRU 82033
6.	tabla interactivă	2012	Conf. inventar	POSDRU 82033
7.	10 calculatoare HP PRO 3400 + 10 monitoare HP 2011x	2012	Conf. inventar	Venituri Fac. IETI

Colectivul de cercetare în Inginerie Electronică și Telecomunicații

Nr.	Echipament / soft	buc.	Anul	Valoarea	Sursa de
-----	-------------------	------	------	----------	----------

crt.			fabricației	RON/ buc	finanțare a investiției
1	Server HP Proliant	1	2011	4034	Proiect Posdru
2	Sistem de calcul HP Compaq 500b	10	2011	1800	Proiect Posdru
3	Notebook Ideal Pad U260 Lenovo	1	2011	2860	Proiect Posdru
4	Laptop Lenovo G560	1	2011	1800	Proiect Posdru
5	Videoproiector BenQ MX 660	1	2011	2250	Proiect Posdru
6	Sistem de calcul	1	2011	3280	Grant Hu-Ro 0301/028
7	Licență National Instruments Academic	1	2011	26000	Grant Hu-Ro 0301/028
8	Sistem achiziție date Acquisition With WEB Publishing USB6361	2	2011	6500	Grant Hu-Ro 0301/028
9	Sistem achiziție date Acquisition With WEB Publishing USB6216	2	2011	5100	Grant Hu-Ro 0301/028
10	Osciloscop digital profesionist	1	2011	6200	Grant Hu-Ro 0301/028
11	Notebook Lenovo IDEA PAD 8570	4	2011	2990	Grant PN II/645
12	Videoproiector BenQ	1	2011	2195	Grant PN II/645
13	Sistem de calcul CORE	1	2011	3650	Grant PN II/645
14	Imprimantă multifuncțională	1	2011	1600	Grant PN II/645

Colectivul de cercetare în Sisteme Automate și Acționări Electrice

Nr. crt.	Echipament / soft	Anul fabricației	Valoarea	Sursa de finanțare a investiției
1.	Laptop SONY VAIO VPC-EB2Z1E/BQ.EE9	2011	4.081,25 RON	POSDRU/90/2.1/S/6 4051
1.	Notebook Dell Inspiron	2011	4.444,51 RON	POSDRU/90/2.1/S/6 4051
2.	Notebook Sony VAIO x 3 buc.	2011	5.486,78 RON	POSDRU/90/2.1/S/6 4051
3.	Laptop SONY VAIO VPCEA1S1E/L x 2 buc.	2011	7.717,56 RON	POSDRU/90/2.1/S/6 4051
4.	Laptop Lenovo G560G 59-033735	2011	1816,44 RON	POSDRU/90/2.1/S/6 4051
5.	Sistem de calcul Husk - Calculator PC 3 buc.	2011	9834,68 lei	HURO/0901/028
6.	Sursa de alimentare tripla reglabila - 6 buc	2011	5208,00 lei	HURO/0901/028
7.	Osciloscop digital profesional - 3 buc	2011	18600,00 lei	HURO/0901/028
8.	Multimetru digital - 6 buc	2011	2232,00 lei	HURO/0901/028
9.	Licenta National Instruments Academic - 3 buc	2011	78101,40 lei	HURO/0901/028
10.	Sistem achizitie date Data Acquisition with web publishing USB 6361 - 6 buc	2011	38807,04 lei	HURO/0901/028
11.	Sistem achizitie date Data Acquisition with web publishing USB 6216 - 6 buc	2011	30608,16 lei	HURO/0901/028

Universitatea din Oradea	PROCEDURA pentru înființarea, evaluarea și ierarhizarea centrelor de cercetare	COD: SEAQ PE-U.03	Revizia										
			1	2	3	4	5	6	7	8	9	10	11
			Aprobat în ședința de Senat nr. 52 martie 2015										

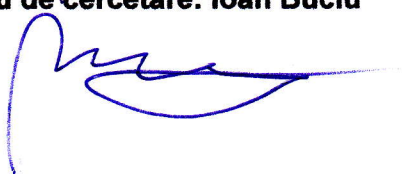
**10. CENTRALIZATOR PUNCTAJ CENTRU DE CERCETARE (a se lista pe o singura pagina)
CU EXCEPȚIA DOMENIILOR ARTE ȘI MUZICĂ**

Capitol	Paragraf	Subparagraf	Punctaj	Punctaj / membru
4				
	4.1			
		4.1.1	3210	3210/31 = 103.54
		4.1.2	1970	1970/31 = 63.54
		4.1.3	0	
	Total punctaj 4.1.		5180	167.08
	4.2			
		4.2.1	0	
		4.2.2	0	
	Total punctaj 4.2.		0	
	4.3			
		4.3.1	0	
	Total punctaj 4.3		0	
Total punctaj cap. 4			5180	167.08
5				
	5.1		85	85/31 = 2.74
	5.2		25	25/31 = 0.80
	5.3		0	
Total punctaj cap. 5			110	3.54
6				
	6.1		1060	1060/31 = 34.19
	6.2		20	20/31=0.64
	6.3		x	
	6.4		x	
	6.5		20	20/31 = 0.64
	6.6		290	290/31 = 9,35
Total punctaj cap. 6			1370	44.82
Punctaj general centru: 4+5+6			6660	215.44

Data: 15.04.2023

Director Centru de cercetare: Ioan Buciu

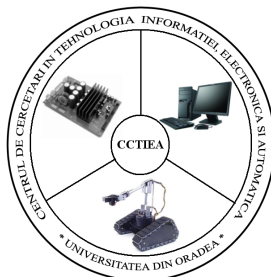
Semnatura



II. Modul de organizare și Statutul de funcționare a Centrului de Cercetare.

1. Denumirea, participanți, structura, forma juridică, sediul, durata de activitate

II.1.1. Denumirea: „**Centrul de Cercetare în Tehnologia Informației, Electronică și Automatică**”, denumire reprezentată în continuare prin acronimul **CCTIEA** și sigla:



- CCTIEA este o entitate de cercetare științifică și dezvoltare tehnologică autonomă din cadrul **Universității din Oradea**, subordonată **Departamentelor de Calculatoare, Electronică și Telecomunicații, și Ingineria Sistemelor Automate și Management** din cadrul **Facultății de Inginerie Electrică și Tehnologia Informației**;
- CCTIEA cuprinde în structura sa cadre didactice universitare, cercetători, doctoranzi și studenți din ciclul de licență și masterat cu preocupări în domeniul științelor ingineresti;
- CCTIEA este reprezentat juridic prin Universitatea din Oradea, în conformitate cu regulamentul de organizare internă a centrului;
- CCTIEA este reprezentat pe plan administrativ de către director;
- CCTIEA este o structură autonomă, neguvernamentală, apolitică, cu profil profesional, științific și educațional;
- Sediul CCTIEA este la Universitatea din Oradea, Str. Universității nr.1, Pavilion V, sala V212, Tel. +40 259 408 667 Fax: +40 259 408 667, E-mail: ibuciu@uoradea.ro,

pagina web: <https://www.uoradea.ro/Centre%20de%20cercetare>

II.1.2. Participanți: Membrii **Departamentului de Calculatoare, Departamentului de Electronică și Telecomunicații, și Departamentului de Ingineria Sistemelor Automate și Management** din cadrul **Facultății de Inginerie Electrică și Tehnologia Informației, Universitatea din Oradea**, cat și studenții la doctorat.

II.1.3. Structura: Centrului îndeplinește cerințele cuprinse în “**Procedura pentru înființarea, evaluarea și ierarhizarea centrelor de cercetare**” de la nivel de universitate.

Centrul de cercetare este subordonat **Departamentelor de Calculatoare, Electronică și Telecomunicații, și Ingineria Sistemelor Automate și Management /Facultatea de Inginerie Electrică și Tehnologia Informației** având următoarea organizare:

- Conducerea CCTIEA este asigurată de Biroul științific al centrului, reprezentat prin director, care coordonează și gestionează problemele curente ale acestuia;
- Activitatea de cercetare științifică se desfășoară în cadrul colectivelor de cercetare: Colectiv de cercetare în Tehnologia Informației, Colectiv de cercetare în Inginerie Electronică și Telecomunicații, Colectiv de cercetare în Sisteme Automate și Acționări Electrice;
- Conducerea colectivelor de cercetare este asigurată de către un responsabil de proiecte.

II.1.4. Forma juridică: **Centru de cercetare în cadrul Universității din Oradea/Facultatea de Inginerie Electrică și Tehnologia Informației**, subordonat **Departamentelor de Calculatoare, Electronică și Telecomunicații, și Ingineria Sistemelor Automate și Management**.

II.1.5. Durata de activitate: **nelimitată**

2. Scopul și necesitatea constituirii

CCTIEA are ca scop:

- cercetarea științifică fundamentală și aplicativă și valorificarea rezultatelor cercetării din programe, granturi și contracte de cercetare-dezvoltare, prin realizarea de produse, studii, servicii și tehnologii, precum și publicarea rezultatelor cercetării în reviste de specialitate, simpozioane, conferințe și workshopuri naționale și internaționale;
- promovarea centrului pentru a deveni un centru de referință, înglobând întreaga activitate de cercetare a membrilor centrului în ariile de cercetare ale centrului;

- promovarea interacțiunii între cercetătorii centrului și alți cercetători din cadrul Universității din Oradea și stimularea dialogului științific și profesional cu alți cercetători la nivel național și internațional, prin promovarea de parteneriate și co-publicarea rezultatelor activității de cercetare împreună cu alte centre de cercetare;
 - formarea de cercetători și cadre didactice tinere și a studenților masteranzi și doctoranzi în vederea dezvoltării competențelor profesionale și științifice;
 - dezvoltarea de produse, servicii și tehnologii pe care să le valorifice în mediul industrial, asigurând creșterea competitivității științifice și tehnologice a partenerilor industriali cu care colaborează;
 - diseminarea rezultatelor cercetării în mediul academic sau universitar din ariile de cercetare, asigurând formarea continuă, postuniversitară în conformitate cu cerințele de pe piața muncii;
- implicarea membrilor centrului în programe prioritare de cercetare pe plan național și internațional în vederea creșterii potențialului și capacității științifice și profesionale a membrilor centrului.

