

# Curriculum vitae



## Personal information

Name: Petru Cașcaval  
Nationality: Romanian  
Date of birth: July 14, 1962  
Civil status: Married  
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## Management

President of the didactic and quality assurance commission of the senate of the "Gheorghe Asachi" Technical University of Iasi (**TUIASI**), March 2020 - present

Head of Department of Computer Science and Engineering (**DCSE**), Faculty of Automatic Control and Computer Engineering (**FACCE**), "Gheorghe Asachi" Technical University of Iasi, Dec. 2005 – Sept. 2020

Member of the Senate of TUIASI, 2006 - present

Vice-Dean with academic affairs, FACCE, TUIASI, 2002-2004

## Fields of interest

RAM memory testing, Modelling and simulation of discrete-event systems, Markov chains, Petri Nets, Reliability and fault-tolerance, Performance evaluation in complex systems, Digital system testing and testable design

## Work experience

Period: February 2007 – present

Position: Professor

Subjects taught: Modelling and simulation, Real-Time systems, Reliability and safety in operation, Performance and reliability of complex systems

Place, institution: FACCE, DCSE, TUIASI

Period: October 2002 – February 2007

Position: Associate professor

Subjects taught: Modelling and simulation, Real-Time systems, Performance evaluation

Place, institution: FACCE, DCSE, TUIASI

Period: October 1994 – September 2002

Position: Lecturer

Subjects taught: Modelling and simulation, Software engineering

Place, institution: FACCE, DCSE, TUIASI

Period: October 1991 – October 1994

Position: Teaching assistant

Subjects taught: Computer testing, Fault-tolerant systems, Computer programming

Place, institution: FACCE, DCSE, TUIASI

Period: October 1987 – October 1991

Position: System engineer

Place, institution: Bacau, Romania, Machine Tools Company

### **Education and qualifications**

Period: October 1993 – July 2001

Qualification/diploma obtained: PhD diploma, thesis title: "New results in digital system testing", scientific advisor: Prof. Corneliu Huțanu, PhD

Place, institution: FACCE, TUIASI

Period: October 1982 – July 1987

Qualification/diploma obtained: Engineer diploma

Place, institution: Faculty of Electrical Engineering, TUIASI (Specialization on Automatic control and computers)

Period: September 1977 – July 1981

Qualification/diploma obtained: High school diploma

Place, institution: „Costache Negruzzi” National College of Iași

### **Language skills**

Mother language: Romanian

Foreign languages: English

### **Mobilities**

Warsaw University of Technology, June 1994

National Technical University of Athens, May 1997

University of Sheffield, May - July 1999

## **Member in the scientific programme committees of conferences**

14th Asian Conference on Intelligent Information and Database Systems (ACIIDS 2022 ),  
Almaty, Kazakhstan

IEEE 23rd Int. Carpathian Control Conference (ICCC 2022), Sinaia, 2022,  
<http://ace.ucv.ro/iccc2022/>

IEEE 25th Int. Conf. on System Theory, Control and Computing (ICSTCC), Iași, 2021;  
<https://icstcc2021.ac.tuiasi.ro/>

IEEE 23th Int. Conf. on Control Systems and Computer Science (CSCS'23), București, May  
2021; <http://cscs23.hpc.pub.ro/>

IEEE 24th Int. Conf. on System Theory, Control and Computing (ICSTCC), Sinaia, 2020;  
<http://ace.ucv.ro/icstcc2020/>

The 11th edition of the International Conference on Computational Collective Intelligence,  
ICCCI 2019 - Special Session on Intelligent Modeling and Simulation Approaches for Real  
World Systems, Hendaye, France, September 4-6, 2019, <http://iccci.sigappfr.org/>

X International Conference on Electronics, Communications and Computing,  
ICECCO – 2019, Chișinău, October 2019, <http://www.icmcs.utm.md/>

IEEE 23th Int. Conf. on System Theory, Control and Computing (ICSTCC) Sinaia, 2019;  
<http://icstcc2019.cs.upt.ro/>

IEEE 22th Int. Conf. on Control Systems and Computer Science (CSCS'22), București, May  
2019; <http://cscs22.hpc.pub.ro/>

IEEE 22th Int. Conf. on System Theory, Control and Computing (ICSTCC) Sinaia, 2018;  
<http://www.icstcc.ugal.ro/2018/> (ISI Proceedings)

IEEE 21th Int. Conf. on Control Systems and Computer Science (CSCS'21), București,  
2017; <http://cscs21.hpc.pub.ro/> (ISI Proceedings)

IX Int. Conf. on Microelectronics and Computer Science, Chișinău, 2017;  
<http://www.icmcs.utm.md/>

IEEE 18th International Carpathian Control Conference, Craiova, 2017;  
<http://ace.ucv.ro/iccc2017/> (ISI Proceedings)

