

PERSONAL INFORMATION

Florin Pop



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Sex Male | Date of birth 25/09/1981 | Nationality Română

POSITION

Senior Researcher, Professor

02/2017–Present

Academic and Professional Experience

Senior Researcher at National Institute for Research and Development in Informatics (ICI), Bucharest, main expertise:

- Distributed Systems
- Advanced Distributed Software Systems
- Monitoring Systems, Scheduling Systems
- Communication Protocols, Security
- Massive Data Processing Methods, and Algorithms using Cloud and Big Data technologies.
- Scheduling strategies.

10/2005–Present

Academic and Professional Experience

University Politehnica of Bucharest (UPB), Faculty of Automatic Control and Computers, Bucharest (Romania)

Academic and research activities within Computer Science Department: Distributed Systems: design, analysis, and performance evaluation, Cloud, Grid and Cluster Computing, Peer-to-Peer Systems, Big Data platforms and processing, Resource management and task scheduling in distributed systems, Optimisation techniques, Numerical Methods

Professor (2016–present), Associate Professor (2013–2016), Assistant Professor - Lecturer (2009–2013), Assistant Professor (2006–2009), Associate Assistant Professor (2005–2006).

Coordinator of research labs: Innovative Services Laboratory for Smart, Digital and Collaborative Future Society (L18-PRECIS, Faculty of Automatic Control and Computers)

2012–Present

Member of the Faculty Council (since 2012), Member of Computer Science Council (since 2012). Director of doctoral school of Automatic Control and Computers, University Politehnica of Bucharest (since 2020).

EDUCATION AND TRAINING

12/2014–Present

Habilitation: defended 15th of December, 2014 – UPB. The thesis: "Adaptive Resource Management in Heterogeneous Distributed Systems" (Ministrului Educației și Cercetării

Științifice nr. 3216 din 18.02.2015).

2000–2013

Postdoc (2010-2013, UPB, thesis on "Data Aggregation and Information Retrieval Services, University Politehnica"), PhD (2005-2008, UPB, thesis on "Optimization of Decentralized Scheduling Strategies in Grid Environments", distinction: "MAGNA CUM LAUDAE"), MSc (2005-2007, UPB, dissertation thesis on Decentralized strategies for dependent task scheduling in Grid environments) and BS (2000-2005, UPB, diploma project on "Intelligent scheduling strategies in Grid environments") in Computer Science, at UPB.

PERSONAL SKILLS

Mother tongue(s) Română

Other language(s)

Engleză

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C2	C2	B2	B2	C1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Organisational / managerial skills

- Director for 5 national-funded projects, and Responsible for 3 international-funded ones.
- Member in 14 EU and 18 national projects (WP responsible in Data4Water, H2020-TWINN-2015 – to be ended in 2019, and Lead Investigator in SERAFIMO, PN-II-PARTENERIATE-2008-12113).

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital competences - Self-assessment grid

- Operating systems Linux and Windows, Scientific computation tools. Editing tools: LaTeX.

ADDITIONAL INFORMATION

Publication records:

- 100+ articles in ISI journals (Cumulative IF: >100), 4 authored books, 3 edited books, over 100 publications (chapters, articles in non-ISI journals, and papers in conferences and workshops - authored, coordinated, or co-authored).
- H-index = 31 (Google Scholar), i10-index = 38 (early research career).

Memberships IEEE, ACM, SRAIT, euroCRIS.

Activity Portfolio

Prof.dr.ing. Florin POP

Senior Researcher at National Institute for Research and Development in Informatics (ICI), Bucharest

Professor at Computer Science Department, University Politehnica of Bucharest

I. EDUCATION AND DIPLOMAS

- **15 Decembrie 2014** – Habilitation thesis entitled "*Adaptive Resource Management in Heterogeneous Distributed Systems*". As a result of my qualification, I was appointed as a member of the Doctoral School of the Faculty of Automatic Control and Computers, UPB, in 2015. In this role, I supervise PhD students in areas such as Resource Management in Cloud Computing, Big Data Processing, Smart Cities, Digital Society.

