



Ovidiu Petru Stan

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Gender: Male **Date of birth**: 19 Oct 1984 **Nationality**: Romanian

WORK EXPERIENCE

Technical University of Cluj Napoca

City: Cluj Napoca | **Country**: Romania

[1 Oct 2024 – Current] **Professor**

- Conduct research activities in cybersecurity, reliability engineering, semantic interoperability, and digital innovation.
- Teach undergraduate courses: *Reliability and Diagnosis, Project Management, Project Implementation methodologies, Digital Security*.
- Teach master's courses: *Project Management, Cyber-Physical Systems Security*.
- Supervise PhD students
- Mentor early-career faculty and strengthened interdisciplinary partnerships across faculties

Technical University of Cluj Napoca, Faculty of Automation and Computer Science

City: Cluj Napoca | **Country**: Romania

[Sep 2020 – Current] **Associate Professor**

- Research activities
- Didactic activities for Undergraduate students (Reliability and Diagnosis, Project Management, Digital Security)
- Didactic activities for Master of Science students (Project Management)
- Carrying out the members' personal establishments (organizational chart)
- Coordinated and participated in the elaboration of the documentation for accreditation of the Romanian and English Faculty's departments in Cluj-Napoca and Satu-Mare - Bachelor's degree

Compartment for the Relationship with the Socio-Economic Environment, Technical University of Cluj

[31 Jan 2019 – Current] **Director**

- Strategically develop and manage partnerships between the university and socio-economic stakeholders, enhancing knowledge transfer and innovation capacity.
- Design and maintain a centralized collaboration database to streamline industry-academia interactions.
- Initiate and organize joint projects, events, and workshops to foster cooperation and address market-driven challenges.
- Facilitate student internships, collaborative R&D projects, and consultancy services, aligning academic expertise with industry needs.
- Secure and coordinate national and international partnerships, enabling participation in EU-funded and innovation-driven initiatives.

Asociatia Techlounge

City: Bucuresti | **Country**: Romania

[31 Oct 2015 – Current] **Program manager Innovation Labs Cluj & Ambassador & Mentor**

- Lead the annual Innovation Labs Cluj pre-acceleration program, supporting early-stage tech startups from concept to prototype.
- Coordinate the promotion, recruitment, and onboarding of participants, attracting students, young professionals, and researchers to the program.
- Build and manage a mentor network of industry experts, entrepreneurs, and academics to guide teams throughout the program.
- Mentor startup teams directly on business modeling, pitching, and product development strategies.
- Foster collaboration between startups, corporate partners, and the academic community, contributing to the growth of the Romanian innovation ecosystem.

Technical University of Cluj Napoca, Faculty of Automation and Computer Science

City: Cluj Napoca | **Country:** Romania

[Sep 2013 – Sep 2020] **Senior lecturer**

- Research activities
- Didactic activities for Undergraduate students (Reliability and Diagnosis, Project Management,)
- Didactic activities for Master of Science students (Project Management, Advanced Internet Technologies)

KL University

City: Vijayawada | **Country:** India

[21 Feb 2019 – 3 Mar 2019] **Invited professor**

- Teaching activities / lectures regarding the following topics:
 - Dynamic Web Publishing
 - Google's Tensor flow Framework to create artificial neural networks for Machine Learning

IEEE International Conference on Automation, Quality and Testing, Robotics

City: Cluj Napoca | **Country:** Romania

[31 Dec 2011 – Current] **WEB & PUBLICATION CHAIR**

- update the conference website
- keep and manage the contact with the IEEE in order to fulfill all the IEEE specifications
- manage and assigned reviewers to the received papers
- create the program and manage the rooms necessary for the conference
- manage the contact with **ISI Web of Knowledge**

Centrul de Informatica Miniera

City: Cluj Napoca | **Country:** Romania

[Feb 2014 – Dec 2015] **Teaching associate professional**

- teaching activities

Technical University of Cluj Napoca, Faculty of Automation and Computer Science, Department of Auto

City: Cluj Napoca | **Country:** Romania

[2010 – 2013] **Assistant teacher**

- research activities

- didactic activities (Reliability and Diagnosis, Computer Aided Design, Project Management, Advanced Internet Technologies, Application-Oriented Software Environments)

Technical University of Cluj Napoca, Faculty of Automation and Computer Science, Department of Auto

City: Cluj Napoca | **Country:** Romania

[Sep 2009 – Sep 2011] **Research assistant**

- research activities throughout the national research project entitled "Development of an Electronic Healthcare Record", PN2-Parteneriate, ctr. nr. 11-050/2007

- didactic activities in Automation Department (Reliability and Diagnosis, Computer Aided Design)

Software AB International

City: Cluj Napoca | **Country:** Romania

[Oct 2003 – May 2004] **Computer programmer & service technician**

- maintenance of the computers

- test and validate the code bar equipment sold to the parties

- developing of the necessary software application in order to collect information through bar code

EDUCATION AND TRAINING

[2007 – 2011] **Doctorate in System Engineering**

Technical University of Cluj Napoca, Faculty of Automation and Computer Science

City: Cluj Napoca | **Country:** Romania | | **Level in EQF:** EQF level 8

Thesis title - Techniques for ensuring interoperability in a patient's electronic health record