IEEE 21th Int. Conf. on System Theory, Control and Computing (ICSTCC), Sinaia, 2017;  
[www.icstcc2017.ac.tuiasi.ro/](http://www.icstcc2017.ac.tuiasi.ro/) (ISI Proceedings)

IEEE 20th Int. Conf. on System Theory, Control and Computing (ICSTCC), Sinaia, 2016.  
[ace.ucv.ro/icstcc2016/](http://ace.ucv.ro/icstcc2016/) (ISI Proceedings)

IEEE 20th Int. Conf. on Control Systems and Computer Science (CSCS'20), București,  
2015; <http://cscs20.hpc.pub.ro/> (ISI Proceedings)

IEEE 19th Int. Conf. on System Theory, Control and Computing (ICSTCC), Cheile Grădiștei  
- Fundata, 2015. <http://www.aie.ugal.ro/icstcc/icstcc2015/> (ISI Proceedings)

The 7th Balkan Conference in Informatics (BCI 2015), Craiova, 2015;  
<http://software.ucv.ro/BCI2015/>

IEEE 19th Int. Conf. on Control Systems and Computer Science, București, 2014;  
<http://cscs19.acs.pub.ro/> (ISI Proceedings)

VIII Int. Conf. on Microelectronics and Computer Science, Chișinău, 2014;  
[http://www.icmcs.utm.md/icmcs\\_2014/](http://www.icmcs.utm.md/icmcs_2014/)

IEEE 18th Int. Conf. on System Theory, Control and Computing (ICSTCC), Sinaia, 2014;  
<http://www.ace.tuiasi.ro/icstcc2014/>

IEEE 17th Int. Conf. on System Theory, Control and Computing (ICSTCC), Sinaia, 2013 ;  
<http://ace.ucv.ro/icstcc2013/> (ISI Proceedings)

IEEE 16th Int. Conf. on System Theory, Control and Computing (ICSTCC), Sinaia, 2012;  
[www.aie.ugal.ro/icstcc2012/](http://www.aie.ugal.ro/icstcc2012/)

IEEE 15th Int. Conf. on System Theory, Control and Computing (ICSTCC), Sinaia, 2011;  
[www.ace.tuiasi.ro/icstcc2011/](http://www.ace.tuiasi.ro/icstcc2011/)

VII Int. Conf. on Microelectronics and Computer Science, Chișinău, 2011;

IEEE 14th Int. Conf. on System Theory and Control (ICSTC), Sinaia, 2010;

Int. Conf. on Advances in Electro-Techologies, Oradea, 2010;

Int. Conf. on Engineering of Modern Electric Systems, Oradea, 2009;

VI Int. Conf. on Microelectronics and Computer Science, Chișinău, 2009;

V Int. Conf. on Microelectronics and Computer Science, Chișinău, 2007

### **Member in Editorial Advisory Board**

Journal of Engineering Science, ISSN 2587-3474

Buletinul Institutului Politehnic din Iași – Automatic Control and Computer Science Section,  
ISSN: 1220 – 2169; Associated Editor, 1998 – 2008;

Journal of Computer Science and Control Systems, ISSN: 1844-6043

### **Other activities**

Coordinator of the "Computers" study programme, Bachelor's level, FACCE, TUIASI, 2005-2020

Responsible for the master's domain in "Computers and Information Technology" FACCE, TUIASI

ARACIS Evaluator (2010) - (ARACIS - The Romanian Agency for Quality Assurance in Higher Education)

## **Awards**

Best paper award: P. Cașcaval, S.A. Floria, „SDP Algorithm for network reliability evaluation”, IEEE Conf. on INnovations in Intelligent Systems and Applications (INISTA2017), Gdynia, Poland, 3-5 July 2017, DOI: 10.1109/INISTA.2017.8001143 <http://inista.org/inista17/>

## **Promoter of the PhD Thesis:**

„New test algorithms for coupling faults in random-access memories”, Dr. Cristina Huzum (Neculiță), FACCE, DCSE, TUIASI, 2011.

## **Member in the jury of the PhD Thesis:**

„Artificial intelligence techniques for performance evaluation in complex networks”, Dr. Sabina-Adriana Floria, “Gheorghe Asachi” Technical University of Iasi, 2020.

„Development of Applications in Cryptography, Testing and Detecting/Correcting Error Codes”, Dr. Mirella Amelia MIOC, The University “Ștefan cel Mare” of Suceava, 2016.

„Contributions to parallelization of pattern-recognition algorithms”, Dr. Ștefania Iuliana ISAC (ȘOIMAN), The University “Ștefan cel Mare” of Suceava, 2015.

„Applications of artificial intelligence in heterogeneously distributed systems”, Dr. Adrian Alexadrescu, “Gheorghe Asachi” Technical University of Iasi, 2012.

November, 2021

Prof. Petru Cașcaval

