

INFORMAȚII PERSONALE

Ioana-Corina BOGDAN✉ Corina.bogdan@unitbv.ro**Contact:**

Str. Nicolae Balcescu, nr. 56, Braşov, Romania
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EXPERIENȚA PROFESIONALĂ

- 2021 - Prezent Sef de Lucrari, – Universitatea Transilvania din Brasov, Romania
Departamentul de Electronica si Calculatoare
- 2021 Lector, Universitatea Northeastern, Boston, MA, USA
Departamentul de Inginerie Electrica si Calculatoare
- 2019 – 2020 Cadru Didactic Asociat – Universitatea Transilvania din Brasov, Romania
Departamentul de Electronică și Calculatoare
- 2017 - 2019 Profesor de Predare Asistent, Universitatea Northeastern, Boston, MA, USA
Departamentul de Inginerie Electrica si Calculatoare
- 2015 - 2016 Inginer de Cercetare si Dezvoltare, KAWASAKI Robotics Inc., Wixom, Michigan, USA
Departamentul de Inginerie Avansata, Cercetare si Dezvoltare
- 2015 Profesor Invitat la Ecole Nationale d'Ingenieurs de Metz, Franta
Departament de Design Fabricare si Control – Arts et Métiers ParisTech of Metz

EDUCAȚIE ȘI FORMARE

- 2006 - 2010 Doctorat in Automatica, Procesarea de Imagini si Semnale, si Ingineria
Calculatoarelor, Arie de Aplicatie: Micro-Robotica
Universitatea Paul Verlaine din Metz, Franta
- 2005 - 2006 Masterat de cercetare in Stiinte si Tehnologie, Design, Inovare si
Industrializare, Universitatea Paul Verlaine din Metz, Franta
- 2004 - 2005 Inginerie Mecanica si Fabricare Integrata de Calculator, Student Erasmus-
Socrates, Universitatea Paul Verlaine din Metz, Franta
- 2001 - 2006 Inginerie Electrica si Stiinta Calculatoarelor, Arie de Aplicatie: Automatica
si
Informatica Industriala
Universitatea Transilvania din Brasov, Romania

COMPETENTE PERSONALE

Limba(i) maternă(e) Romana

Alte limbi străine cunoscute

	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Franceza	C	C	C	C	C
Engleza	C	C	C	C	C

Niveluri: A1/2: Utilizator elementar - B1/2: Utilizator independent - C1/2: Utilizator experimentat
Cadrul european comun de referință pentru limbi străine

Competențe informatice

Sisteme de Operare: Windows, RTAI Linux
 Programare: C++, Visual C++6 (GUI), Visual Studio, AS Language for Kawasaki robots
 Modelare si Simulare: Matlab/Simulink/GUI, LabVIEW, AutoCAD, OrCAD, Grafacet, K-ROSET, RobCAD
 Aplicatii: UML, IDEFx/IDEF3/IDEF0, CSS, Javascript, PHP
 Experienta: Kuka and Kawasaki Manipulator robots, Humanoid Robots, Flying Robots

Alte competențe

Certificare in "Cyber Supply Chain Security and Due Diligence Training Course", 2023.
 Dezvoltare Cursuri Online, 2021.
 Programare si Operare pe Controlere Roboti Industriali, Kawasaki Robotics, 2015.
 The 4th Biennial North American Summer School on Surgical Robotics, Carnegie Mellon University, Pittsburgh, PA, 2014.
 The 6th Annual q-bio Summer School on Cellular Information Processing, Computational Neuroscience Theme, US San Diego, CA, 2012.

**Publicații
Prezentări
Proiecte
Conferințe
Seminarii
Distincții
Afilieri
Referințe**
Publicatii, Conferinte, Jurnale, Carti

J. He, Y. Xiao, I.C. Bogdan, S. Nazarian, P. Bogdan, Design Methodology for Energy Efficient Unmanned Aerial Vehicles, (Journal Paper), Transactions on Design Automation of Electronic Systems, Vol. 27, Issue 1, no. 4, pages 1-20, 2022.

J. He, Y. Xiao, P. Bogdan, C. Bogdan: Design Methodology for Energy Efficient Unmanned Aerial Vehicles. CoRR abs/1909.11238 (2019).

I.C. Bogdan, E. Simion, Improving Facial expressions using Games Theory: Application to Hanson Android, Polytechnic University of Bucharest, Scientific Bulletin, Series C, Vol. 85, Iss. 1, ISSN 2286-3540, 2023.

I.C. Bogdan, T. Tarumi, D. Popa, A study of mathematical models used in the cerebral hemodynamics circulation, Polytechnic University of Bucharest, Scientific Bulletin, Series C, Vol. 85, Iss. 3, ISSN 2286-3540, 2023.

