



Curriculum Vitae



PERSONAL INFORMATION

Name / Surname	Reșceanu Ionuț Cristian
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Nationality	Romanian
Date of birth	
Sex	Masculine

PROFESSIONAL EXPERIENCE

2019-present	Associate Professor University of Craiova, Faculty of Automation, Computers and Electronics
2012-2019	Lecturer University of Craiova, Faculty of Automation, Computers and Electronics
2006-2012	Assistant Professor University of Craiova, Faculty of Automation, Computers and Electronics
2004-2006	Teaching Assistant University of Craiova, Faculty of Automation, Computers and Electronics
2018-2024	Project Team Coordinator, Safety Management & Cybersecurity Forvia Romania – Craiova Technical Center
2015-2018	Software Architect, Functional Safety Manager, Embedded programming, Autosar development, ISO 26262 Hella Romania – Craiova Technical Center
2013 -2015	Tools programmer - C#, C++ UBISOFT Romania SRL
2003-2010	Programmer Database management systems and web applications



EDUCATION AND TRAINING

2017-2018	Graduation Certificate, Postgraduate Psychopedagogical Training - Level II University of Craiova, Department for Teaching Staff Training
2014-2015	Postdoctoral studies, "Management of advanced mechatronic structures using the Internet as a communication medium" University of Craiova, Faculty of Automation, Computers and Electronics
2004-2010	Ph.D., Field: Systems Engineering - Automation University of Craiova, Faculty of Automation, Computers and Electronics
2008 -2009	Graduation Certificate, Psychopedagogical Training postgraduate course - level I University of Craiova, Department for Teaching Staff Training
2003-2005	Master's Degree, Specialization: Software Engineering University of Craiova, Faculty of Automation, Computers and Electronics
1998-2003	Engineering Diploma, Specialization: Computers (in English) University of Craiova, Faculty of Automation, Computers and Electronics

PERSONAL SKILLS AND COMPETENCES

International (Italy, Norway, Spain, Greece) in the fields of computers, systems engineering, mechatronics and robotics.
Team spirit and good strategist acquired from the coordination activities of student organizations, annual internships and student teams for which I was a mentor and coordinator in several international competitions (IEEE CHC60), IEEE CHC61, etc.).

COORDINATION SKILLS AND ABILITIES

- Mentor of the Soft Horders Robotics team – Carol I National College, – First Tech Challenge competition (2017-2019), Nation through Education
- Mentor of the teams participating in the Renesas MCU CAR Rally international competition, Nuremberg 2015, 2016, 2017, 2018, 2019
<https://renesasrulz.com/university/mcurally/>
- Projects implemented in collaboration with Ro Genius S.R.L.: Activity Management Program in an ASC company -Activity System Check (VB.net and SQL Server), Radio Advertising Space Sales Management (ICS Colibri) (MS Visual Studio and MS Access), Advanced System for Electronic Education.
- Projects implemented in collaboration with Ubisoft: 3D graphics engine optimization for mobile application development
- April 2003, Assistant to Prof. Muir John Potter representing Baroness Ema Nicholson for the implementation of the pilot project for people with disabilities: "Introducing Community Action".
- Coordination and supervision of the activities of the project teams within Hella-Forvia by ensuring the achievement of objectives according to requirements and task planning.

**TECHNICAL
COMPETENCES AND
APTITUDES**

- Programming languages (Java, PHP, VB.NET, C, C#), databases (MSSQL Server, MS ACCESS, MySQL, Oracle 10g), word processors and spreadsheets (MS Office application package), systems control (Matlab -Simulink), fault detection-localization, microcontroller programming, integrated systems, AUTOSAR, ISO 26262,
- TUV ISO 21434 Automotive Cyber Security Certification
- Reviewer at many national and international conferences (Int. Conference on System Theory, Control and Computing ICSTCC, Int. Carpathian Control Conference ICC)

**MEMBER OF
PROFESSIONAL
ASSOCIATIONS**

- SRR (Romanian Society of Robotics) since 2004
- SRAIT Craiova (Romanian Society of Automation and Technical Informatics)
- IEEE member

**AWARDS AND
DISTINCTIONS**

- **International Competitions:** organized by IEEE Computer Society: October 2006 IEEE CHC60 -Mention Award, July 2007IEEE CHC61- Web Programming Competition - "Honorable Mention Award"
- 2016 third place in the Renesas MCU CAR Rally international competition, Nuremberg, February, held at Embedded World
- 2017 first place in the Renesas MCU CAR Rally, Nuremberg, March
- 2018 third place in the Renesas MCU CAR Rally international competition, Nuremberg, February
- 2019 second place in the Renesas MCU CAR Rally international competition, Nuremberg, February, held at Embedded World 2019, Nuremberg.
<https://renesasrulz.com/university/mcurally/>

I. Doctoral thesis

Automation domain "Algorithms for monitoring, diagnosis and management of complex mechatronic systems"

- Organizing Institution: University of Craiova
- Scientific supervisor: Prof. Dr. Ing. Mircea Ivănescu
- Year of defense: 2010

**II. Director of research
contracts**

Development of a system for monitoring and predicting the evolution of dental wear in children aged 6-14 years, Beneficiary: Romanian Society for Research in Dental Medicine (SRCMD), Grant coordinator: University of Craiova, Research Infrastructure in Applied Sciences - INCESA, partners: University of Medicine and Pharmacy

