

INFORMAȚII PERSONALE

Negoita Catalin

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Data nașterii 22/01/1985 | Naționalitatea Romana

EXPERIENȚA PROFESIONALĂ

15 Ianuarie 2016 - Prezent

Wind River Systems – Galati – Software Engineer

- Software design of new software modules
- Development, testing and debugging of device drivers
- Optimizing performance for device drivers
- Drivers and applications development on various embedded systems

6 Februarie 2012 – 15 Ianuarie 2016

Arcelor Mittal Galati – Software developer – Automation Dept.

- Dezvoltare modele matematice de conducere a procesului tehnologic
- Dezvoltare aplicatii si interfețe grafice cu utilizatorul utilizare in procese specifice industriale
- Dezvoltarea si mentenanta bazelor de date

EDUCAȚIE ȘI FORMARE

Universitatea „Dunarea de Jos” – Facultatea de Stiinte si Mediu

2013 Master: Managementul si Monitorizarea Mediului

2011 Licenta: Fizica Informatica

COMPETENTE PERSONALE

Limba(i) maternă(e) Romana

Alte limbi străine cunoscute

	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Engleza	C1/C2	C1/C2	C1/C2	C1/C2	C1/C2

Niveluri: A1/A2: Utilizator elementar - B1/B2: Utilizator independent - C1/C2: Utilizator experimentat

Competență digitală

AUTOEVALUARE				
Procesarea informației	Comunicare	Creare de conținut	Securitate	Rezolvarea de probleme
UTILIZATOR EXPERIMENTAT	UTILIZATOR EXPERIMENTAT	UTILIZATOR EXPERIMENTAT	UTILIZATOR EXPERIMENTAT	UTILIZATOR EXPERIMENTAT

Alte competențe

- Programare: C, C++, C#, Android, python, bash, fortran
- Baze de date: MS SQL Server
- Sisteme de operare : Linux, Windows, OpenVMS

Publicatii:

Lucrări publicate ISI

indexate Thomson Reuters Web of Knowledge – Web of Science (WoS)

Negoita, C., Praisler M., Ion, A., Artificial Intelligence Application Designed to Screen for New Psychoactive Drugs Based on their ATR-FTIR spectra, Proceedings of the 10th Jubilee International Conference of the Balkan Physical Union BPU10, 26-30 August 2018, Sofia, Bulgaria. Mishonov, T. M., Varonov, A.M. (Eds), AIP Conference Proceedings, vol. 2075, issue 1, Article number 170026 (2019). DOI: 10.1063/1.5091391 WOS:000472653800274 ISSN: 0094-243X ISBN: 978-0-7354-1803-5

<https://aip.scitation.org/doi/abs/10.1063/1.5091391> <https://bpu10.balkanphysicalunion.com/>

Praisler, M., Ciochina, S., Coman, M. M., Negoita, C., Chemometric tool for doping control based on Hierarchical Cluster Analysis, in Miclea, L and Stoian, I. (Eds), Proceedings of 2018 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR 2018), 24-26 May 2018, Cluj – Napoca, Romania, IEEE, p. 127. DOI: 10.1109/AQTR.2018.8402722 WOS:000450065900025

Electronic ISBN: 978-1-5386-2205-6 USB ISBN: 978-1-5386-2203-2 Print on Demand(PoD) ISBN: 978-1-5386-2206-3

<https://ieeexplore.ieee.org/document/8402722/>

Praisler, M. Ciochina, S., Negoita, C., Improved Selectivity in Detecting Controlled Amphetamines and their Main Precursors based on Laser Infrared Spectra, Proceedings of the 6th IEEE International Conference on E-Health and Bioengineering (EHB), 28 July 2017, Sinaia, Romania, pp. 233-236. Article number 7995404. DOI: 10.1109/EHB.2017.7995404 WOS: 000445457500059

Electronic ISBN: 978-1-5386-0358-1 Print on Demand(PoD) ISBN: 978-1-5386-1514-0 <http://ieeexplore.ieee.org/abstract/document/7995404/>