3. Obiect de activitate

- arhitectura, testarea, optimizarea fiabilității și a performanțelor sistemelor de calcul;
- securitatea informațiilor în rețele de calculatoare;
- dezvoltarea aplicațiilor de control în timp real;
- procesarea imaginilor, inteligență artificială, calcul neural și aplicații ale acestora;
- sisteme de gestiune a bazelor de date și dezvoltarea tehnicilor data mining;
- electronică aplicată și de putere;
- prelucrarea și analiza semnalelor multidimensionale;
- telecomunicații;
- tehnologii audio-video;
- crio-electronică;
- expertiză și consultanță în domeniul electronicii și telecomunicațiilor;
- analiza proceselor;
- sisteme de acționare electrică;
- sisteme de reglare;
- conducerea roboților și a liniilor de fabricație flexibile, roboți mobili;
- proiectarea asistată a sistemelor automate, ingineria calității și fiabilitatea acestora ;
- cercetări privind dependabilitatea în conducerea proceselor cu automate programabile ;
- elemente și metode de conducere inteligentă;
- imagistica medicală
- securitatea datelor personale

4. Planurile anuale de cercetare

Domenii de cercetare (conform Strategiei Naționale de CDI și Specializare Inteligentă 2022-2027)

- 4.1. Digitalizare, industrie și spațiu
- 4.2. Sănătate
- 4.3 Securitate civilă pentru societate

Teme / Direcții de cercetare științifică

- 4.1.1 Tehnologii audio-video
- 4.1.2 Expertiză și consultanță în domeniul electronicii și telecomunicațiilor
- 4.1.3 Securitatea informațiilor în rețele de calculatoare
- 4.2.1 Procesarea imaginilor, inteligență artificială, calcul neural și aplicații
- 4.2.3 Prelucrarea și analiza semnalelor multidimensionale
- 4.2.3 Sisteme de gestiune a bazelor de date și dezvoltarea tehnicilor data mining
- 4.3.1 Securitatea datelor personale
- 4.3.2 Analiza proceselor

5. Principii de organizare și funcționare, Organigrama

II.4.1. Conducerea **CCTIEA** este asigurată de: biroul științific al centrului, reprezentat prin directorul centrului.

II.4.2. Biroul științific al centrului are următoarele atribuții:

- a) analizează și aprobă orientarea generală a programului anual de activitate a centrului;
- b) elaborează raportul economic și științific privind îndeplinirea programului anual.

II.4.3. Biroul științific al centrului (în număr de 7 membri) se alege dintre membrii centrului pentru o perioadă de patru ani.

II.4.4. Biroul științific al centrului organizează și coordonează întreaga activitate a centrului, reprezentat prin director, răspunde de activitatea centrului în fața Senatului Universității și se întrunește odată pe trimestru sau ori de câte ori este necesar. Biroul științific al centrului ia decizii (în urma consultarea membrilor centrului) cu majoritate simplă de voturi. Hotărârile adoptate sunt obligatorii pentru toți membri CCTIEA.

II.4.5. Biroul științific al centrului are următoarele atribuții:

- a) propune spre aprobare Consiliului facultății pe directorul centrului;
- b) coordonează activitatea de cercetare a personalului angajat;
- c) analizează și aprobă planul de activitate anual și de perspectivă al centrului, precum și programul de activitate strategic;
- d) ia hotărâri în toate problemele științifice, organizatorice și financiare;
- e) aprobă activitatea și hotărârile luate.

II.4.6. Biroul științific al centrului este format din: director, șefii departamentelor implicate (în număr de 3) și responsabili de colective de cercetare (în număr de 3), dintre care se va alege secretarul științific.

II.4.7. Directorul/secretar științific reprezintă centrul în relațiile acestuia cu instituții din țară sau străinătate.

II.4.8. Directorul centrului are următoarele atribuții:

- a) reprezintă centrul în raporturile de colaborare de orice fel;
- b) organizează și răspunde de întreaga activitate a centrului în vederea îndeplinirii hotărârilor, respectiv ale deciziilor în Biroul științific.

II.4.9. Directorul centrului este propus și ales de reprezentanții departamentelor implicate din Biroul științific (în număr de 6, adică șefii departamentelor și responsabili de colective de cercetare) și aprobat de Consiliul facultății, o dată la 4 ani.

II.4.10. Angajarea personalului se face în funcție de necesitățile impuse de volumul de lucru al centrului, pe bază de contract de muncă sau redistribuire.

II.4.11. Nivelul de salarizare a personalului angajat se stabilește în funcție de studii, munca efectiv prestată, cu respectarea limitei minime de salarizare, prevăzută de lege.

5. Patrimoniul Centrului de Cercetare

II.5.1. Bunurile materiale din dotarea centrului sunt în proprietatea Universității din Oradea.

II.5.2. Rezultatele științifice ale cercetărilor precum și tehnologiile, proiectele tehnice noi, brevetele de invenții, obiectele fizice achiziționate sau realizate pe parcursul derulării contractelor finanțate din fonduri publice aparțin centrului, dacă prin contract nu s-au prevăzut alte clauze.

II.5.3. Patrimoniul CCTIEA se constituie din:

- echipamente, instalații, software, cărți și documentații obținute din contracte de cercetare științifică, din alte fonduri obținute în urma activității de cercetare precum și din proiecte, granturi câștigate la nivel național;
- donații și sponsorizări în beneficiul centrului;
- alte obiecte de patrimoniu rezultate din acțiunea liber consimțită a membrilor centrului.

II.5.4. Pentru buna derulare a activității sale centrul va uza de mijloace cum sunt:

- donații, finanțări și sponsorizări în lei sau valută de la persoane fizice sau juridice române sau străine în conformitate cu reglementările legale în vigoare și cu regulamentele interne ale Universității din Oradea;
- activități de autofinanțare derulate de către colectivul centrului în conformitate cu obiectivele generale ale centrului în conformitate cu reglementările legale în vigoare și cu regulamentele interne ale Universității din Oradea;
- donații de bunuri materiale necesare și utile centrului, primite de la persoane fizice sau juridice române sau străine, în conformitate cu reglementările legale în vigoare și cu regulamentele interne ale Universității din Oradea;
- mijloace proprii ale centrului obținute din activitățile desfășurate conform legii, având ca scop obținerea de fonduri pentru centru de cercetare, respectând reglementările legale în vigoare și regulamentul intern ale Universității din Oradea.

II.5.5. Resursele CCTIEA vor fi alocate, cu respectarea dispozițiilor legale în vigoare, pentru îndeplinirea obiectivelor centrului, putând antrena următoarele tipuri de cheltuieli:

- a) retribuirea membrilor centrului conform legislației în vigoare;
- b) dezvoltarea bazei materiale proprii;
- c) taxe pentru participarea la manifestări naționale și internaționale;
- d) burse de cercetare și instruire;
- e) acoperirea cheltuielilor de organizare și funcționare a centrului;
- f) editarea de publicații, studii sau alte materiale în conformitate cu obiectivele centrului;
- g) taxe de participare ca membru în organisme de profil;
- h) orice alte cheltuieli necesare bunei desfășurări a activității centrului de cercetare.

II.5.6. Veniturile, bunurile imobile și mobile ce vor fi dobândite în cadrul activităților inițiale, în conformitate cu prevederile legale se constituie în patrimoniu al CCTIEA.

6. Reglementări financiare

II.6.1. Activitatea CCTIEA se autofinanțează.

10.6.2. Principalele surse de finanțare ale centrului sunt programele, granturile și contractele de cercetare-dezvoltare încheiate cu diverși beneficiari (Ministerul Educației și Cercetării, CNCSIS, ANCS, agenți economici și alții).

- directorul de proiect este ordonatorul financiar al proiectului;
- operațiunile financiare sunt efectuate de un contabil autorizat (angajat al centrului sau angajat al serviciului contabilitate a Universității din Oradea;
- rezultatele cercetărilor care aparțin centrului se înregistrează în evidența contabilă, conform prevederilor legale. Registrele contabile sunt ținute la sediul centrului și al Universității din Oradea.

II.6.3. Personalul de cercetare care participă la realizarea proiectelor de cercetare finanțate este salarizat, în conformitate cu normele legale din sursele prevăzute și aprobate în devizele proiectelor la capitolul cheltuieli salariale. Acesta poate beneficia și de mobilități de cercetare cuprinse și aprobate în devizul proiectelor la capitolul mobilități.

II.6.4. Participarea la manifestările științifice din țară sau străinătate poate fi sprijinită proporțional cu veniturile din cercetarea științifică ale fiecărui colectiv din cadrul CCTIEA. Cererile sunt aprobate, în limita fondurilor disponibile prin finanțarea proiectelor de cercetare aflate în desfășurare, în cadrul Biroului științific și vizate de directorul centrului și directorul de proiect.

II.6.5. Veniturile proprii ale centrului realizate din proiecte, contracte de cercetare științifică se evidențiază în cont distinct la bancă.

- Ordonatorul financiar al veniturilor centrului este directorul centrului;
- Ordonatorul financiar al proiectului de cercetare în curs de desfășurare este directorul acelui proiect.

II.6.6. Veniturile proprii prevăzute la punctul 6.5. vor fi utilizate în scopul dezvoltării bazei materiale proprii de cercetare și pentru plata membrilor contractelor de cercetare în desfășurare.

II.6.7. Din veniturile proprii se pot finanța, prin decizia biroului științific al centrului și cu acordul ordonatorului financiar al proiectului de cercetare în discuție, categoriile de cheltuieli prevăzute la pct.10.5.5.

II.6.8. Veniturile realizate și neutilizate la finele anului se reportează cu aceeași destinație în anul următor.

II.6.9. Fiecare proiect, grant și contract de cercetare științifică constituie obiect distinct de evidență în contabilitate.

II.6.10. Reglementările financiare sunt în concordanță cu Procedura privind elaborarea și execuția bugetului de venituri și cheltuieli a Universității.

II.6.11. Nerespectarea prevederilor legale privind modul de cheltuire al fondurilor destinate cercetării științifice atrage, după caz, răspundere penală, civilă, materială sau administrativă a directorului / directorului de proiect.

7. Dispoziții finale

II.7.1. Centrul poate avea însemne proprii și se poate transforma în persoană juridică prin hotărârea Biroului Științific al centrului, cu respectarea dispozițiilor legale în vigoare.

II.7.2. Prezentul statut, în cazul în care centrul își modifică obiectul de activitate sau sediul, va putea fi modificat cu avizul membrilor centrului de cercetare.