I.C. Bogdan, Modélisation et commande de systèmes linéaires de micro-positionnement : application à la production de micro-composants électroniques/Modeling and control of micro-positioning linear axis: application for manufacturing of micro-electronic device, theses.fr – Ioana Corina Bogdan , Modélisation et commande de systèmes linéaires de micro-positionnement : application à la production de micro-composants électroniques, September 23, 2010.

A.S. Jecu, A.G. Demeter, I.C. Bogdan, I.C., "Face-Tracking mount display for Medical and Engineering Applications", 2023 The 17 International Conference on Modern Electric Systems (EMES), Oradea, Romania, DOI: 10.1109/EMES58375.2023.10171630, 2023.

I.C. Bogdan, F.P. Velicea, "Biological barcodes for engineering and medical applications", (ISIM & ISWIM 2023, Book of Abstracts).

A.S. Jecu, A.G. Demeter, I.C. Bogdan, I.C., "Vital parameters monitoring using a portable device", (ISIM & ISWIM 2023, Book of Abstracts).

I.C. Bogdan, T. Takashi, D. Popa, A study of mathematical models used in the the cerebral hemodynamics circulation, (ISIM & ISWIM 2022, Book of Abstracts, ISSN 2821 – 8779, ISSN-L 2821 – 8779).

I.C. Bogdan and E. Simion, Improving Facial expressions using Games Theory: Application to Hanson Android, (ISIM & ISWIM 2022, ISSN 2821 – 8779, ISSN-L 2821 – 8779).

A. Habib, S. Das, I.C. Bogdan, D. Hanson, and D. Popa, "Learning Human-like Facial Expressions for the Android, Phillip K. Dick", International Conference on Automation Science and Engineering, Taiwan, 2014, DOI: 10.1109/CoASE.2014.6899473.

A. Habib, S. Das, I.C. Bogdan, D. Hanson, and D. Popa, "Learning Human-like Facial Expressions for the Android Phillip K. Dick", IEEE International Conference on Robotics and Automation ICRA 2014 Workshop Hong Kong, China.

I.C. Bogdan, and G. Abba, "Identification of mechanical parameters at low velocities for a micro-positioning stage using a Velocity Hysteresis Model", 2012 IEEE International Conference on Robotics and Automation (ICRA), St. Paul, Minnesota, USA, pages 430 - 435, DOI: [10.1109/ICRA.2012.6224720](https://doi.org/10.1109/ICRA.2012.6224720).

I.C. Bogdan, and G. Abba, "Phenomenological modeling and identification of micro-positioning systems" (French), Proceedings of the 2010 IEEE Francophone International Conference of Automation (CIFA), Nancy, France.

I.C. Bogdan, and G. Abba, "Identification of the servomechanism used for micro displacement", Proceedings of the 2009 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), St. Louis, Missouri, USA, pages 1986 - 1991, DOI: [10.1109/IROS.2009.5354592](https://doi.org/10.1109/IROS.2009.5354592).

Carti publicate

H. Modran, I.C. Bogdan, D. Ursutiu and C. Samoila, "Introducere in Programare Grafica LabVIEW si Aplicatii in Electronica, Telecomunicatii si Tehnologii Informationale", 2024.

Sandu, F. si Bogdan, I.C. – Semnale si Sisteme – Analiza si Sinteza Circuitelor Electronice, Editura Universitatii Transilvania, Brasov, 2023 – ISBN: 978-606-19-1671-9.

I.C. Bogdan, Signals and Systems – From theory to practice (Book, Romanian version), MatrixRom, ISBN: 978-606-25-0630-8, 2021.

Premii si Rezultate

AFCO 2023, Team Award Section for A.S. Jecu, A.G. Demeter coordinated by I.C. Bogdan, "Vital parameters monitoring using a portable device", Transilvania University of Brasov, Brasov, Romania.

AFCO 2023, Electrical Engineering Section Award for F.P. Velicea coordinated by I.C. Bogdan, "Biological barcodes", Transilvania University of Brasov, Brasov, Romania.

Dr. Kanako Miura Award of IEEE International Conference on Humanoid Robotics, Madrid, Spain, 2014.

Fellowship at University of Texas at Arlington, STEM Fellowship for Robotic Skin Development, 2013-2014.

Regional Council of Lorraine, Metz, France, Research Scholarship for RFID Tags Development, 2006-2008.

Socrates-Erasmus Scholarship, Mechanical Engineering and Computer Integrated Manufacturing, The University of Metz, 2005.

Transylvania University, Brasov - European Union Socrates Scholarship, 2004.

Transylvania University, Brasov - Dean's Honors List Scholarship, 2001-2006