ACADEMIC STUDIES

- **2010-2013**: Postdoctoral fellowship (3 years) within the project POSDRU/89/1.5/S/62557 "Excellence in research through postdoctoral programs in priority areas of knowledge-based society" (EXCEL) Project Manager: prof.dr.ing. Corneliu BURILEANU. Post-doctoral research project no. EXCEL N1/12 from 01.05.2010, Research subject: *CollectGATE - Data Aggregation and Information Retrieval Services* (Ro: *Serviciu de Agregare și Regăsire a Informației*), University Politehnica of Bucharest
- **2005-2008**: PhD Studies (3 years) within Faculty of Automatic Control and Computers, University Politehnica of Bucharest, supervisor Prof.dr.ing. Valentin Cristea. Thesis Title: *Optimization of Decentralized Scheduling Strategies in Grid Environments* (Ro: *Optimizarea Strategiilor Descentralizate de Planificare în Medii Grid*), Public defense: 15 decembrie 2008, grade: "VERY GOOD" (the highest one in 2008), with distinction: "MAGNA CUM LAUDAE" (The scientific title of **Doctor in Computer Science** based on order of Minister of Education, Research and Innovation No. 3658 from 10.04.2009).
- **2008-2009**: Master studies (1,5 years), Faculty of Applied Sciences, University Politehnica of Bucharest, Specialization: Optical Technologies, Graduation average: 9,87. Dissertation thesis title: "*Evaluation of Information Transmission through Communication Optical Channels*", supervisor Prof.dr.fiz. Dan Iordache. The average of the dissertation exam: 10.00.
- **2005-2007**: Master studies (1,5 years), Faculty of Automatic Control and Computers, University Politehnica of Bucharest, Specialization: Advanced Systems for Internet Applications, Graduation average: 10.00. Dissertation thesis title: *Decentralized strategies for dependent task scheduling in Grid environments* (Ro: "*Strategii descentralizate pentru planificarea activităților cu dependențe în medii Grid*"), supervisor Prof.dr.ing. Valentin Cristea. The average of the dissertation exam: 10.
- **2000-2005**: Bachelor studies (5 years), Faculty of Automatic Control and Computers, University Politehnica of Bucharest, Computer Science Department, specialization C3 - Basic Systems Programs, Graduation average: 9.54. Diploma thesis: *Intelligent scheduling strategies in Grid environments* (Ro: "*Strategii inteligente de planificare în medii Grid*"), supervisor Prof.dr.ing. Valentin Cristea. The average of diploma project exam: 10 (**Diplomat Engineer**).

SECONDARY EDUCATION

- **1996-2000**: National Collage "Mihai Viteazul", București. Graduation avg.: 9,02. The average bacculaureate: 9,33;
- **1988-1996**: Primary and secondary school N0. 46, Bucharest (classes I-VIII); The general average: 9,82;

SPECIALIZATIONS AND SCIENTIFIC TITLES

- June 2017: Obtaining the title of First Degree Scientific Researcher, affiliated to the National Institute for Research - Development in Informatics (ICI), Bucharest
- December 2014: Obtaining the attestation certificate and the title of doctoral supervisor, granted on the basis of the Order of the Minister of Education and Scientific Research no. 3216 of 18.02.2015.
- December 2008: The scientific title of Doctor in Computer Science, with the distinction MAGNA CUM LAUDE, awarded on the basis of the Order of the Minister of Education, Research and Youth no. 3658 of 10.04.2009.
- June 2005: Diploma Engineer in Computer and Computer Science, Computer Specialization, awarded as a result of supporting the diploma thesis at the completion of university studies at the Faculty of Automation and Computer Science, Computer Science, specialization C3, "Software Systems".

COMPLEMENTARY EDUCATION

- February 2020: Participated in the training program with the theme "Integrated platform for satellite observations, in-situ and other derived products", held at the headquarters of the Romanian Space Agency, 25 DI Mendeleev Street,

Bucharest, between 24-27.02.2020 (duration of 32 hours), program supported by SC Quality Business Solutions SRL, within the supply contract no. 55/45 of 17.09.2020.