II.7.3. Înțetarea activității centrului poate avea loc în cazul neîndeplinirii scopului și obiectivelor pentru care a fost înființat sau dacă un număr însemnat de membri ai centrului hotărăsc să-l părăsească. Înțetarea activității centrului poate avea loc prin hotărârea Biroului Științific al centrului.

II.7.4. Orice persoană care dorește să activeze în cadrul CCTIEA trebuie să recunoască statutul și modul de organizare și să obțină aprobarea cererii de admitere de către biroul științific al centrului.

II.7.5. Eventualele litigii ivite între centru și alte persoane fizice sau juridice se vor soluționa prin intermediul competenței juridice a Universității din Oradea, conform normelor legale.

II.7.6. Statutul intră în vigoare de la data aprobării lui de către Senatul Universității.

Centralizator cu membrii din CC

la data 01.03.2021

Conform PROCEDURII pentru înființarea, evaluarea și ierarhizarea centrelor de cercetare Pct. 4.5. „O persoană nu poate fi director/membru decât într-un singur CC”.

Persoanele din tabelul de mai jos fac parte din membrii CC „Centrul de Cercetare în Tehnologia Informației, Electronică și Automatică”.

Nr. crt.	Numele și prenumele	Grad științific învățământ	E-mail	Semnătura
1	Burca Adrian <i>Șef colectiv de cercetare Electronică și Telecomunicații</i>	Șef lucrări.dr./CS I	aburca@uoradea.ro	
2	Moisi Elisa Valentina <i>Șef colectiv de cercetare Calculatoare și Tehnologia Informației</i>	Conf.univ.dr./CS I	emoisi@uoradea.ro	
3	Silaghi Helga <i>Șef colectiv de cercetare Sisteme Automate și Acționări Electrice</i>	Prof.univ.dr./CS I	hsilaghi@uoradea.ro	
4	Curilă Sorin	Prof.univ.dr./CS I	scurila@uoradea.ro	
5	Trip Daniel	Prof.univ.dr./CS I	dtrip@uoradea.ro	
6	Grava Cristian	Prof.univ.dr./CS I	cgrava@uoradea.ro	
7	Gyorodi Cornelia	Prof.univ.dr./CS I	cgyorodi@uoradea.ro	
8	Gyorodi Robert	Prof.univ.dr./CS I	rgyorodi@uoradea.ro	
9	Popescu Daniela Elena	Prof.univ.dr./CS I	depopescu@uoradea.ro	
10	Gordan Cornelia	Prof.univ.dr./CS I	cgordan@uoradea.ro	
11	Zmaranda Doina	Prof.univ.dr./CS I	dzmaranda@uoradea.ro	
12	Barabás Tiberiu	Conf.univ.dr./CS II	tbarabas@uoradea.ro	
13	Gabor Gianina	Conf.univ.dr./CS II	gianina@uoradea.ro	
14	Gergely Eugen	Conf.univ.dr./CS II	egergely@uoradea.ro	
15	Moldovan Liviu	Conf.univ.dr./CS II	liviu@uoradea.ro	
16	Novac Ovidiu	Conf.univ.dr./CS II	ovnovac@uoradea.ro	
17	Tonț Gabriela	Conf.univ.dr./CS II	gtont@uoradea.ro	
18	Buciu Ioan	Conf. dr./CS III	ibuciu@uoradea.ro	
19	Dale Sanda	Șef lucrări dr./CS III	sdale@uoradea.ro	
20	Gavriluț Ioan	Șef lucrări dr./CS III	gavrilut@uoradea.ro	
21	Poszet Otto	Șef lucrări dr./CS III	poszet@uoradea.ro	
22	Reiz Romulus	Șef lucrări dr./CS III	rreiz@uoradea.ro	
23	Spoială Viorica	Șef lucrări dr./CS III	vspoiala@uoradea.ro	
24	Șchiop Adrian	Șef lucrări dr./CS III	aschiop@uoradea.ro	
25	Costea Claudiu Raul	Șef lucrări dr./CS III	ccostea@uoradea.ro	
26	Pater Mirela	Conf.univ.dr./CS II	mpater@uoradea.ro	
27	Mircea Petru Ursu	Șef lucrări dr./CS III	mpursu@uoradea.ro	
28	Răzvan Albu	Șef lucrări dr./CS III	ralbu@uoradea.ro	
29	Țepelea Laviniu	Șef lucrări dr./CS III	laviniut@gmail.com	
30	Popa Daniel	Doctorand / CS III	popa.daniel@gmail	
31	Marcu David	Doctorand / CS III	david@marcunet.com	

Director CC
Buciu Ioan
Semnătură

Prezentarea centrului

1. Numele centrului: Centrul de Cercetare în Tehnologia Informației, Electronică și Automatică

2. Logo:



3. Scurta prezentare a centrului: Centrul de Cercetare în Tehnologia Informației, Electronică și Automatică (CCTIEA) este o entitate de cercetare științifică și dezvoltare tehnologică autonomă din cadrul **Universității din Oradea**, subordonată **Departamentelor de Calculatoare, Electronică și Telecomunicații, și Ingineria Sistemelor Automate și Management** din cadrul **Facultății de Inginerie Electrică și Tehnologia Informației**. CCTIEA cuprinde în structura sa cadre didactice universitare, cercetători, doctoranzi și studenți din ciclul de licență și masterat cu preocupări în domeniul științelor ingineresti.

4. Misiunea unitatii de cercetare dezvoltare, directiile de cercetare, dezvoltare, inovare:

Misiunea centrului de cercetare este cercetarea științifică fundamentală și aplicativă în domeniul calculatoarelor, electronicii, telecomunicațiilor, sistemelor automate și al acționărilor electrice. Prin crearea centrului de cercetare-dezvoltare se urmărește: asigurarea unei oferte diversificate de servicii publice ce au legătură cu domeniile de activitate ale centrului, dezvoltarea unui parteneriat puternic cu mediul economic, realizarea de expertize și consultanță de specialitate, organizarea unor cursuri de formare profesională pentru tinerii cercetători, etc.

5. Directiile de cercetare:

- arhitectura, testarea, optimizarea fiabilității și a performanțelor sistemelor de calcul;
- securitatea informațiilor în rețele de calculatoare;
- dezvoltarea aplicațiilor de control în timp real;
- procesarea imaginilor, inteligență artificială, calcul neural și aplicații ale acestora;
- sisteme de gestiune a bazelor de date și dezvoltarea tehnicilor data mining;
- electronică aplicată și de putere;
- prelucrarea și analiza semnalelor multidimensionale;
- telecomunicații;
- tehnologii audio-video;
- crio-electronică;
- expertiză și consultanță în domeniul electronicii și telecomunicațiilor;
- analiza proceselor;
- sisteme de acționare electrică;
- sisteme de reglare;
- conducerea roboților și a liniilor de fabricație flexibile, roboți mobili;
- proiectarea asistată a sistemelor automate, ingineria calității și fiabilitatea acestora;
- cercetări privind dependabilitatea în conducerea proceselor cu automate programabile; elemente și metode de conducere inteligentă.
- Securitatea datelor personale

6. Valorificarea rezultatelor de cercetare, dezvoltare, inovare și gradul lor de recunoaștere:

- Participarea în programe de cercetare-dezvoltare naționale și internaționale.
- Elaborarea de lucrări științifice publicate în reviste de specialitate cotate ISI/BDI, prezentate la conferințe/simpozioane naționale și internaționale.
- Elaborarea de cărți de specialitate/monografii, capitole din cărți și cursuri universitare în domeniile prioritare.
- Elaborarea de studii și rapoarte pentru domeniile de competență ale centrului.
- Organizarea de seminarii, cursuri de specialitate pentru formarea profesională a tinerilor cercetători și specialiști din mediul industrial, local și regional.
- Participarea studenților, masteranzilor și doctoranzilor în programele de cercetare.
- Realizarea de modele experimentale, simulări pe calculator, integrarea rezultatelor cercetării în alte domenii tehnice.
- Creșterea nivelului științific și de instruire a participanților.
- Prin rezultatele obținute, centrul va contribui la creșterea competitivității și vizibilității cercetării românești.

În data de 27 septembrie 2019, membrii Centrului CCTIEA au avut un rol important, în diseminarea rezultatelor cercetării și a creșterii gradului de vizibilitate a activității de cercetare, prin participarea la evenimentul „Noaptea Cercetătorilor. Mai exact, Centrul de Cercetare în Tehnologia Informației, Electronică și Automatică –CCTIEA, a avut expuse la standul de prezentare următoarele exponate:

Participant	Stand / Aplicație
Prof.dr.ing. Helga Silaghi Student Mihok Eduard Student Ecsedi Eveline	Labirinth and robot maze
ing. Codoban Adrian	Robot mobil comandat prin bluetooth
Ș.l. dr. ing. Țepelea Lavinia student masterand ing. Kovács Gábor	Braț robotic comandat cu Arduino
Ș.l. dr.ing. Ioan Gavriluț student masterand ing. Tunyogi Dávid	Amplificator de audio frecvență de putere în clasă AB, 2 x 70W
prof.dr.ing. Alexandrina Pater Student Pop Vasile Alexandru	Consolă portabilă de jocuri cu Raspberry Pi
prof.dr.ing. Alexandrina Pater Student Sumutiu Ovidiu	Robot autonom comandat prin Bluetooth de pe telefonul mobil

7. Echipamente / Sisteme de calcul / Software:

A. Echipamente

A1.1. Nume: Procesor numeric de semnal

A1.2. Caracteristici, performanțe:

TMS 320C6416TZLZ

– 1.67-/1.39-/1.17-/1-ns Instruction Cycle

– 600-/720-/850-MHz, 1-GHz Clock Rate

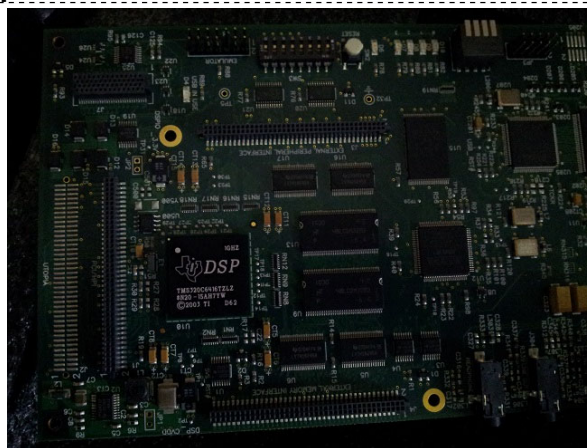
– Opt 32-Bit Instrucțiuni/Ciclu

– 28 Operații/Ciclu

– 4800, 5760, 6800, 8000 MIPS

– Fully Software-Compatible With C62x

A1.3. Domenii de aplicabilitate: analiza și prelucrarea semnalelor 1D și 2D (ex. transformate FFT, operații de adunare, multiplexare, analiza spectrală, etc).



