



UNIVERSITATEA DIN ORADEA
FACULTATEA DE INGINERIE MANAGERIALĂ ȘI TEHNOLOGICĂ
Oradea, Str.Universității, nr. 1 – 4, 410087, Bihor, România
Telefon: +40 259 408 136
Fax: +40 259 408 436
Email: imt@uoradea.ro
www.uoradea.ro, <http://imt.uoradea.ro>

Nume Prenume: INDRE CLAUDIU-IOAN

Gradul didactic:

LISTA DE LUCRĂRI

1. Teza de doctorat

T1. Titlul tezei:

***CERCETĂRI ȘI CONTRIBUȚII PRIVIND OPORTUNITATEA IMPLEMENTĂRII
FABRICAȚIEI ROBOTIZATE ÎN INDUSTRIA PRELUCRĂTOARE DE PIESE AUTO***

Conducător științific: Prof.univ.dr.ing. BLAGA FLORIN-SANDU

Instituția: UNIVERSITATEA DIN ORADEA

Domeniul: INGINERIE INDUSTRIALĂ

Data susținerii: 20.05.2022

Conferirea titlului de doctor prin Ordinul Ministrului Educație și Cercetării nr.4317 din 27.07.2022

2. Publicații

2.A. Cărți publicate, îndrumare/culegeri publicate

- 2.A.1. **Indre Claudiu-Ioan**, “*Scule așchietoare. Aspecte teoretice și aplicații de bază*”, Editura Universității din Oradea, ISBN: 978-606-10-2431-5

2.B. Capitole publicate în volume colective

2.B.1

2.C. Capitole teoretice redactate

2.C.1

- 2.D. **Sisteme de laborator funcționale, după caz, prin care se aduc contribuții la asigurarea și perfecționarea activităților didactice/profesionale**

2.D.1

3. Articole/studii publicate

3.A. Articole/studii publicate în reviste de specialitate de circulație internațională recunoscute cotate ISI sau indexate în baze de date internaționale specifice domeniului, care fac un proces de selecție a revistelor pe baza unor criterii de performanță (6)

- 3.A.1.** Florin BLAGA, Alin POP, Cosmin GHERGHEA, Constantin BUNGĂU, Voichița HULE, **Claudiu INDRE**,
FUZZY SETS APPROACH FOR DETERMINING FAILURE RISK INDICATORS,
The 15th INTERNATIONAL CONFERENCE MODERN TECHNOLOGIES IN MANUFACTURING, MTem 2023, Cluj-Napoca, ROMANIA, 18th - 21st October 2023
https://mtem.utcluj.ro/wp-content/uploads/2023/10/Final-Program-MTeM_2023_v3.pdf
Publicat in:
ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING
Volume 67; Issue 1; Page: 363-370; Special IssueSI; ISSN: 1221-5872; eISSN: 2393-2988
<https://atna-mam.utcluj.ro/index.php/Acta/article/view/2392>
Indexată: 19.10.2024
IF=0,1 (Q4)
<https://www.webofscience.com/wos/woscc/full-record/WOS:001328942700045>
WOS:001328942700045
- 3.A.2.** **INDRE Claudiu-Ioan**, BLAGA Florin-Sandu, NEGRĂU Dan-Claudiu, HULE Voichița-Ionela, GROZA Mihai-Dan
IMPLEMENTATION PROJECT MANAGEMENT OF A ROBOTIC MANUFACTURING CELL USING THE CRITICAL PATH METHOD,
27th Edition of INNOVATIVE MANUFACTURING ENGINEERING & ENERGY CONFERENCE
October 12-14, 2023, Chisinau, Republic of Moldova.
https://imane.utm.md/wp-content/uploads/2023/10/PROGRAM_FINAL_IManEE23_06.10.23.pdf
Publicata in:
ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING, Volume 66, Issue 5, Page 281- 290, Special Issue- SI, Octobrie 2023,
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<https://atna-mam.utcluj.ro/index.php/Acta/article/view/2300/1762>
<https://www.webofscience.com/wos/woscc/full-record/WOS:001267255200008>
WOS:001267255200008
- 3.A.3.** Dan Claudiu NEGRAU, Gavril GREBENISAN, Alin Dorin NEGRAU, **Claudiu-Ioan INDRE**,
THE SEQUENCE OF PHASES IN THE PROCESS OF TRANSFORMING A USUAL CNC INTO A HYBRID CNC MACHINE FOR 3D ADDITIVE MANUFACTURING,
ACTA TECHNICA NAPOCENSIS, Applied Mathematics, Mechanics, and Engineering Vol. 65, Issue Special IV, December, 2022,
ISSN 1221-5872,
Indexata in: 06.05.2023
<https://atna-mam.utcluj.ro/index.php/Acta/article/viewFile/2057/1637>
<https://www.webofscience.com/wos/woscc/full-record/WOS:000969679100038>
- 3.A.4.** Florin Blaga, Alin Pop, Iulian Stănășel, Voichița Hule, and **Claudiu Indre**,
MODELLING AND SIMULATION OF A FLEXIBLE PACKAGING SYSTEM FOR DETERGENTS,
MATEC Web Conf.Volume 299, 2019 Modern Technologies in Manufacturing (MTem 2019), Cluj Napoca Romania, October 9-12, 2019, N. Balc and D. Leordean (Eds.), pg.: 6,
ISBN: 978-2-7598-9083-5
WOS:000568128200022
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<https://doi.org/10.1051/mateconf/201929902009>
https://www.matec-conferences.org/articles/mateconf/pdf/2019/48/mateconf_mtem2019_02009.pdf
<https://www.webofscience.com/wos/woscc/full-record/WOS:000568128200022>