LUCRARE CITATA IN

1	Jones, N. S., Comparin, J. H., Interpol review of controlled substances review 2016–2019, Forensic Science International: Synergy, Available online 24 March 2020, DOI: 10.1016/j.fsisyn.2020.01.019 ISSN 2589-871X https://www.sciencedirect.com/science/article/pii/S2589871X2030019X?via%3Dihub
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4. Ciochina, S., Praisler, M., Negoita, C., Cluster Analysis Evaluating the Automated Detection of Drugs of Abuse with a New Hollow Fiber based Quantum Cascade Laser Infrared Spectrometer, Proceedings of the 6th IEEE International Conference on E-Health and Bioengineering (EHB), 28 July 2017, Sinaia, Romania, pp. 237-240. Article number 7995405. DOI:10.1109/EHB.2017.7995405, WOS: 000445457500060 Electronic ISBN: 978-1-5386-0358-1 Print on Demand(PoD) ISBN: 978-1-5386-1514-0 <http://ieeexplore.ieee.org/abstract/document/7995405/>

LUCRARE CITATA IN

1	Jones, N. S., Comparin, J. H., Interpol review of controlled substances review 2016–2019, Forensic Science International: Synergy, Available online 24 March 2020, DOI: 10.1016/j.fsisyn.2020.01.019 ISSN 2589-871X https://www.sciencedirect.com/science/article/pii/S2589871X2030019X?via%3Dihub
2	Altulea, A. H., Jalab, H. A., Ibrahim, R. W., Fractional Hölder mean-based image segmentation for mouse behavior analysis in conditional place preference test, Signal, Image and Video Processing 14 (2020) 135-142. DOI: 10.1007/s11760-019-01533-1 Print ISSN 1863-1703 Online ISSN 1863-1711 ISI Impact factor 1.894 (2018) https://link.springer.com/article/10.1007/s11760-019-01533-1#citeas

în curs de indexare Thomson Reuters Web of Knowledge – Web of Science (WoS)

Negoita, C., Praisler, M., Logistic regression classification model identifying drugs of abuse based on their ATR- FTIR spectra, 6th International Symposium on Electrical and Electronics Engineering - ISEEE 2019, 18 - 20 October 2019, Galați, Romania. DOI: 10.1109/ISEEE48094.2019.9136133 IEEE, Electronic ISBN: 978-1-7281-2906-8 USB ISBN: 978-1-7281-2905-1 Print on Demand(PoD) ISBN: 978-1-7281-2907-5

<https://ieeexplore.ieee.org/abstract/document/9136133>

Ion, A., Gosav, S., Praisler, M., Negoita, C., Artificial neural network designed to identify NBOMe hallucinogens based on 3D-MoRSE descriptors and topological descriptors, in Precup R.-E. (Ed.), 2019 23rd International Conference on System Theory, Control and Computing, ICSTCC 2019 – Proceedings, Article number 8885908, Pages 872-876. DOI: 10.1109/ICSTCC.2019.8885908 ISSN: 2372-1618 . ISBN: 978-172810699-1
<https://ieeexplore.ieee.org/document/8885908>

Lucrări publicate în reviste BDI

Negoita, C., Praisler, M., Evolutionary algorithm applied for improving the accuracy of the automated detection of psychedelic amphetamines, Annals of "Dunarea de Jos" University of Galati, Mathematics, Physics, Theoretical Mechanics, Fascicle II, Year X (XXXXI) 2018, No. 1, p. 70-75. ISSN 2067-2071
http://www.phys.ugal.ro/Annals_Fascicle_2/

Negoita, C., Praisler, M., Identification of Functional Groups in the ATR-FTIR Spectra of 2C-x and DOx Amphetamine Analogues, Annals of "Dunarea de Jos" University of Galati, Mathematics, Physics, Theoretical Mechanics, Fascicle II, Year IX (XXXX) 2017, No. 1, p. 25-30. ISSN 2067-2071,
http://www.phys.ugal.ro/Annals_Fascicle_2/

Lucrări comunicate la conferințe internaționale

Negoita, C., Praisler, M., Improved detection of 2C-x and Dox amphetamines – an analytical tool mitigating the environmental impact of their illicit manufacturing, consumption and disposal, International Conference "Environmental Challenges in the Black Sea Basin: Impact on Human Health", Galati, Romania, September 23-26, 2020. <https://blacksea-cbc.net/projects-newsevents/monitox-bsb27-international-conference-environmental-challenges-in-the-black-sea-basin-impact-on-human-health/>

Negoita, C., Praisler, M., Logistic regression classification model identifying drugs of abuse based on their ATR- FTIR spectra, 6th International Symposium on Electrical and Electronics Engineering - ISEEE 2019, 18 - 20 October 2019, Galați, Romania. DOI: 10.1109/ISEEE48094.2019.9136133 IEEE, Electronic ISBN: 978-1-7281-2906-8 USB ISBN: 978-1-7281-2905-1 Print on Demand(PoD) ISBN: 978-1-7281-2907-5 <http://www.iseee.ugal.ro/2019/>