A1.4. Sursa de finanțare: CEEX
A1.5. Valoare estimată: 1578 lei
A1.6. Anul achiziției: 2008

A2.1. Nume: Kit de dezvoltare pentru procesor numeric de semnal

A2.2. Caracteristici, performanțe:
TMS320VC5510 DSK

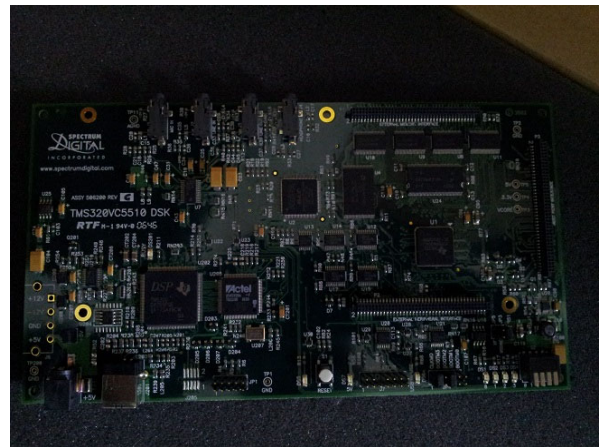
- frecvență 200 MHz
- 400 milioane instrucțiuni / secundă
- codec stereo AIC23
- 8Mbit de DRAM
- 512 Kb memorie flash nevolatilă
- sursa de putere de + 5V

A2.3. Domenii de aplicabilitate: playere audio digitale, recunoaștere vocală, receptoare GPS, recunoaștere de forme, biometrie.

A2.4. Sursa de finanțare: POSDRU 61756

A2.5. Valoare estimată: 2041 lei

A2.6. Anul achiziției: 2011



A3.1. Nume: Platformă digitală de dezvoltare video TMDSDVP648

A3.2. Caracteristici, performanțe:

- Silicon Core Number: DM648
- Kit Application Type: Audio / Video / TV
- Application Sub Type: Digital Video Processor
- Silicon Family Name: DaVinci

A3.3. Domenii de aplicabilitate: dezvoltare de aplicații cu secvențe video (codare, decodare etc)

A3.4. Sursa de finanțare: POSDRU 61756

A3.5. Valoare estimată: 4503 lei

A3.6. Anul achiziției: 2011



A4.1. Nume: Sistem de dezvoltare video – Leopardboard 355 (2 bucati)

A4.2. Caracteristici, performanțe:

- include un procesor digital TMS320DM355 DaVinci
- codec compatibil MPEG4 HD și JPEG (50 Mpixels/ secundă)
- 2Gb Micron NAND Flash (256 M x 8 bit)
- 1 Gb micron DDR 2 SDRAM
- Camera VGA CMOS
- codec audio TLV320AIC3194

A4.3. Domenii de aplicabilitate: aplicații audio, aplicații de securitate, aplicații de imagistică și aplicații video.

A4.4. Sursa de finanțare: POSDRU 61756

A4.5. Valoare estimată: 3038 lei

A4.6. Anul achiziției: 2013



A5.1. Nume: Placa de captura video
Snazzi DV Bridge II

A5.2. Caracteristici, performanțe:

- Conversie diferite formate (DV, DV – CAM, i-Link
- VHS, Hi – 8, Video – 8
- stergere cadre intermediare din secvențe video
- efecte digitale
- compatibil cu standard video și software (Premiere Pro, Media Studio Pro, Movie Maker, etc.

A5.3. Domenii de aplicabilitate: conversie analog – format DV în timp real, captură DV din sursă AV/DV, DV – CAM.

A5.4. Sursa de finanțare: POSDRU 61756

A5.5. Valoare estimată: 163,95 lei

A5.6. Anul achiziției: 2013



A6.1. Nume: Placa de achiziție video
HDMI – USB3

A6.2. Caracteristici, performanțe:

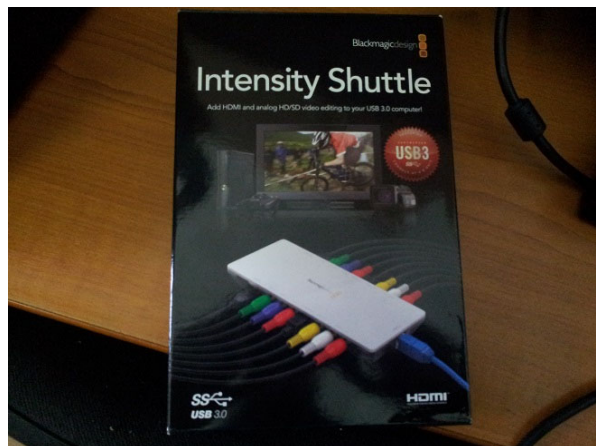
- Model Intensity Shuttle
- Format HDMI
- editare video de tip analog și digitală (în format SD și HD)
- captură și playback de cea mai bună calitate
- compatibil cu PCI și USB 3.0.

A6.3. Domenii de aplicabilitate: Captură în format necomprimat 1080 HD și editare video pentru diferite rezoluții.

A6.4. Sursa de finanțare: POSDRU 61756

A6.5. Valoare estimată: 1150,71 lei

A6.6. Anul achiziției: 2013



A7.1. Nume: Osciloscop Tektronix TDS 1001B

A7.2. Caracteristici, performanțe:

- 100 MHz
- rată de eșantionare de până la 1 GS/s
- conectivitate USB
- oferă 12 măsurători automate
- analiză Fourier.

A7.3. Domenii de aplicabilitate: Diferite măsurători ale valorilor semnalelor și ale formelor de undă, analiză spectrală.

A7.4. Sursa de finanțare: POSDRU 61756

A7.5. Valoare estimată: 2973,81 lei

A7.6. Anul achiziției: 2013



A8.1. Nume: Osciloscop Sefram 54102 DC (2 bucati)

A8.2. Caracteristici, performanțe:

- 100 MHz, 2 canale
- rata de esantionare de pana la 1 GS/s
- rezolutie verticala 8 bit
- memorie 2M / canal
- conectivitate USB.

A8.3. Domenii de aplicabilitate: Diferite masuratori ale valorilor semnalelor si ale formelor de unda, analiza spectrala.

A8.4. Sursa de finanțare: HURO – RENERG – 0802/083

A8.5. Valoare estimată: 5983 lei

A8.6. Anul achiziției: 2012



A9.1. Nume: Analizor spectral – Hameg – HMS 1010

A9.2. Caracteristici, performanțe:

- Frecvente: 100 kHz...1.6 GHz
- Valori masurate: -114...+20 dBm
- Banda video 10 Hz...1 MHz in 1–3 Pasi
- modulator demodulator AM FM integrat
- conectivitate USB.

A9.3. Domenii de aplicabilitate: Analiza spectrala de inalta fidelitate a semnalelor.

A9.4. Sursa de finanțare: HURO – RENERG – 0802/083

A9.5. Valoare estimată: 14 235,20 lei

A9.6. Anul achiziției: 2012



A10.1. Nume: Videoproiector Acer P1165

A10.2. Caracteristici, performanțe:

- Lumeni 2400
- Rezolutie 800 x 600
- Conectori 1 x DVI, 1 x S-Video, RCA, 1 x USB
- nivel zgomot 3 dB

A10.3. Domenii de aplicabilitate: Prezentari rezultate cercetare.

A10.4. Sursa de finanțare: Grant 473/2007

A10.5. Valoare estimată: 2091lei

A10.6. Anul achiziției: 2007



A10.1. Nume: Roboți miniatura „Robby RP5”cu accesorii

A10.2. Caracteristici, performanțe:

- senzori de contact
- senzori de sunet

A10.3. Domenii de aplicabilitate: testarea în timp real a unor algoritmi de recunoaștere vizuală a formelor și ghidarea robotilor pe baza acestor algoritmi.

A10.4. Sursa de finanțare: Grant 473/2007

A10.5. Valoare estimată: 1738 lei

A10.6. Anul achiziției: 2007



A11.1. Nume: **XBee Wifi Cloud Kit**

A11.2. Caracteristici, performanțe:

1XBee Wi-Fi (S6B) Module

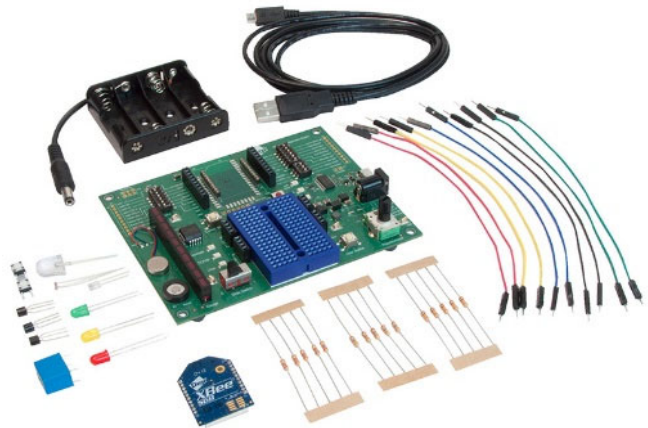
1XBee USB Development Board w/
Breadboard

A11.3. Domenii de aplicabilitate: **aplicații de dezvoltare fără fir.**

A11.4. Sursa de finanțare: Fond privat

A11.5. Valoare estimată: 142 Euro

A11.6. Anul achiziției: 2015



A12.1. Nume: Stand acționări electrice cu mașina asincronă alimentată cu convertor de frecvență SIMOVERT-VC de la firma FROSYS

A12.2. Caracteristici, performanțe:

Serial number: 6SE7016-1EA61

Intrare: 380-480 V; 50/60 Hz

Ieșire: 380-480 V; 0-600 Hz

Z min: 1%

A12.3. Domenii de aplicabilitate:

implementarea controlului vectorial fără senzori a mașinii de inducție; studiul calității energiei și al circulației puterilor în sistemele de acționare electrică cu mașină de inducție și convertor de frecvență.

