



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.

2.B. Capitle publicate în volume colective

2.B.1

2.C. capitle 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 (3)

- 3.A.1.** 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. Balci and D. Leordean (Eds.), pg.: 6,
ISBN: 978-2-7598-9083-5
WOS:000568128200022
ISBN 978-2-7598-9083-5
ISSN 2261-236X
<https://doi.org/10.1051/matecconf/201929902009>
https://www.matec-conferences.org/articles/matecconf/pdf/2019/48/matecconf_mtem2019_02009.pdf
<https://www.webofscience.com/wos/woscc/full-record/WOS:000568128200022>
- 3.A.2.** 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:10.1088/1757-899X/564/1/012052>
<https://iopscience.iop.org/article/10.1088/1757-899X/564/1/012052/pdf>
- 3.A.3.** **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: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.B. Articole/studii publicate- indexate în baze de date internaționale recunoscute (BDI) (8)

- 3.B.1.** Florin BLAGA, Alin POP, Cosmin GHERGHEA, Constantin BUNGĂU, Voichița HULE and **Claudiu INDRE**, FUZZY SETS APROACH 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
- 3.B.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
- 3.B.3.** 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.4.** 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.
<https://atna-mam.utcluj.ro/index.php/Acta/article/viewFile/2057/1637>
- 3.B.5.** Florin-Sandu BLAGA, Alin POP, Voichita 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: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.6.** 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:10.1088/1757-899X/1169/1/012028>
<https://iopscience.iop.org/article/10.1088/1757-899X/1169/1/012028/pdf>
- 3.B.7.** Ioan Cosmin Ghergha, 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:10.1088/1757-899X/1169/1/012035>
<https://iopscience.iop.org/article/10.1088/1757-899X/1169/1/012035/pdf>
- 3.B.8.** 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
<https://doi:10.1088/1757-899X/898/1/012017>
<https://iopscience.iop.org/article/10.1088/1757-899X/898/1/012017>
<https://iopscience.iop.org/article/10.1088/1757-899X/898/1/012017/pdf>
<https://www.scopus.com/record/display.uri?eid=2-s2.0-85091500669&origin=resultslist>
https://scholar.google.com/citations?view_op=view_citation&hl=en&user=JScvmocAAAAJ&sortby=pubdate&citation_for_view=JScvmocAAAAJ:EUQCXRtRnyEC
ISSN: 1757-899X
- 3.B.9.** **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:10.1088/1757-899X/568/1/012101>
<https://iopscience.iop.org/article/10.1088/1757-899X/568/1/012101/pdf>
<https://iopscience.iop.org/article/10.1088/1757-899X/568/1/012101>
<https://www.scopus.com/record/display.uri?eid=2-s2.0-85073467595&origin=resultslist>
https://scholar.google.com/citations?view_op=view_citation&hl=en&user=JScvmocAAAAJ&cstart=20&pagesize=80&sortby=pubdate&citation_for_view=JScvmocAAAAJ:yD5IFk8b50cC
ISSN: 1757-899X

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>



Connecting research and researchers

Claudiu-Ioan INDRE ▾ English ▾

Search... 

You are previewing the public version of your record  **0000-0002-0437-4267** [Edit this record](#)



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

Other IDs >

Scopus Author ID: 57211314400

Name

Claudiu-Ioan INDRE

Activities

Collapse all

Works (5) 

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

Academic Journal of Manufacturing Engineering
2022 | Journal article
EID: 2-s2.0-85145902098
Part of ISSN: [15837904](#)
CONTRIBUTORS: Blaga, F.; Pop, A.; Indre, C.; Hule, V.; Stănăgel, I.