**III. Member of research
contracts**

1. Advanced mobile communication systems for reconfigurable, autonomous robotic platforms (SACOM), CEEX 96/2006, Univ. of Craiova = coordinator, project director M. Ivanescu
2. Control and Technological Integration of Intelligent Materials and Structures (CITMSI), Research Center in Mechatronics and Robotics, Univ. Cv. = coordinator, project director M. Ivanescu
3. CEEX 14, module III, promoting research in automation and robotics for integration into European and international research networks
4. CEEX 24, modI, sharing of training and research resources

5. *Holonic Manufacturing Control Platform with Multiple Robots and Integrated Machine Vision for Material Conditioning (RVHOLON)*
6. *Research on Mobile Mini Robots with Pendulum Motion-Based Locomotion (ROBOPEND)*
7. *Revitalization and modernization of the coordinate measuring machine* - Research grant No. 1939/2004, beneficiary MEC - PNDI, Relansin program
8. *Reverse Engineering in Cognitive Modeling and Control of Biomimetic Structures*, PNCDI II No.289/2008, UNIVERSITY of CRAIOVA, Project Coordinator: N. G. BÎZDOACĂ, 2009-2012
9. *Reverse Engineering in Cognitive Recognition and Control of Biomimetics Structures* 415/2010 Bîzdoacă Nicu George
10. *"Development of Biomimetic Design Methodology with Reverse Engineering in Cognitive Recognition and Control of Biomimetic Robots "*, no. 396/2010, coordinator: Bîzdoacă Nicu George
11. Trainer: POSDRU/87/1.3/S/64069, FlexFORM - *Flexible professional training program on mechatronic platforms*, Implementation period: 01.09.2010-31.08.2013, Project coordinator: Technical University of Cluj-Napoca
12. Contract no. 2C/2011 - *Mobility to increase efficiency and sharing information in industrial environment using green IT*, Director grant: conf.dr.ing. Sorin NICOLA, Project Coordinator: prof. dr. ing. Dan POPESCU, Beneficiary: Silvio Tronchetti Provera Foundation, Italy, EUR 15000
13. PN-II-PT-PCCA-2011-3.2-0503 - *Virtual Palpation SYSTEM for advanced training, medical diagnosis and treatment*, project director dr. Gheonea Dan Ionuț - Coordinating institution -University of Medicine and Pharmacy of Craiova, total budget 2,836,550.00
14. *Miniature robotic system with reconfiguration and self-multiplication abilities - ROMAR*, Contract number: no.91 of 31.07.2006, Financing subcontract: no.14252 of 27.07.2006, Grant / program coordinator: POLITEHNICA University of Bucharest, Research and Development Center for Mechatronics (UPB-CCDM), Grant / program director: Prof. Eng. Constantin NIȚU, PhD, local partner budget 220,000 lei
15. Practice supervisor - member of the target group in the strategic project no. 57/1.3/S/17884 - *" Specialization of the University teaching staff for the position of supervisor of technological practice and research"* - coordinator of the Gh. Asachi Technical University project in Iasi
16. Senior regional trainer within the project POSDRU/80/2.3/S/59533 *"Increasing economic competitiveness through professional orientation, qualification and retraining of persons employed in the publishing sector"* COMPEDIT
17. *"Intelligent and distributed management of 3 complex autonomous systems integrated in emerging technologies towards personal medico-social assistance and servicing of precision flexible manufacturing lines"*, PN III program Development of the national research and development system, contract 78 PCCDI/2018, internal no. AU 11-18-02, UCV Responsible Prof.dr.ing. Dorian Cojocaru, period 01.03.2018 - 31.08.2020, Total project for 30 months for all partners: 5,287,500 lei,

**Publications in Scientific
Databases**

ANNEX

Total project for 2018 for all partners: 1,533,375 lei, Total project for 30 months for UCV: 1,057,500 lei, Total project for 2018 for UCV: 306,675

18. *Increasing the research capacity of the University of Craiova through investments in Cloud and Big Data infrastructures*, identifying high-performance, flexible visualization solutions, adapted to the specifics of research at the University of Craiova; identifying *high-performance and financially efficient Big Data solutions and involvement in the project activities* – POC SMIS 124488.
19. Contract Nr. PN-IIPT-PCCA-2011-3.2-0503, finanțat de Ministerul Cercetării și Educației din România, titlul proiectului: Virtual Palpation System For Advanced Training, Medical Diagnostic And Treatment- VIP System, PNII, PNCDI-II-Parteneriate NR. 592, durata: 2012-2016, Director de proiect: Prof. dr. ing. Nicu Bîzdoacă,
20. VANGUARD – VR “VANGUARD” - InnoVAtive VR tools for enhanciNG the secUrity of NATO exteRnal borDers - multi-year project G6234, Universitatea din Craiova, proiect dezvoltat în parteneriat cu Universitatea Tehnică a Moldovei, câștigat în anul 2024, în cadrul competiției NATO Science for peace and security programme, 2024-2027, 300.000 euro



<https://scholar.google.com/citations?user=S9R6uGAAAAAJ&hl=ro>



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Web of Science ResearcherID: S-4728-2019



Scopus

Scopus Author ID: 16031983600



<https://www.brainmap.ro/ionut-cristian-resceanu>

Published scientific papers