A12.4. Sursa de finanțare: Universitatea din Oradea

A12.5. Valoare estimată: 5000 euro

A12.6. Anul achiziției: 1998



A13.1. Nume: Stand cu mașină asincronă și convertor static de frecvență LUKAS NULE KERPEN

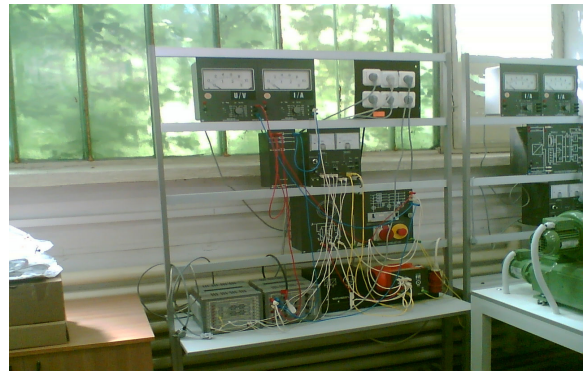
A13.2. Caracteristici, performanțe:

A13.3. Domenii de aplicabilitate: conducerea de la calculator a unei acționări electrice cu mașină asincronă alimentată prin convertor de frecvență și modificarea vitezei mașinilor electrice cu convertoare.

A13.4. Sursa de finanțare: Universitatea din Oradea

A13.5. Valoare estimată: 3000 euro

A13.6. Anul achiziției: 1994



A14.1. Nume: Sistem flexibil de fabricație CIM - 2000 - DEGEM SYSTEM, ISRAEL, compus din: stație pneumatică PN 2800, magazie automată ST 2000, stație de prelucrare - FMS, stație de control de calitate VI 2000 deservite de robotul RV - M1, compresor.

A14.2. Caracteristici, performanțe:

Dimensiune: 7mx5mx2m.

Tip robot: RV-M1

EP-ROM: 256K-ROM

A14.3. Domenii de aplicabilitate: comanda multipunct a robotului RV-M1, controlul pieselor cu robotul RV-M1 utilizând paletizarea bidimensională, programarea robotului RV-M1 pentru realizarea unei operații de montaj, comanda unui motor pneumatic liniar cu microcalculatorul Blue Earth, comanda în buclă închisă a mișcării de poziționare a unui motor pneumatic liniar.

A14.4. Sursa de finanțare: Universitatea din Oradea

A14.5. Valoare estimată: 120.000 dolari

A14.6. Anul achiziției: 1993



A15.1. Denumire: Automat programabil

A15.2. Caracteristici, performanțe:

Automat programabil TI 305 – Texas Instruments, SUA compus din sertare de bază, modul unitar centrală 330-37, interfață de comunicație cu PC, programator manual, module I/E discrete și analogice.

A15.3. Domenii de aplicabilitate: programarea cu stări a automatului programabil, programarea off-line și on-line a automatului programabil prin intermediul TISOFT.

A15.4. Sursa de finanțare:



A15.5. Valoare estimată:

A15.6. Anul achiziției:

B. Sisteme de calcul

B 1.1. Nume: Laptop ACER Aspire

B 1.2. Caracteristici, performanțe:

- Windows 7 Home Premium
- Procesor 2020 M (Intel Pentium)
- Memorie 4 GB
- Capacitate HD – 500 GB
- analiza Fourier.

B 1.3. Domenii de aplicabilitate: Diferite masuratori ale valorilor semnalelor si ale formelor de unda, analiza spectrala.

B 1.4. Sursa de finanțare: POSDRU 61756

B 1.5. Valoare estimată: 3110,61 lei

B 1.6. Anul achiziției: 2013



B 2.1. Nume: Laptop Fujitsu Siemens Tip II Amilpro

B 2.2. Caracteristici, performanțe:

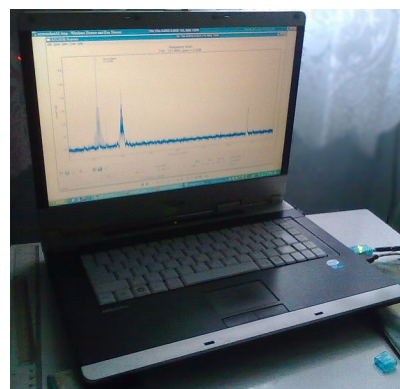
- Intel Core Duo T2300 (1.66 GHz, 667 MHz FSB, 2 MB L2-cache)
- GB (2 x 512 MB DDR2 533 MHz)
- Hard drive: 2 x 80 GB

B 2.3. Domenii de aplicabilitate: Programare, simulare, analiza semnale.

B 2.4. Sursa de finanțare: PI – Grant 479/2006 - 2008

B 2.5. Valoare estimată: 1940,72 lei

B 2.6. Anul achiziției: 2007



B 3.1. Nume: Laptop HP NX 7400 T 5600

B 3.2. Caracteristici, performanțe:

- Intel Core 2 Duo frecventa de 1.83Ghz
- Intel 950 UMA cu 224MB memorie share– Hard drive: 2 x 80 GB
- HDD 100 GB

B 3.3. Domenii de aplicabilitate: Programare, simulare, analiza semnale.

B 3.4. Sursa de finanțare: Buget MEC

B 3.5. Valoare estimată: 3987,75 lei

B 3.6. Anul achiziției: 2007



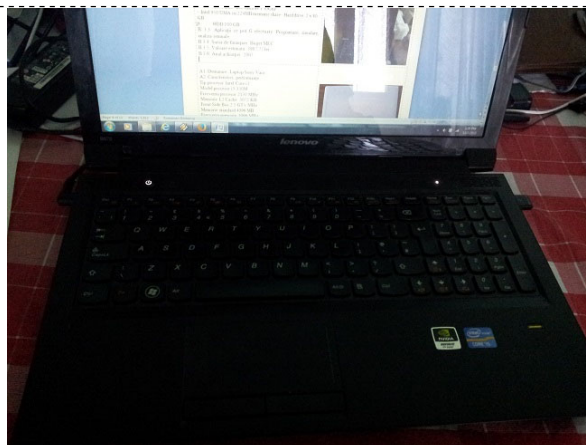
B 4.1. Nume: Lenovo (**4 bucati**)
 B 4.2. Caracteristici, performanțe:
 – Windows 7 - profesional
 – Intel i5 – 2439M CPU, 2.40 GHz
 -RAM 4 GB
 - HDD 100 GB

B 4.3. Domenii de aplicabilitate:
 Programare, simulare, analiza semnale.

B 4.4. Sursa de finanțare: Grant PN II/645

B 4.5. Valoare estimată: 2990 lei

B 4.6. Anul achiziției: 2011



B5.1. Nume: Laptop Sony Vaio

B 5.2. Caracteristici, performanțe:

Tip procesor Intel Core i3

Model procesor i3-330M

Frecventa procesor 2130 MHz

Memorie L2 Cache: 3072 KB

Front Side Bus 2.5 GT/s MHz

Memorie standard 4096 MB

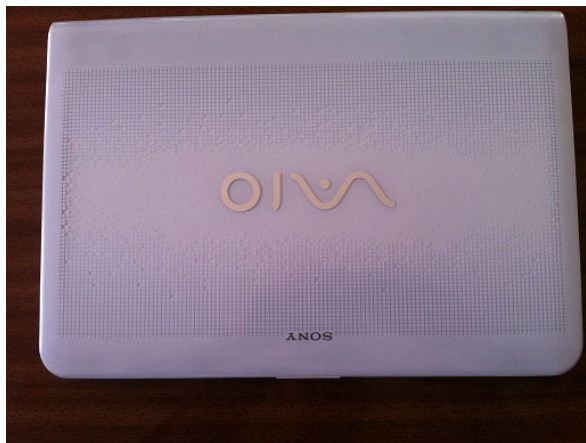
Frecventa memorie 1066 MHz

B 5. 3. Domenii de aplicabilitate:
 programarea unităților de comandă ale centralelor electronice, programarea microcontrolerelor, realizarea a diverse simulări.

B 5.4. Sursa de finanțare: Proiect POSDRU/90/2.1/S/64051 ”Învață Automatica”.

B 5.5. Valoare estimată: 3200 RON

B 5.6. Anul achiziției: 2010



B 6.1. Nume: Laptop Sony Vaio

B 6.2. Caracteristici, performanțe:

Tip procesor: Intel® Core™ i5

Tehnologie procesor: 32 nm

Model procesor: 430M

Frecventa procesor: 2260 MHz

Cache: 3072 KB

Capacitate memorie: 4 GB

Memorie maxima: 8 GB

Tip memorie: DDR3

Producator procesor: Intel

B 6.3. Domenii de aplicabilitate:
 programarea microcontrolerelor care stau la baza unităților de comandă ale boilerelor, radiatoarelor cu suprafață vitrată, radiatoarelor cu argilă, sistemelor de încălzire de apartament, huselor de preîncălzire a cauciucurilor moto și auto.

B 6.4. Sursa de finanțare: Proiect POSDRU/90/2.1/S/64051 ”Învață Automatica”.

B 6.5. Valoare estimată: 3500 RON



B 6.6. Anul achiziției: 2010

B 7.1. Nume: Laptop Sony Vaio

B 7.2. Caracteristici, performanțe:

Procesor: Intel Atom

Frecvența procesor (GHz):1.83

Cache procesor (KB):512

FSB (MHz):667

Capacitate HDD:250

Interfata HDD:SATA

Viteza de rotație (rpm):5400

Memorie standard:1024

Module Memorie Standard:1 x 1024

Tip RAM:DDR II 667 MHz

B 7.3. Domenii de aplicabilitate: programarea unităților de comandă ale centralelor electronice, programarea microcontrolerelor, realizarea a diverse simulări.

B 7.4. Sursa de finanțare: Proiect POSDRU/90/2.1/S/64051 ”Învăță Automatica”.

B 7.5. Valoare estimată: 14000 RON

B 7.6. Anul achiziției: 2010

B 8.1. Nume: Laptop Lenovo

B 8.2. Caracteristici, performanțe:

Tip processor Intel Core i3

Model processor i3-330M

Frecvența CPU (GHz) 2.1

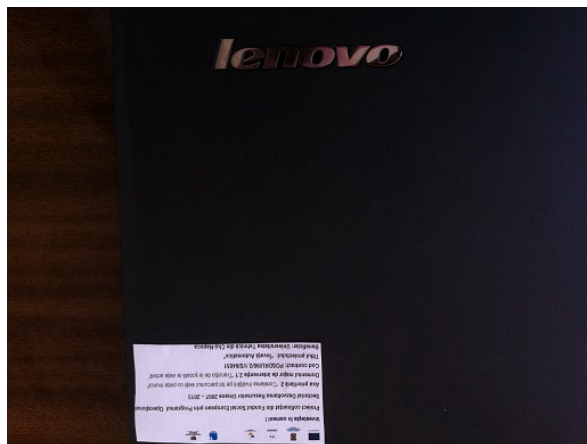
Cache procesor (kb) 3072

B 8.3. Domenii de aplicabilitate: programarea microcontrolerelor care stau la baza unităților de comandă ale boilerelor, radiatoarelor cu suprafață vitrată, radiatoarelor cu argilă, sistemelor de încălzire de apartament, huselor de preîncălzire a cauciucurilor moto și auto.

