Curriculum vitae

Personal information

Name: Petru Caşcaval
Nationality: Romanian
Date of birth: July 14, 1962
Civil status: Married
Telefon / Fax: +40-232-232430
E-mail: cascaval@cs.tuiasi.ro, petru.cascaval@academic.tuiasi.ro

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: Bacău, 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 Huţanu, 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 Iaşi

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

The 24th Conference on Control Systems and Computer Science (CSCS24), Bucharest, Romania, 2023, https://cscs24.hpc.pub.ro/

IEEE 24th International Carpathian Control Conference (ICCC 2023), Miskolc, Hungary http://iccc.uni-miskolc.hu/

14th Asian Conference on Intelligent Information and Database Systems (ACIIDS 2022), Ho Chi Minh City, Vietnam, 2022, PC member: Special session IPROSE.

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), Iaşi, 2021; https://icstcc2021.ac.tuiasi.ro/

IEEE 23th Int. Conf. on Control Systems and Computer Science (CSCS'23), Bucureşti, 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, Chişinău, October 2019, http://www.icmcs.utm.md/

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

IEEE 22th Int. Conf. on Control Systems and Computer Science (CSCS'22), Bucureşti, 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), Bucureşti, 2017; http://cscs21.hpc.pub.ro/ (ISI Proceedings)

IX Int. Conf. on Microelectronics and Computer Science, Chişinău, 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/ (ISI Proceedings)

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

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

IEEE 19th Int. Conf. on System Theory, Control and Computing (ICSTCC), Cheile Gradiştei - 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, Bucureşti, 2014; http://cscs19.acs.pub.ro/ (ISI Proceedings)

VIII Int. Conf. on Microelectronics and Computer Science, Chişinău, 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/

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

VII Int. Conf. on Microelectronics and Computer Science, Chişinău, 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, Chişinău, 2009;

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

Member in Editorial Advisory Board

Journal of Engineering Science, ISSN 2587-3474, Technical University of Moldova, Chișinău, Member of Editorial Board, 2019 – prezent, https://jes.utm.md/editorial-board/

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

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. Caşcaval, S.A. Floria, „SDP Algorithm for network reliability evaluation", IEEE Conf. on INnovations in Intelligent Systems ans Applications (INISTA2017), Gdynia, Poland, 3-5 July 2017, DOI: 10.1109/INISTA.2017.8001143 http://inista.org/inista17/

Co-promoter of the PhD Thesis:

„New test algoritms for coupling faults in random-access memories", Dr. Cristina Huzum (Neculiţă), FACCE, DCSE, TUIASI, 2011, Advisor Prof. Alexandru Valachi

„Artificial intelligence techniques for performance evaluation in complex networks", Dr. Sabina-Adriana Floria, „Gheorghe Asachi" Technical University of Iasi, 2020, Advisor Prof. Florin Leon.

Member in the jury of the PhD Thesis:

„Categorical Mechanisms in Multi-level Modeling Methods", Dr. Daniel Cristian Crăciunean, "Lucian Blaga" University of Sibiu, 2022.

„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 "Ştefan cel Mare" of Suceava, 2016.

„Contributions to parallelization of pattern-recognition algorithms", Dr. Ştefania Iuliana ISAC (ŞOIMAN), The University "Ştefan cel Mare" of Suceava, 2015.

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

„New test algoritms for coupling faults in random-access memories", Dr. Cristina Huzum (Neculiţă), FACCE, DCSE, TUIASI, 2011.

"Evaluarea performanţelor sistemelor de calcul prin reţele Petri stocastice descriptiv restructurabile", Dr.hab. Emilian Guţuleac, Universitatea Tehnică a Moldovei, Chişinău, 2009.

September, 2023

Prof. Petru Caşcaval, PhD