- 16 Sep 2013 - 17 Sep 2013, *Cognos BI and SPSS for Academics workshop*, organizat de IBM Innovation Center Worldwide.
- April-July 2012: *Machine Learning* courses, Coursera Platform, Classes by Andrew Ng, Associate Professor, Computer Science Department, Stanford University
- BAO: *IBM Data Analytics and Optimization*, Data: 3-5 December 2012, Faculty of Automatic Control and Computers, University Politehnica of Bucharest, Trainer: Marian Pascu, IBM.
- 17 January 2012, *Development of managerial and entrepreneurial skills for young researchers*, Dr. Claudio DONDI, Senate Hall, UPB (within the project EXCEL - POSDRU/89/1.5/S/62557)
- 18 January 2012, *The Management of the Research Projects (Ro: Managementul proiectelor de cercetare)*, asist. univ. Nicoleta IGNAT, Senate Hall, UPB (within the project EXCEL - POSDRU/89/1.5/S/62557)
- 2nd *Training on Software Services-Cloud computing*, November 11-14, West University of Timisoara, Romania (<http://sprers.eu/events/2nd-training-on-software-services>)
- *New Ways to Build and Test High-Performance Parallel Applications*, Thursday, August 30, 2012, 11:30 AM EDT, Webinar (online), Gord Sissons, Senior Product Marketing Manager IBM Corporation.
- *Building Blocks for Private and Hybrid Clouds*, Wednesday, August 8, 2012 11:00 AM - 12:00 PM PDT, Webinar (online), Brian Adler (Sr. Professional Services Architect, RightScale), Ryan Geyer (Sales Engineer, RightScale).
- June-August 2011: Research visit within the Team Associated KerData: Scalable Storage for Clouds and Beyond, INRIA Rennes, France. In the program I have been actively involved in research on: „Mata-data generation based on content analysis for binary large object in Cloud Environment”.
- June 2009: *Project management (Ro: Curs de managementul proiectelor)* within the project PACT (POSDRU/7/2.1/S/3), UPB.
- 3-4 April 2009: *Communication Course (Ro: Curs de comunicare)* within the project PACT (POSDRU/7/2.1/S/3), UPB.
- 5-8 July 2007: *gLite/EGEE in Practice*, RISC-LINZ, Research Institute for Symbolic Computation, Johannes Kepler University, Linz, Austria.
- 19-20 June 2007: *CELL Broadband Engine Programming*, IBM Workshop, Robert W. Todd, Universitatea Politehnica din București.
- 4-15 June 2007: *Intensive Programme – Improving the Security Knowledge in ICT*, EVTEK University of Applied Sciences in Espoo Finland, Studies completed with maximum grade (5.00/5.00).
- 23-27 April 2007: *Oracle 10g: Build J2EE Applications*, Oracle University, București.
- 12-16 March 2007: *Oracle 10g: Program with PL/SQL*, Oracle University, București
- November 2006, *Technologies Entrepreneurship. Theory to Practice*, Prof. Mark Harris, Intel Education, Universitatea Politehnica din București.
- May 2006, *TTCN-3. Modeling and Testing for System and Service Solutions*, George Din, Fokus Fraunhofer Institute.