B 8.4. Sursa de finanțare: Proiect POSDRU/90/2.1/S/64051 ”Învăță Automatica”.

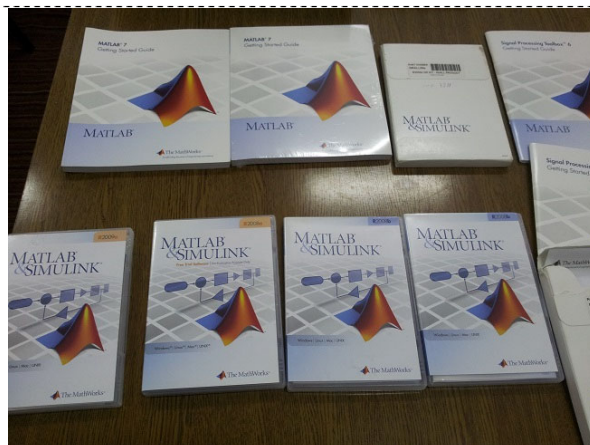
B 8.5. Valoare estimată: 3100 RON

B 8.6. Anul achiziției: 2011

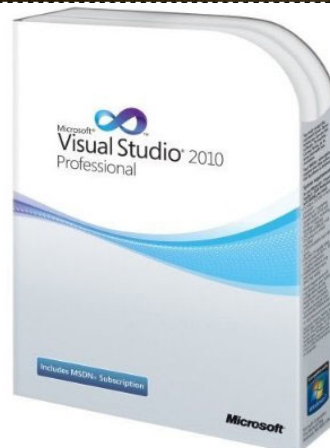


C. Software

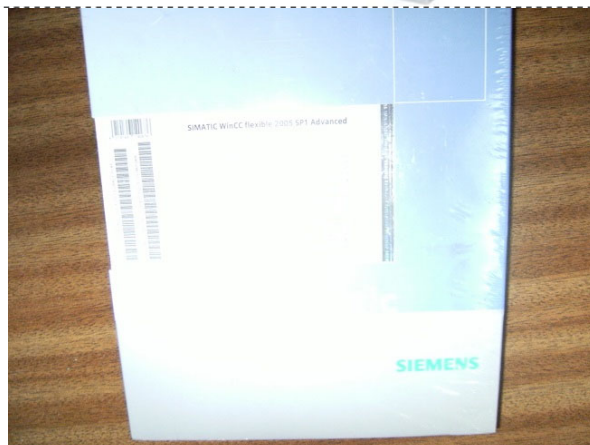
C1.1. Nume: MATLAB, Simulink, Signals Processing and Communications toolboxes – 2 x 10 licențe
 C1.2. Domenii de aplicabilitate: analiza semnale 1D și 2D, prelucrări de semnale, simulare sisteme de telecomunicații
 C1.3. Număr maxim de utilizatori: 20
 C1.4. Sursa de finanțare: finanțare MECT
 C1.5. Valoare estimată: 16297 lei
 C1.6. Anul achiziției: 2008



C2.1. Nume: visual studio 2010 professional
 C2.2. Domenii de aplicabilitate: programare orientată pe obiecte, diverse aplicații
 C2.3. Număr maxim de utilizatori: nelimitat
 C2.4. Sursa de finanțare: [Microsoft](#) [DreamSpark](#)
 C2.5. Valoare estimată: gratis
 C2.6. Anul achiziției: -



C3.1. Nume: SIMATIC WinCC Flexible 2005 SP1 Advanced
 C3.2. Domenii de aplicabilitate: programarea automatului programabil
 C3.3. Număr maxim de utilizatori: 1
 C3.4. Sursa de finanțare: Universitatea din Oradea
 C3.5. Valoare estimată: 300 euro
 C3.6. Anul achiziției: 2000



C4.1. Nume: SIMATIC WinCC Flexible / Sm@rtAccess
 C4.2. Domenii de aplicabilitate: programarea automatului programabil
 C4.3. Număr maxim de utilizatori: 1
 C4.4. Sursa de finanțare: Universitatea din Oradea
 C4.5. Valoare estimată: 300 euro
 C4.6. Anul achiziției: 2000



C5.1. Nume: Siemens SIMATIC Software STEP 7 V5.1
 C5.2. Domenii de aplicabilitate: programarea automatului programabil
 C5.3. Număr maxim de utilizatori: 2
 C5.4. Sursa de finanțare: Universitatea din Oradea
 C5.5. Valoare estimată: 300 euro
 C5.6. Anul achiziției: 2000



C6.1. Nume: Licenta National Instruments LabVIEW 2013
 C6.2. Domenii de aplicabilitate: crearea unor prototipuri si proiectare
 C6.3. Număr maxim de utilizatori: 1
 C6.4. Sursa de finanțare: donație
 C6.5. Valoare estimată: -
 C6.6. Anul achiziției: 2013



Oradea, Aprilie 2024

Director

Buciu Ioan

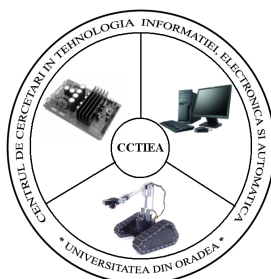
E-mail: ibuciu@uoradea.ro

Anexa 8

Presentation of the Center

1. Name of the Center: Research Center for Information Technology, Electronics and Automation

2. Center's logo



3. Brief presentation of the Center

The Research Center for Information Technology, Electronics and Automation (RCITEA) represents an autonomous scientific research body for technological development under **University of Oradea**, subordinate to the **Dept. of Computing, Dept. of Electronics and Telecommunications, and Dept. of Automata Systems Engineering and Management** from the **Faculty of Electrical Engineering and**

Information Technology. RCITEA assembles staff from academics, affiliate researchers, PhD students and master students oriented towards engineering field.

4. The mission of the research and development unit, the directions of research, development and innovation:

The mission of RCITEA is to contribute to fundamental and applicative scientific research in the field of computing, electronics, telecommunications, automata systems and electrical devices. The purpose of RCTIEA has a powerful R & D component in order to: accomplish various specific public services directly connected to the center activity, development of strong partnership between the center and economical sector, to offer expertise and technical consultancy for 3rd parties, to organize courses for young researches to gain substantial expertise.

5. The research directions of the center are:

- Computing architecture, testing, and performance optimization for computing systems;
- Information security for computers network;
- Implementation of real-time control application;
- Image processing, artificial intelligence, neural networks and their applications;
- Database management and data mining;
- Applied and power electronics;
- Multidimensional signal processing and analysis;
- Telecommunications;
- Audio-video technology;
- Crioelectronics;
- Technical consultancy and expertise in electronics and telecommunications field;
- Processes analysis;
- Automata systems;
- Control system;
- Robot manipulation and flexible manufacturing lines, mobile robots;
- Computer aided design for automation; quality of service;

6. Valorisation of research, development, innovation results and their degree of recognition

- Participation on domestic and international R & D programmes.
- Dissemination of scientific outcomes in ISI / BDI journals and periodicals, as well as national and international conferences.
- Contribution to edited books and monographs/ and / or book chapters, tutorials and academic courses in the field.
- Technical reports and case studies related to the center scientific activity.
- Organizing seminars, specific courses to form high quality experts in the field from industrial sector, local and regional.
- Attracting the students, master students and PhD students into research framework and research projects.
- Experimental model design, computer simulation, and outcome integration for connected technical fields.
- Enhance the scientific visibility for participants.

In 27th of September 2019, the CCTIEA members have participated at the scientific and technical event under the name Researcher's Night, thus having an important role in disseminating, evaluating and

exploiting the results of the research framework. More precisely, the following theme have been presented and exposed:

Participant's Name	Stand / Application
Prof.dr.ing. Helga Silaghi Student Mihok Eduard Student Ecsedi Eveline	Labirinth and robot maze
ing. Codoban Adrian	Robot mobil comandat prin bluetooth
Ș.l. dr. ing. Țepelea Lavinie student masterand ing. Kovács Gábor	Braț robotic comandat cu Arduino
Ș.l. dr.ing. Ioan Gavriluț student masterand ing. Tunyogi Dávid	Amplificator de audio frecvență de putere în clasă AB, 2 x 70W
prof.dr.ing. Alexandrina Pater Student Pop Vasile Alexandru	Consolă portabilă de jocuri cu Raspberry Pi
prof.dr.ing. Alexandrina Pater Student Sumutiu Ovidiu	Robot autonom comandat prin Bluetooth de pe telefonul mobil

7. Equipment / Computing systems / Software

A. Equipment

A1.1. Name: Digital Signal Processor

A1.2. Characteristics, performance:

TMS 320C6416TZLZ

- 1.67-/1.39-/1.17-/1-ns Instruction Cycle
- 600-/720-/850-MHz, 1-GHz Clock Rate
- Opt 32-Bit Instructions/Cicle
- 28 Operations/Cicle
- 4800, 5760, 6800, 8000 MIPS
- Fully Software-Compatible With C62x

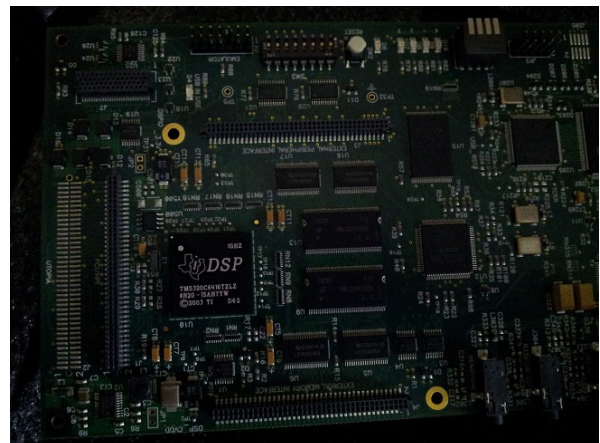
A1.3 Applications that can be performed:

1D and 2D signal processing (ex. FFT, addition, multiplexing, spectral analysis, etc).