- 3.A.5. Claudiu-Ioan Indre, Florin-Sandu Blaga, Cristian Miculas and Dan Claudiu Negrau, *RESEARCH IN ORDER TO DECREASE THE TIME MANUFACTURING UNIT USING THE COMBINED TOOLS*, Innovative Manufacturing Engineering and Energy (IManEE 2019) - "50 Years of Higher Technical Education at the University of Pitesti" - The 23rd edition of IManEE 2019 International Conference 22–24 May 2019, University of Pitesti, Romania; Published under licence by IOP Publishing Ltd, IOP Conference Series: Materials Science and Engineering, Volume 564, Number 1 ISSN 1757-8981 <https://doi.org/10.1088/1757-899X/564/1/012007> <https://iopscience.iop.org/article/10.1088/1757-899X/564/1/012007/pdf> <https://www.webofscience.com/wos/woscc/full-record/WOS:000562599900007> WOS:000562599900007**
- 3.A.6. Dan Claudiu Negrău; Claudiu-Ioan Indre; Gavril Grebenisan, Tiberiu Vesselenyi, *EXPERIMENTAL APPROACH AND FNITE ELEMENT ANALYSIS OF THE BEHAVIOR OF A STEEL BENDING TOOL*, M Book Series: IOP Conference Series-Materials Science and Engineering Volume: 564, DOI: 10.1088/1757-899X/564/1/012052, Published:2019, <https://doi.org/10.1088/1757-899X/564/1/012052> <https://iopscience.iop.org/article/10.1088/1757-899X/564/1/012052/pdf>**

3.B. Articole/studii publicate- indexate în baze de date internaționale recunoscute (BDI) (7)