[Show more detail](#)

Source:  Claudiu-Ioan INDRE via Scopus - Elsevier

Modeling with hierarchical colored Petri nets. Case study

IOP Conference Series: Materials Science and Engineering
2020 | Conference paper
DOI: [10.1088/1757-899X/898/1/012017](#)
EID: 2-s2.0-85091500669
Part of ISSN: [1757899X](#) [17578981](#)
CONTRIBUTORS: Blaga, F.S.; Pop, A.; Vesselenyi, T.; Hule, V.; Indre, C.I.

[Show more detail](#)

Source:  Claudiu-Ioan INDRE via Scopus - Elsevier

 Printable version

3.F.2. Citări: Web of Science;

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



Claudiu-Ioan INDRE 
(Indre, C.I.)

 Web of Science ResearcherID: AGL-5097-2022

Published name ⓘ Indre, C. I.

Subject Categories  ENERGY & FUELS; ENGINEERING

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

 Edit

Documents Peer Review

Document FAQs  Manage

5 Documents

☒ Include publications not indexed in Core Collection (3) ⓘ

Date: newest first ▾ < 1 of 1 >

EVALUATION OF THE PERFORMANCE OF A ROBOTIZED MANUFACTURING CELL THROUGH MODELING AND SIMULATION WITH PETRI NETS 
Blaga, F.; Pop, A.; (..); Stănăgel, I.
Published 2022 | Academic Journal of Manufacturing Engineering

Modeling with hierarchical colored Petri nets. Case study
Blaga, F.S.; Pop, A.; (..); Indre, C.I.
Published Aug 2020 | IOP Conference Series: Materials Science and Engineering

0
Times
Cited

Metrics  Open dashboard

Profile summary

5 Total documents
2 Web of Science Core Collection publications
0 Preprints
0 Dissertations or Theses
0 Verified peer reviews
0 Verified editor records

Web of Science Core Collection metrics ⓘ

1 H-Index
2 Publications in Web of Science
2 Sum of Times Cited
2 Citing Articles
0 Sum of Times Cited by Patents
0 Citing Patents

[View citation report](#)

Author Impact Beamplot Summary ⓘ

There are no publications that meet the criteria for inclusion in an Author Impact Beamplot. Learn more by visiting the [Author Impact Beamplots help page](#). 

[View beamplot](#)

Author Position ⓘ

3.F.3. Citări:- SCOPUS

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

This author profile is generated by Scopus. [Learn more](#)

Indre, Claudiu I.

Universitatea din Oradea, Oradea, rou 57211314400 Connect to ORCID

3 Citations by 3 documents 5 Documents 1 h-index View h-graph View all metrics >

Set alert Save to list Edit profile More

Document & citation trends



Scopus Preview

Scopus Preview users can only view a limited set of features. Check your institution's access to view all documents and features.

Check access

5 Documents Author Metrics Cited by 3 documents 0 Preprints 9 Co-Authors 0 Topics 0 Awarded Grants

Note:

Scopus Preview users can only view an author's last 10 documents, while most other features are disabled. Do you have access through your institution? Check your institution's access to view all documents and features.

5 documents

3.F.4. Citări: 190 Google Scholar

<https://scholar.google.com/citations?user=6RiY618AAAAJ&hl=ro>



Claudiu Ioan Indre
Universitatea din Oradea
Nicio adresă de e-mail confirmată
Inginerie Industrială

URMĂRIȚI

TITLU	CITAT DE	ANUL
☐ 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 ...	1	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
☐ 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
☐ 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	5	2021
☐ 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	9	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	3	2020
☐ Experimental approach and finite element analysis of the behavior of a steel bending tool DC Negrau, CI Indre, G Grebenisan IOP Conference Series: Materials Science and Engineering 564 (1), 012052	1	2019
☐ 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	3	2019
☐ 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

Citat de

	Toate	Din 2019
Referințe bibliografice	26	26
h-index	3	3
i10-index	0	0



Coautori

EDITAȚI

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

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

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

4.B.1.

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

4.C.1.

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.

Oradea,
08.01.2024

Dr. ing. Claudiu-Ioan INDRE