A1.4. Source of funding: CEEX

A1.5. Estimated value: 1578 lei

A1.6. Purchase year: 2008



A2.1. Name: Digital Signal Processor Kit for developing

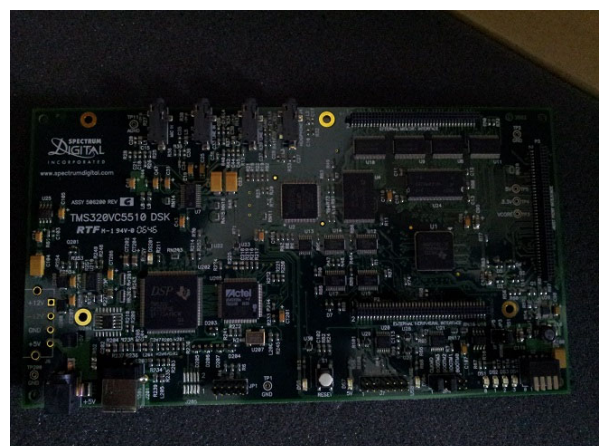
A2.2. Characteristics, performance:

TMS320VC5510 DSK

- frequency 200 MHz
- 400 millions instructions / seconds
- codec stereo AIC23
- 8Mbits of DRAM
- 512 Kb flash memory
- power source + 5V

A2.3. Applications that can be performed: digital audio players, voice prcessing and recognition, GPS, pattern recognition, biometrics.

A2.4. Source of funding: POSDRU 61756



A2.5. Estimated value: 2041 lei
A2.6. Purchase year: 2011
A3.1. Name: Development Kit for Video TMDSDVP648
A3.2. Characteristics, performance:
- Silicon Core Number: DM648
- Kit Application Type: Audio / Video / TV
- Application Sub Type: Digital Video Processor
- Silicon Family Name: DaVinci
A3.3. Applications that can be performed: development of applications with video sequence (coding, decoding)
A3.4. Source of funding: POSDRU 61756
A3.5. Estimated value: 4503 lei
A3.6. Purchase year: 2011



A4.1. Name: Video Kit – Leopardboard 355 (**2 pieces**)
A4.2. Characteristics, performance:
– includes a digital processor TMS320DM355 DaVinci
– codec compatible MPEG4 HD si JPEG (50 Mpixels/ second)
– 2Gb Micron NAND Flash (256 M x 8 bit)
– 1 Gb micron DDR 2 SDRAM
– Camera VGA CMOS
– codec audio TLV320AIC3194
A4.3. Applications that can be performed: audio application, security application, video applications.
A4.4. Source of funding: POSDRU 61756
A4.5. Estimated value: 3038 lei
A4.6. Purchase year: 2013



A5.1. Name: Video Capture Board Snazzi DV Bridge II
A5.2. Characteristics, performance:
– video conversion between (DV, DV – CAM, i-Link
– VHS, Hi – 8, Video - 8
– digital effects
– compliant with standard video and software (Premiere Pro, Media Studio Pro, Movie Maker, etc.
A5.3. Applications that can be performed: ADC – real-time DV format, capture DV from AV/DV, DV - CAM.
A5.4. Source of funding: POSDRU 61756
A5.5. Estimated value: 163,95 lei
A5.6. Purchase year: 2013



A6.1. Name: Acquisition video board
HDMI – USB3

A6.2. Characteristics, performance:

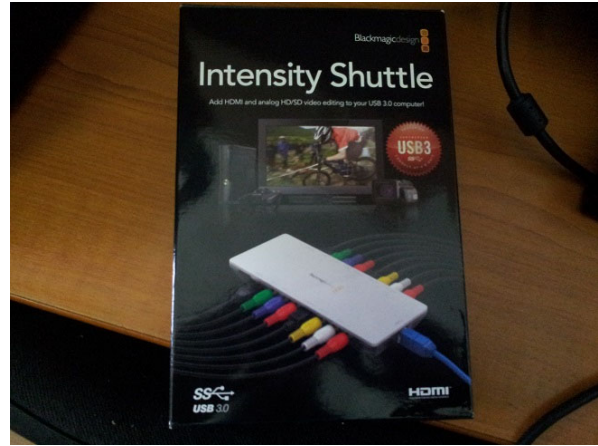
- Model Intensity Shuttle
- Format HDMI
- video editing analog and digital (format SD and HD)
- compatible with PCI and USB 3.0.

A6.3. Applications that can be performed:
Capture in uncompressed format 1080 HD and video editing for various formats.

A6.4. Source of funding: POSDRU 61756

A6.5. Estimated value: 1150,71 lei

A6.6. Purchase year: 2013



A7.1. Name: Oscilloscop Tektronix TDS 1001B

A7.2. Characteristics, performance:

- 100 MHz
- sampling rate to 1 GS/s
- connectivity USB
- 12 automate measurements
- Fourier analysis.

A7.3. Applications that can be performed:
spectral analysis, measurements of audio signal.

A7.4. Source of funding: POSDRU 61756

A7.5. Estimated value: 2973,81 lei

A7.6. Purchase year: 2013



A8.1. Name: Oscilloscop Sefram 54102
DC (2 pcs)

A8.2. Characteristics, performance:

- 100 MHz, 2 channels
- sampling rate up to 1 GS/s
- vertical resolution 8 bit
- memory 2M / channel
- connectivity USB.

A8.3. Applications that can be performed:
advanced spectral analysis, measurements of audio signal.

A8.4. Source of funding: HURO –
RENERG – 0802/083

A8.5. Estimated value: 5983 lei

A8.6. Purchase year: 2012



A9.1. Name: Spectral Analyzer – Hameg
– HMS 1010

A9.2. Characteristics, performance:

- Freqs range: 100 kHz...1.6 GHz
- measure range: -114...+20 dBm
- video bandwidth 10 Hz...1 MHz in 1–3 steps
- integrated modulator demodulator AM FM
- connectivity USB.

A9.3. Applications that can be performed:
High fidelity spectral analysis.

A9.4. Source of funding: HURO –
RENERG – 0802/083

A9.5. Estimated value: 14 235,20 lei

A9.6. Purchase year: 2012



A10.1. Nume: Videoprojector Acer P1165

A10.2. Characteristics, performance:

- Lumeni 2400
- Rezolution 800 x 600
- Conectors 1 x DVI, 1 x S-Video, RCA, 1 x USB
- noise level 3 dB

A10.3. Applications that can be performed: Tutorials presentation, etc.

A10.4. Source of funding: Grant 473/2007

A10.5. Estimated value: 2091lei

A10.6. Purchase year: 2007



A10.1. Name: Mini-robots „Robby RP5”
with accesories

A10.2. Characteristics, performance:

- contact sensors
- sound sensors

A10.3. Applications that can be performed: real time testing for visual based pattern recognition for vision driven robot guidance.

A10.4. Source of funding: Grant 473/2007

A10.5. Estimated value: 1738 lei

A10.6. Purchase year: 2007



A11.1. Name: **XBee Wifi Cloud Kit**

A11.2. Characteristics, performance:

1XBee Wi-Fi (S6B) Module

1XBee USB Development Board w/
Breadboard

Package of components including
resistors, relay, buttons, and LEDs

Access to our cloud-based application,
designed specifically for the XBee Wi-Fi
Cloud Kit

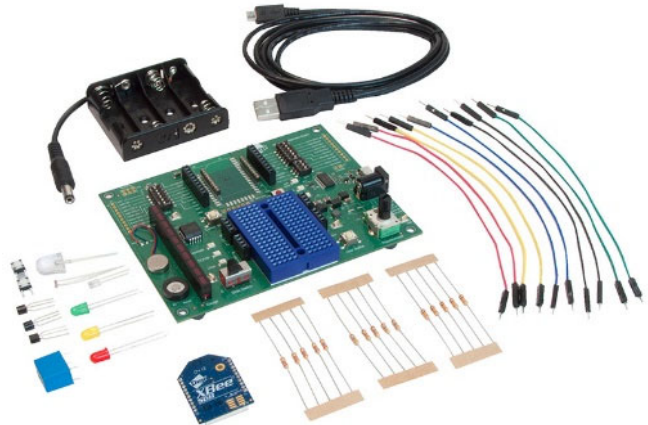
All necessary antennas, power supplies,
and cables

A11.3. Applications that can be
performed: **wireless development
applications.**

A11.4. Source of funding: Private funds

A11.5. Estimated value: 142 Euro

A11.6. Purchase year: 2015



A12.1. Name: Master drive control
SIMOVERT-VC (FROSYS)

A12.2. Characteristics, performance:

Serial number: 6SE7016-1EA61

Input: 380-480 V; 50/60 Hz

Output: 380-480 V; 0-600 Hz

Z min: 1%

A12.3. Applications that can be
performed: implementation of vector
control for induction electrical machine.

A12.4. Source of funding: University of
Oradea

A12.5. Estimated value: 5000 euro

A12.6. Purchase year: 1998



A13.1. Name: Asincronous machine and
steady frequency converter - LUKAS
NULE KERPEN

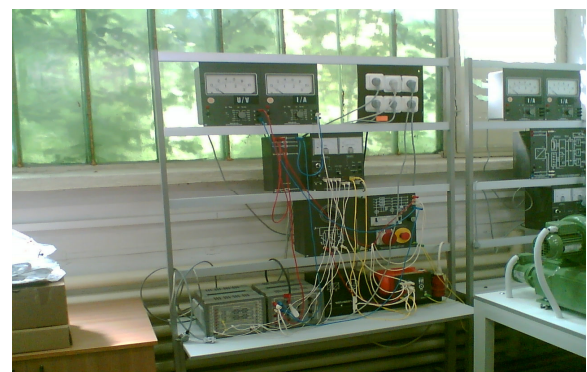
A13.2. Characteristics, performance:

A13.3. Applications that can be
performed: computer driven manipulation
for electrical engine supplied from a
steady frequency converter.

A13.4. Source of funding: University of
Oradea

A13.5. Estimated value: 3000 euro

A13.6. Purchase year: 1994



A14.1. Name: Assemble CIM - 2000 - DEGEM SYSTEM, ISRAEL, pneumatic module PN 2800, automate storage module ST 2000, processing module - FMS, quality control module VI 2000 robot RV - M1, compressor.