- 3.B.1. Florin BLAGA, Alin POP, Claudiu INDRE, Voichița HULE and Iulian STĂNĂȘEL, *EVALUATION OF THE PERFORMANCE OF A ROBOTIZED MANUFACTURING CELL THROUGH MODELING AND SIMULATION WITH PETRI NETS*, ACADEMIC JOURNAL OF MANUFACTURING ENGINEERING, VOL. 20, ISSUE 4/2022, pp. 54- 60 ISSN 15837904 https://www.ajme.ro/PDF_AJME_2022_4/L7.pdf**
- 3.B.2. Florin-Sandu BLAGA, Alin POP, Voichița HULE and Claudiu-Ioan INDRE, THE EFFICIENCY OF MODELING AND SIMULATION OF MANUFACTURING SYSTEMS USING PETRI NETS, Published under licence by IOP Publishing Ltd, IOP Conference Series: Materials Science and Engineering, Volume 1169, The Annual Session of Scientific Papers (IMT Oradea 2021) 27th-28th May 2021, Oradea, Romania, pg. 27 <https://doi.org/10.1088/1757-899X/1169/1/012005> <https://iopscience.iop.org/article/10.1088/1757-899X/1169/1/012005> <https://iopscience.iop.org/article/10.1088/1757-899X/1169/1/012005/pdf> https://scholar.google.com/citations?view_op=view_citation&hl=en&user=JScvmocAAAAJ&sortby=pubdate&citation_for_view=JScvmocAAAAJ:SP6oXDckpogC ISSN: 1757-899X**
- 3.B.3. Dan Claudiu Negrău, Gavril Grebenişan, Tiberiu Vesselenyi, Daniel Anton, Claudiu-Ioan Indre, *MODELING AND BUILDING A 3D PRINT HEAD*, The Annual Session Of Scientific Papers - Materials Science and Engineering, 1169 (2021) 012028 IOP Publishing doi: 10.1088/1757-899X/1169/1/012028 (indexată Google Scholar, CrossRef, Ulrich's Web) <https://doi.org/10.1088/1757-899X/1169/1/012028> <https://iopscience.iop.org/article/10.1088/1757-899X/1169/1/012028/pdf>**
- 3.B.4. Ioan Cosmin Gherghea, Constantin Bungau, Claudiu-Ioan Indre, Dan Claudiu Negrău, *ENHANCING PRODUCTIVITY OF CNC MACHINES BY TOTAL PRODUCTIVE MAINTENANCE (TPM) IMPLEMENTATION. A CASE STUDY*, The Annual Session of Scientific Papers- IOP Conf. Series: Materials Science and Engineering 1169 (2021) 012035 IOP Publishing doi: 10.1088/1757-899X/1169/1/012035 (indexată Google Scholar, CrossRef, Ulrich's Web), <https://doi.org/10.1088/1757-899X/1169/1/012035> <https://iopscience.iop.org/article/10.1088/1757-899X/1169/1/012035/pdf>**

- 3.B.5.** Florin- Sandu Blaga, A. Pop, T. Vesselenyi, V. Hule and **C. I. Indre**,
MODELING WITH HIERARCHICAL COLORED PETRI NETS. CASE STUDY,
 Annual Session of Scientific Papers "IMT ORADEA 2020" 28-29 May 2020, Oradea, Romania. Published under licence by IOP Publishing Ltd, IOP Conference Series: Materials Science and Engineering, Volume 898, pg. 12
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 ISSN: 1757-899X
- 3.B.6.** **Claudiu-Ioan Indre**, Florin- Sandu Blaga, Cristian Miculas,
RESEARCH ON DESIGNING A MANUFACTURING CELL FOR THE DISK LIMITER,
 Annual Session of Scientific Papers "IMT ORADEA 2019" 30–31 May 2019, Oradea, Felix SPA, Romania, Published under licence by IOP Publishing Ltd, IOP Conference Series: Materials Science and Engineering, Volume 568, conference 1, pg. 5
<https://doi.org/10.1088/1757-899X/568/1/012101>
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 ISSN: 1757-899X
- 3.B.7.** D.C. Negrau, **C.I. Indre**, G. Grebenisan,
EXPERIMENTAL APPROACH AND FINITE ELEMENT ANALYSIS OF THE BEHAVIOR OF A STEEL BENDING MACHINE,
 IManEE 2019, IOP Conf. Series: Materials Science and Engineering 564 (2019) 012052,
 doi:10.1088/1757-899X/564/1/012052,
<https://iopscience.iop.org/article/10.1088/1757-899X/564/1/012052/pdf>

3.C. Articole/studii publicate în alte reviste de specialitate de circulație internațională

3.D. Articole/studii publicate în reviste din țară recunoscute C.N.C.S.I.S.

3.D.1.

3.E. Articole/studii publicate în alte reviste de specialitate de circulație națională (cu ISSN)

3.E.1.

3.F.1 Citări ISI/BDI/Alte reviste

<https://orcid.org/0000-0002-0437-4267>

Claudiu-Ioan INDRE

 <https://orcid.org/0000-0002-0437-4267>  

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FUZZY SETS APPROACH FOR DETERMINING FAILURE RISK INDICATORS
Acta Technica Napocensis Series-Applied Mathematics Mechanics and Engineering 2024 Journal article Show more detail WOSUID: WOS:001328942700045 CONTRIBUTORS: Blaga, Florin; Pop, Alin; Gherghea, Cosmin; Bungau, Constantin; Hule, Voichita; Indre, Claudiu
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3.F.2. Citări: Web of Science;