Thesis scientific coordinator - Prof.dr.ing. Liviu Miclea

[2007 – 2011] **Master's Degree in Advanced Manufacturing Control**

Technical University of Cluj Napoca, Faculty of Automation and Computer Science, Department of Auto

City: Cluj Napoca | **Country:** Romania | | **Level in EQF:** EQF level 7

[2002 – 2008] **Bachelor Degree in Engineering**

Technical University of Cluj Napoca, Faculty of Automation and Computer Science, Department of Auto

City: Cluj Napoca | **Country:** Romania | | **Level in EQF:** EQF level 6

Thesis title - Didactic Test Equipment

[26 Feb 2011 – 3 Mar 2011] **Participant**

16th Estonian Winter School in Computer Science (EWSCS), organized by INSTITUTE of CYBERNETICS

City: Palmse | **Country:** Estonia |

[2 Jul 2017 – 12 Jul 2017] **participant**

LANGUAGE SKILLS

Mother tongue(s): Romanian

Other language(s):

Spanish

LISTENING B2 **READING** B2 **WRITING** A2

SPOKEN PRODUCTION B1 **SPOKEN INTERACTION** B1

English

LISTENING C2 **READING** C2 **WRITING** C2

SPOKEN PRODUCTION C2 **SPOKEN INTERACTION** C2

French

LISTENING B1 **READING** B1 **WRITING** A2

SPOKEN PRODUCTION B1 **SPOKEN INTERACTION** B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

JOB-RELATED SKILLS

Job-related skills

Scientific Activity

Research area

- Cybersecurity and data protection
- e-Health and medical informatics
- Semantic interoperability
- Fault-tolerant and dependable systems
- Digital circuits and hardware–software co-design
- Information management through the internet
- Cloud–Fog–Edge computing and AI reliability

Publications

- 70+ peer-review scientific papers (58 ISI-indexed)
- 9 books and book chapters

Research contracts

- As Project Director / Partner responsible:
 - FortiFyAI: Improving efficiency, reliability, and security through integrated HW-SW Co-Design for AI algorithms, international grant, PN-IV-P8-8.3-PM-RO-FR-2024-0095
 - Innovate European University of Technology, Inno-EUt+, international grant, 9 partners (Phase A, Phase B, Phase 2B)
 - Security of medical data, national grant ARUT 2018
 - Specialized consultancy services for the Machine Learning and Automation Laboratory, Cluj Napoca City Hall
 - Software design for service monitoring at the level of the medical network, through innovative solution integration [internal code SF4]. This project is part of POSCCE "Innovative Development Through Urban Ecosystem Informatisation in Cluj-Napoca" - SMIS code 49752, Cluj ITCluster - SMIS code 49752 of Cluj ITCluster
- As Project Member:

- Development of a patient's electronic health record, DESP, national grant, PN2-Parteneriate, ctr. nr. 11-050/2007, 2007-2010
 - SCADA federation systems, collaborative tool for water resource management – Pilot application for the Someș collector - F2S, national grant, PN-II-PT-PCCA-2013-4-1052
 - Healthy lifestyle promotion among children with learning disabilities by using communication networks, media and information technology, national grant, PNII-RU-TE-2014-4-2631
 - Robots and Society: Cognitive Systems for Personal Robots and Autonomous Vehicles - ROBIN, national grant, 72PCCDI/2018
 - The dynamics of SARS-CoV-2 virus transmission in Romania, national grant, 10Sol/2020
 - Integration solutions between Sharepoint collaboration platform and intelligent reporting systems, 26177/29.08.2022
 - The European Digital Innovation Hub in Transilvania, international grant, Project code 101083508 TDIH, DIGITAL-2021-EDIH-01
 - Cybersecurity Seminars @ UTCN project, supported by Google.org, international grant
 - Empowering Early Career Researchers with new Opportunities and Skills, HORIZON-WIDERA-2024-ERA- 02-03
- 15 (4 as director) institutional projects
 - **Director** - "Engineers for tomorrow in the context of the new industrial revolution - NextIng", CNFIS-FDI-2022-0442, CNFIS-FDI-2023-F-0421, CNFIS-FDI-2024-F-0374
 - **Member** - "Be a part of the Informational Society", POSDRU/132/5.1/G/134060
 - **Member** - "New and flexible educational offers for the tertiary technical education in line with changing labor market requirements", POCU/320/6/21/122333
 - **Member** - Advanced Internship for Success in Engineering Careers - PAVING, POCU 12677/14.10.2020
 - **Member** - "UTCN Students - Entrepreneurs in the Digital World", CNFIS-FDI-2018-0438, CNFIS-FDI-2019-0579, CNFIS-FDI-2020-0496, CNFIS-FDI-2021-0199, CNFIS-FDI-2022-0615, CNFIS-FDI-2023-0460
 - **Member** - "EUt+ - European University of Technology", EAC-A02-2019-2019 / EAC-A02-2019-1
 - **Member** - "EUt+ - European University of Technology: Accelerate Phase", ERASMUS-EDU-2023-EUR-UNI