Ion, A., Gosav, S., Praisler, M., Negoita, C., Artificial neural network designed to identify NBOMe hallucinogens based on 3D-MoRSE descriptors and topological descriptors, in Precup R.-E. (Ed.), 2019 23rd International Conference on System Theory, Control and Computing, ICSTCC 2019 – Proceedings, Article number 8885908, Pages 872-876. DOI: 10.1109/ICSTCC.2019.8885908 ISSN: 2372-1618 . ISBN: 978-172810699-1 <http://www.iseee.ugal.ro/2019/>

Praisler, M., Ciochină, S., Negoită, C., Expert system operating a new portable infrared spectrometer designed to scan for synthetic drugs of abuse, UGAL International Conference "Multidisciplinary HUB for the Higher Education Internationalization by Means of Innovative Interaction with the Labour Market and Society", 26 -27 October 2018, Galati, Romania.
<http://fdi.ugal.ro/index.php/ro/conference-home>

Ciochină, S., Praisler, M., Negoită, C., Automatic detection of illicit psychoactive drugs based on laser infrared absorption spectrometry (IRAS), UGAL International Conference "Multidisciplinary HUB for the Higher Education Internationalization by Means of Innovative Interaction with the Labour Market and Society", 26 -27 October 2018, Galati, Romania.
<http://fdi.ugal.ro/index.php/ro/conference-home>

Negoită, C., Praisler, M., SVM classification model based on a Coarse/Fine Grained Parallel Genetic Algorithm applied for the detection of hallucinogenic amphetamines based on their ATR-FTIR spectra, UGAL International Conference "Multidisciplinary HUB for the Higher Education Internationalization by Means of Innovative Interaction with the Labour Market and Society", 26 -27 October 2018, Galati, Romania. <http://fdi.ugal.ro/index.php/ro/conference-home>

Negoita, C., Praisler M., Ion, A., Artificial Intelligence Application Designed to Screen for New Psychoactive Drugs Based on their ATR-FTIR spectra, Proceedings of the 10th Jubilee International Conference of the Balkan Physical Union BPU10, 26-30 August 2018, Sofia, Bulgaria. Mishonov, T. M., Varonov, A.M. (Eds), AIP Conference Proceedings, vol. 2075, issue 1, Article number 170026 (2019). DOI: 10.1063/1.5091391 WOS:000472653800274 ISSN: 0094-243X ISBN: 978-0-7354-1803-5
<https://bpu10.balkanphysicalunion.com/>

Praisler, M., Ciochina, S., Coman, M. M., Negoita, C., Chemometric tool for doping control based on Hierarchical Cluster Analysis, in Miclea, L and Stoian, I. (Eds), Proceedings of 2018 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR 2018), 24-26 May 2018, Cluj – Napoca, Romania, IEEE, p. 127. DOI: 10.1109/AQTR.2018.8402722 WOS:000450065900025 Electronic ISBN: 978-1-5386-2205-6 USB ISBN: 978-1-5386-2203-2 Print on Demand(PoD) ISBN: 978-1-5386-2206-3
<http://www.aqtr.ro/>

Praisler, M. Ciochina, S., Negoita, C., Improved Selectivity in Detecting Controlled Amphetamines and their Main Precursors based on Laser Infrared Spectra, Proceedings of the 6th IEEE International Conference on E-Health and Bioengineering (EHB), 28 July 2017, Sinaia, Romania, pp. 233-236. Article number 7995404. DOI: 10.1109/EHB.2017.7995404 WOS: 000445457500059 Electronic ISBN: 978-1-5386-0358-1 Print on Demand(PoD) ISBN: 978-1-5386-1514-0 <http://www.ehbconference.ro/2017/Home.aspx>

Ciochina, S., Praisler, M., Negoita, C., Cluster Analysis Evaluating the Automated Detection of Drugs of Abuse with a New Hollow Fiber based Quantum Cascade Laser Infrared Spectrometer, Proceedings of the 6th IEEE International Conference on E-Health and Bioengineering (EHB), 28 July 2017, Sinaia, Romania, pp. 237-240. Article number 7995405. DOI:10.1109/EHB.2017.7995405, WOS: 000445457500060 Electronic ISBN: 978-1-5386-0358-1 Print on Demand(PoD) ISBN: 978-1-5386-1514-0 <http://www.ehbconference.ro/2017/Home.aspx>