<https://www.webofscience.com/wos/author/record/AGL-5097-2022>

 Claudiu-Ioan INDRE ✓ (Indre, Claudiu)	Metrics ← Open dashboard
Identifiers - Web of Science ResearcherID: AGL-5097-2022 https://orcid.org/0000-0002-0437-4267	Profile summary
Published names Indre, C. I. Indre, Claudiu Indre, Claudiu Ioan Indre, Claudiu-Ioan	9 Total documents 8 Publications indexed in Web of Science 6 Web of Science Core Collection publications 0 Preprints 0 Dissertations or Theses 1 Non-indexed publications 0 Verified peer reviews 0 Verified editor records 0 Awarded grants
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Non-Indexed Documents (1)	

3.F.3. Citări:- SCOPUS

<https://www.scopus.com/authid/detail.uri?authorId=57211314400>

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Article

EVALUATION OF THE PERFORMANCE OF A ROBOTIZED MANUFACTURING CELL THROUGH MODELING AND SIMULATION WITH PETRI NETS

0

Citations

Academic Journal of Manufacturing Engineering, 2022

Full text

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3.F.4. Citări: 190 Google Scholar

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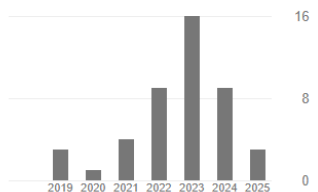
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Citat de

	Toate	Din 2020
Referințe bibliografice	47	44
h-index	4	4
i10-index	1	1



Coautori

[EDITAȚI](#)

	Blaga Florin	University of Oradea	>
	Constantin Bungau	University of Oradea	>
	Gavril Grebenisan	University of Oradea	>
	Negrău Dan Claudiu	Associate professor, University o...	>
	Anton Daniel	Asistent, Universitatea din Oradea	>

☐	TITLU	CITAT DE	ANUL
☐	Enhancing Productivity of CNC Machines by Total Productive Maintenance (TPM) implementation. A Case Study IC Gherghea, C Bungau, CI Indre, DC Negrau IOP Conference Series: Materials Science and Engineering 1169 (1), 012035	19	2021
☐	The efficiency of modeling and simulation of manufacturing systems using Petri nets FS Blaga, A Pop, V Hule, CI Indre IOP Conference Series: Materials Science and Engineering 1169 (1), 012005	8	2021
☐	Research in order to decrease the time manufacturing unit using the combined tools CI Indre, FS Blaga, C Miculaș, DC Negrau IOP Conference Series: Materials Science and Engineering 564 (1), 012007	6	2019
☐	Experimental approach and finite element analysis of the behavior of a steel bending tool DC Negrău, CI Indre, G Grebenișan IOP Conference Series: Materials Science and Engineering 564 (1), 012052	5 *	2019
☐	Modeling and building a 3D print head DC Negrau, G Grebenisan, T Vesselenyi, DM Anton, CI Indre IOP Conference Series: Materials Science and Engineering 1169 (1), 012028	4	2021
☐	Modeling with hierarchical colored Petri nets. Case study FS Blaga, A Pop, T Vesselenyi, V Hule, CI Indre IOP Conference Series: Materials Science and Engineering 898 (1), 012017	4	2020
☐	Modelling and simulation of a flexible packaging system for detergents F Blaga, A Pop, I Stănășel, V Hule, C Indre MATEC Web of Conferences 299, 02009	1	2019
☐	FUZZY SETS APPROACH FOR DETERMINING FAILURE RISK INDICATORS F BLAGA, AF POP, C GHERGHEA, C BUNGAU, H Voichița, C INDRE ACTA TECHNICA NAPOCENSIS-Series: APPLIED MATHEMATICS, MECHANICS, and ...		2024
☐	IMPLEMENTATION PROJECT MANAGEMENT OF A ROBOTIC MANUFACTURING CELL USING THE CRITICAL PATH METHOD CI INDRE, FS BLAGA, DC NEGRĂU, VI HULE, MD GROZA ACTA TECHNICA NAPOCENSIS-Series: APPLIED MATHEMATICS, MECHANICS, and ...		2023
☐	THE SEQUENCE OF PHASES IN THE PROCESS OF TRANSFORMING A USUAL CNC INTO A HYBRID CNC MACHINE FOR 3D ADDITIVE MANUFACTURING DC NEGRAU, G GREBENISAN, AD NEGRAU, CI INDRE ACTA TECHNICA NAPOCENSIS-Series: APPLIED MATHEMATICS, MECHANICS, and ...		2023
☐	EVALUATION OF THE PERFORMANCE OF A ROBOTIZED MANUFACTURING CELL THROUGH MODELING AND SIMULATION WITH PETRI NETS. F BLAGA, A POP, C INDRE, V HULE, I STĂNĂȘEL Academic Journal of Manufacturing Engineering 20 (4)		2022
☐	Research on designing a manufacturing cell for the Disk Limiter CI Indre, FS Blaga, C Miculaș IOP Conference Series: Materials Science and Engineering 568 (1), 012101		2019