A14.2. Characteristics, performance:

Dimension: 7mx5mx2m.

Tip robot: RV-M1

EP-ROM: 256K-ROM

A14.3. Applications that can be performed: robot control and manipulating RV-M1.

A14.4 Source of funding: University of Oradea

A14.5. Estimated value: 120.000 dolari

A14.6. Purchase year: 1993



B. Computing systems

B 1.1. Name: Laptop ACER Aspire

B 1.2. Characteristics, performance:

– Windows 7 Home Premium

– Procesor 2020 M (Intel Pentium)

– Memory 4 GB

– Capacitay HD – 500 GB

– Fourier analyzer.

B 1.3. Applications that can be performed: Spectral analysis, computing, simulations.

B 1.4. Source of funding: POSDRU 61756

B 1.5. Estimated value: 3110,61 lei

B 1.6. Purchase year: 2013



B 2.1. Name: Laptop Fujitsu Siemens Tip II Amilpro

B 2.2. Characteristics, performance:

– Intel Core Duo T2300 (1.66 GHz, 667 MHz FSB, 2 MB L2-cache)

– GB (2 x 512 MB DDR2 533 MHz)

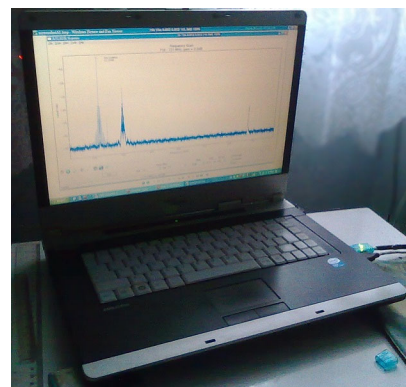
– Hard drive: 2 x 80 GB

B 2.3. Applications that can be performed: Programming, simulations, signal analysis.

B 2.4. Source of funding: PI – Grant 479/2006 - 2008

B 2.5. Estimated value: 1940,72 lei

B 2.6. Purchase year: 2007



B 3.1. Name: Laptop HP NX 7400 T 5600

B 3.2. Characteristics, performance:

- Intel Core 2 Duo freq 1.83GHz
- Intel 950 UMA cu 224MB memory share- Hard drive: 2 x 80 GB
- HDD 100 GB

B 3.3. Applications that can be performed: Programming, simulations, signal analysis.

B 3.4. Source of funding: Budget MEC

B 3.5. Estimated value: 3987,75 lei

B 3.6. Purchase year: 2007



B 4.1. Name: Lenovo (4 pcs)

B 4.2. Characteristics, performance:

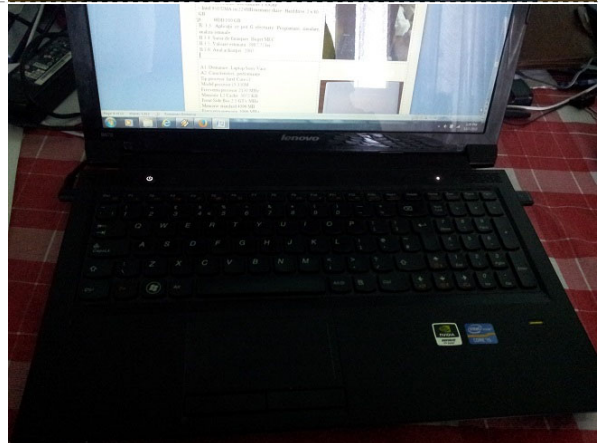
- Windows 7 - professional
- Intel i5 – 2439M CPU, 2.40 GHz
- RAM 4 GB
- HDD 100 GB

B 4.3. Applications that can be performed: Programming, simulations, signal analysis.

B 4.4. Source of funding: Grant PN II/645

B 4.5. Estimated value: 2990 lei

B 4.6. Purchase year: 2011



B5.1. Name: Laptop Sony Vaio

B 5.2. Characteristics, performance:

Processor Intel Core i3

Model processor i3-330M

Freq 2130 MHz

Memory L2 Cache: 3072 KB

Front Side Bus 2.5 GT/s MHz

Memory standard 4096 MB

B 5. 3. Applications that can be performed: Programming, simulations, signal analysis, microcontrollers.

B 5.4. Source of funding: Project POSDRU/90/2.1/S/64051 "Învățã Automatică".

B 5.5. Estimated value: 3200 RON

B 5.6. Purchase year: 2010



B 6.1. Name: Laptop Sony Vaio

B 6.2. Characteristics, performance:

Procesor: Intel® Core™ i5 , 430 M

Tehnology: 32 nm

Freq procesor: 2260 MHz

Cache: 3072 KB

Capacity memory:4 GB

Max memory: 8 GB

Memory type: DDR3

Producer: Intel

B 6.3. Applications that can be performed: micro-controller programming for heating boilers.



B 6.4. Sursa de finanțare: Project POSDRU/90/2.1/S/64051 "Învățã Automaticã".

B 6.5. Estimated value: 3500 RON

B 6.6. Purchase year: 2010

B 7.1. Name: Laptop Sony Vaio

B 7.2. Characteristics, performance:

Procesor: Intel Atom

Freq (GHz):1.83

Cache procesor (KB):512

FSB (MHz):667

Capacity HDD:250

Interface HDD:SATA

Speed (rpm):5400

Memory standard:1024

Moduls Memory Standard:1 x 1024

Type RAM:DDR II 667 MHz

B 7.3. Applications that can be performed: programming unit command for electronics modules, simulations.

B 7.4. Source of funding: Proiect POSDRU/90/2.1/S/64051 "Învățã Automaticã".

B 7.5. Estimated value: 14000 RON

B 7.6. Purchase year: 2010

B 8.1. Name: Laptop Lenovo

B 8.2. Characteristics, performance:

Processor Intel Core i3, i3-330M

Freq CPU (GHz) 2.1

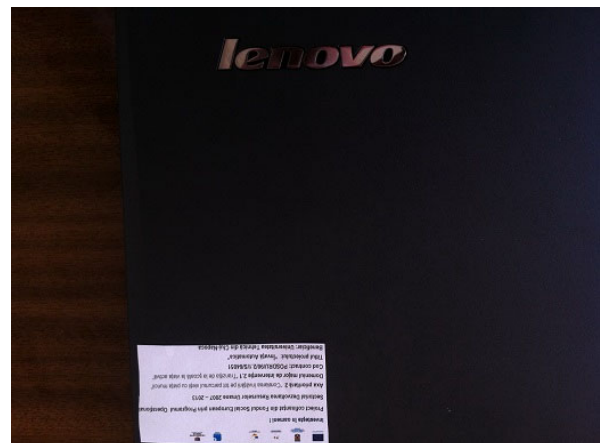
Cache procesor (kb) 3072

B 8.3. Applications that can be performed: micro-controller programming for heating boilers.

B 8.4. Source of funding: Project POSDRU/90/2.1/S/64051 "Învățã Automaticã".

B 8.5. Estimated value: 3100 RON

B 8.6. Purchase year: 2011



C. Software

C1.1. Name: MATLAB, Simulink, Signals Processing and Communications toolboxes – 2 x 10 licences

C1.2 Applications that can be performed: analiza semnale 1D and 2D signal processing, telecommunications system design

C1.3. Maximum number of users: 20

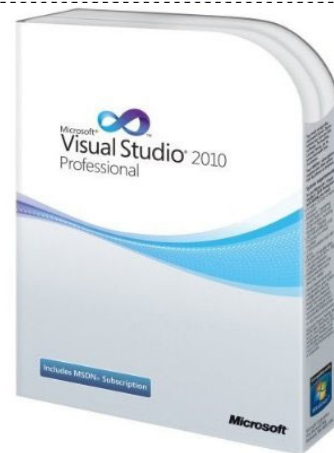
C1.4. Source of funding: finanțare MECT

C1.5. Estimated value: 16297 lei

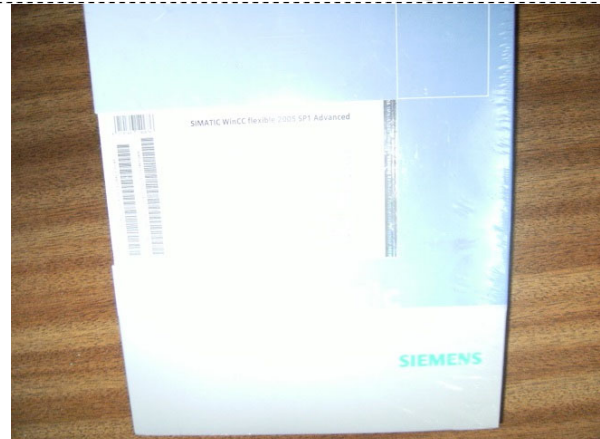
C1.6. Purchase year: 2008



C2.1. Name: visual studio 2010 professional
 C2.2. Applications that can be performed: various programming applications, object – oriented programming
 C2.3. Maximum number of users: nelimitat
 C2.4. Source of funding: [Microsoft](#)
[DreamSpark](#)
 C2.5. Estimated value: free
 C2.6. Purchase year: -



C3.1. Name: SIMATIC WinCC Flexible 2005 SP1 Advanced
 C3.2. Applications that can be performed: programarea automatului programabil
 C3.3. Maximum number of users: 1
 C3.4. Source of funding: Universitatea din Oradea
 C3.5. Estimated value: 300 euro
 C3.6. Purchase year: 2000



C4.1. Name: SIMATIC WinCC Flexible / Sm@rtAccess
 C4.2. Applications that can be performed: programarea automatului programabil
 C4.3. Maximum number of users: 1
 C4.4. Source of funding: Universitatea din Oradea
 C4.5. Estimated value: 300 euro
 C4.6. Purchase year: 2000



C5.1. Name: Siemens SIMATIC Software STEP 7 V5.1
 C5.2. Applications that can be performed: programarea automatului programabil
 C5.3. Maximum number of users: 2
 C5.4. Source of funding: Universitatea din Oradea
 C5.5. Estimated value: 300 euro
 C5.6. Purchase year: 2000



C6.1. Name: Licenta National Instruments
LabVIEW 2013
C6.2. Applications that can be performed:
crearea unor prototipuri si proiectare
C6.3. Maximum number of users: 1
C6.4. Source of funding: donation
C6.5. Estimated value: -
C6.6. Purchase year: 2013



Oradea, April, 2024

Director

Buciu Ioan

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