Lucrări comunicate la conferințe naționale

Negoita, C., Praisler, M., Evaluation of the accuracy in classifying synthetic hallucinogens based on the Random Forest Model, Book of abstracts SCDS-UDJG 2020, 8th Edition, 18 - 19 June 2020, Galati, Romania. <http://www.cssd-udjg.ugal.ro/>

Negoita, C., Praisler, M., Improving the classification accuracy of psychedelic amphetamines based on the use of Stochastic Descendant Gradient, Book of abstracts SCDS-UDJG 2019, 7th Edition, 13 - 14 June 2019, Galati, Romania. <http://www.cssd-udjg.ugal.ro/>

Negoita, C., Praisler, M., Combining Bootstrap Aggregation and Random Forest Algorithms for refining the automated detection of psychedelic amphetamines,

Book of abstracts SCDS-UDJG 2019, 7th Edition, 13 - 14 June 2019, Galati, Romania. <http://www.cssd-udjg.ugal.ro/>

Coman, M., Negoita, C., Praisler, M., Improving the classification accuracy of synthetic cannabinoids by combining evolutionary and classification algorithms, Book of abstracts SCDS-UDJG 2019, 7th Edition, 13 - 14 June 2019, Galati, Romania. <http://www.cssd-udjg.ugal.ro/>

Coman, M., Negoita, C., Praisler, M., Automated detection of synthetic cannabinoids based on Genetic Algorithms and Partial Least Square Regression, Book of abstracts SCDS-UDJG 2019, 7th Edition, 13 - 14 June 2019, Galati, Romania. <http://www.cssd-udjg.ugal.ro/>

Negoita, C., Praisler, M., Evolutionary algorithm applied for improving the accuracy of the automated detection of psychedelic amphetamines, Book of abstracts SCDS-UDJG 2018, 6th Edition, 7 - 8 June 2018, Galati, Romania. <http://www.cssd-udjg.ugal.ro/>

Negoita, C., Praisler, M., Parameter fine-tuning for improving Partial Least Squares Regression models built for the automated recognition of psychedelic amphetamines, Book of abstracts SCDS-UDJG 2018, 6th Edition, 7 - 8 June 2018, Galati, Romania. <http://www.cssd-udjg.ugal.ro/>

Negoita, C., Praisler, M., Automatic detection of 2C-x and DOx hallucinogenic amphetamines based on genetic algorithms and ATR-FTIR spectroscopy, Workshop National Workshop National Creșterea Relevanței Învățământului Universitar Tehnic în Relație cu Dezvoltarea Industrială Regională, 24 Noiembrie 2017, Galati, Romania. ISBN 978-606-696-098-4

http://www.ing.ugal.ro/Resurse/Paglnit/IM_Program_workshop.pdf

Negoita, C., Praisler, M., Identification of Functional Groups in the ATR-FTIR Spectra of 2C-x and DOx Amphetamine Analogues, Book of abstracts CSSD-UDJG 2017, 5th Edition, 8 - 9 June 2017, Galati, Romania, p. 59.

<http://www.cssd-udjg.ugal.ro/index.php/abstracts-2017>

Negoita, C., Praisler, M., Detection of Illicit Amphetamines Performed with Artificial Neural Networks (ANN) Running on Small Scale Portable Hardware with Custom Embedded Operating System, Book of abstracts CSSD-UDJG 2017, 5th Edition, 8 - 9 June 2017, Galati, Romania, p. 60.

<http://www.cssd-udjg.ugal.ro/index.php/abstracts-2017>

Premii:

Premiul I, secțiunea 4: Negoita, C., Praisler, M., Identification of Functional Groups in the ATR-FTIR Spectra of 2C-x and DOx Amphetamine Analogues, Book of abstracts CSSD-UDJG 2017, 5th Edition, 8 - 9 June 2017, Galati, Romania, p. 59. <http://www.cssd-udjg.ugal.ro/index.php/abstracts-2017>

Premiul III, secțiunea 2: Negoita, C., Praisler, M., Evolutionary Algorithm Applied for Improving the Accuracy of the Automated Detection of Psychedelic Amphetamines Conferința Scolii Doctorale Universitatea "Dunarea de Jos" Galati 2017 Book of abstracts CSSD-UDJG 2018, 6th Edition, 7 - 8 June 2018, Galati, Romania, p.56 . http://www.cssd-udjg.ugal.ro/files/2018/05_Program_detaliat_al_conferintei_2018.pdf <http://www.cssd-udjg.ugal.ro/index.php/abstracts-2018>