**4.A. Articole/studii publicate în volumele unor manifestări științifice:
(se precizeaza daca este cazul - indexate ISI sau indexate în baze de date
internaționale-BDI).**

**4.B. Articole/studii publicate în volumele unor manifestări științifice
internaționale recunoscute (cu ISSN sau ISBN) țară și din străinătate**

- 4.B.1.** C I Indre, D. C. Negrău, - *“Proiectarea asistată de calculator a unei stații pentru asamblarea prin încălzire și deformare locală a pieselor din industria auto”* - The Annual Session of Scientific Papers- IMT Oradea 2016
- 4.B.2.** B Pop, C I Indre, D. C. Negrău, - *“Proiectarea si analiza realizarii fizice a unei linii de transport”*- The Annual Session of Scientific Papers- IMT Oradea 2017

4.C. Articole/studii publicate în volumele unor manifestări științifice naționale

4.C.1.

D. C. Negrău, C I Indre – *„Proiectarea și realizarea dispozitivelor folosite la vulcanizarea furtunelor din industria de automobile”*, Coordonatori: prof. univ. dr. ing. Blaga Florin, conf. dr. ing. Stănășel Iulian, Afilierea: Universitatea din Oradea, Facultatea de Inginerie Manageriala si Tehnologica, a obținut Premiul I la SECȚIUNEA INGINERIE. MECANICĂ ȘI TEHNOLOGII NECONVENȚIONALE. AUTOVEHICULE ȘI MECANICĂ APLICATĂ. MATERIALE ȘI TEHNOLOGII
<https://media.uoradea.ro/article612-Participarea-studen%C8%9Bilor-de-la-Facultatea-de-Inginerie-Managerial%C4%83-%C8%99i-Tehnologic%C4%83-la-Simpozionul-Na%C5%A3ional-Brainstorming-in-Agora-Cercurilor-Studen%C8%9Be%C8%99ti-BACStud2015-14-16-mai-2015>
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- Agora Oradea 2015

5. BREVETE DE INVENȚIE

5.1

6. Proiecte/contracte/granturi de cercetare-dezvoltare-inovare

**6.A. Proiecte/contracte/granturi de cercetare- dezvoltare- inovare obținute
prin competiție pe bază de contract/grant internaționale**

6.A.1.

**6.B. Proiecte/contracte/granturi de cercetare-dezvoltare-inovare obținute
prin competiție pe bază de contract/grant naționale**

6.B.1.

6.C. Contracte de cercetare cu mediul socio-economic

6.C.1.

- 7. A. Creații artistice prezentate la manifestări recunoscute, precum și, după caz, alte lucrări similare ,**
B. Lucrări prezentate la diferite seminarii/expoziții și nepublicate, etc.

8. Recunoasterea prestigiului științific

8.A. Conducere de doctorat

8.A.1

8.B. Referent in comisii de doctorat internationale in ultimii 5 ani

8.B.1

8.C. Membru în colective de redactie ale unor reviste științifice recunoscute
ISI

8.C.1.

BDI

8.C.2.

8.D. Referent atestat al unor reviste științifice cotate ISI sau indexate in BDI in ultimii 5 ani

8.F.1.

8.E. Expert științific atestat național / internațional

8.F. Premii

8.F.2.

8.G. Membru în asociații științifice și profesionale

8.G.1. Asociația Universitară de Inginerie a Fabricației

8.G.2. Asociația pentru Inginerie Integrată și Management Industrial

Oradea,
11.08.2025

As.Dr.Ing. Claudiu-Ioan INDRE