II. PROFESIONAL EXPERIENCE AND ACADEMIC POSSITIONS

ACADEMIC EXPERIENCE

- **2020 – present:** Director of doctoral school of Automatic Control and Computers, University Politehnica of Bucharest.
- **2017 – present:** First degree scientific researcher, within the National Institute for Research - Development in Informatics.
- **2018 – present:** Member of the general committee of the IEEE Romania Section as Secretary.
- **2016-present:** Professor at the Department of Computer Science (Faculty of Automatic Control and Computers, UPB), Mathematics: Computer Programming, Communication Protocols, Numerical Methods, Programming Systems for Computer Networks, Introduction to Big Data.
- **2013-2016:** Associate Professor at Computer Science and Engineering Department (Faculty of Automatic Control and Computers, UPB) position CONF27, Classes on: Computer Programming, Communication Protocols, Numerical Methods, Software Systems for Computer Networks, Architecture of Service Oriented Information Systems, Scheduling Methods and Algorithms for Distributed Systems.
- **2009–2013:** Assistant Professor (Lecturer) at Computer Science and Engineering Department (Faculty of Automatic Control and Computers, UPB) position ȘL36, Classes on: Computer Programming, Communication Protocols, Numerical Methods, Architecture of Service Oriented Information Systems.

- **2006–2009:** Teaching Assistant at Computer Science and Engineering Department (Department (Faculty of Automatic Control and Computers, UPB) position AS102, Classes on: Communication Protocols, Computer Programming, Data Structures, Software Systems for Computer Networks, Parallel processing algorithms.
- **2005–2006:** Associate Teaching Assistant at at Computer Science and Engineering Department (Faculty of Automatic Control and Computers, UPB) classes on: Numerical Methods, Communication Protocols, Computer Programming, Data Structures and Algorithms.
- **2001–2005:** Associate Teacher of Informatics and ICT, Informatics Department, National College “Mihai Viteazul”, Bucharest.
- Selection as an independent scientific assessor for calls:
 - EUREKA-EUROSTARS, 2015-2017 competitions.
 - Innovation Fund Denmark - Grand Solutions 2016.
 - UEFISCDI, Planului National de Cercetare Dezvoltare Inovare III, 2017.
 - National Science Centre Poland – 2016, 2017

SCIENTIFIC AND RESEARCH EXPERIENCE

List of representative publications¹

1. **Florin Pop**, Ciprian Dobre, Dragos Comaneci, and Joanna Kolodziej. "Adaptive scheduling algorithm for media-optimized traffic management in software defined networks." Computing 98, no. 1-2 (2016): 147-168, ISSN: 0010-485X, doi:10.1007/s00607-014-0406-9, WOS:000368104400008, IF: 0,593.
2. Andrei Sfrent and **Florin Pop**. "Asymptotic scheduling for many task computing in big data platforms." Information Sciences 319 (2015): 71-91, ISSN: 0020-0255, doi:10.1016/j.ins.2015.03.053, WOS:000357707700006, IF: 4,038.
3. Vasile, Mihaela-Andreea, **Florin Pop**, Radu-Ioan Tutueanu, Valentin Cristea, and Joanna Kolodziej. "Resource-aware hybrid scheduling algorithm in heterogeneous distributed computing." Future Generation Computer Systems 51 (2015): 61-71, ISSN: 0167-739X, doi:10.1016/j.future.2014.11.019, WOS:000357544500007, IF: 2,786.
4. **Florin Pop**, Ciprian Dobre, Valentin Cristea, Nik Bessis, Fatos Xhafa, and Leonard Barolli. "Deadline scheduling for aperiodic tasks in inter-Cloud environments: a new approach to resource management." The Journal of Supercomputing 71, no. 5 (2015): 1754-1765, ISSN: 0920-8542, doi:10.1007/s11227-014-1285-8, WOS:000353786700010, IF: 0,858.
5. Vlad Serbanescu, **Florin Pop**, Valentin Cristea, and Gabriel Antoniu. "A formal method for rule analysis and validation in distributed data aggregation service." World Wide Web 18, no. 6 (2015): 1717-1736, doi:10.1007/s11280-015-0334-4, WOS:000361630900009, IF: 1,474.
6. **Florin Pop**, Radu-Ioan Ciobanu, and Ciprian Dobre. "Adaptive method to support social-based mobile networks using a pagerank approach." Concurrency and Computation: Practice and Experience 27, no. 8 (2015): 1900-1912, ISSN: 1532-0626, doi:10.1002/cpe.3103, WOS:000353351800006, IF: 0,997.
7. Mihaela-Catalina Nita, **Florin Pop**, Cristiana Voicu, Ciprian Dobre, and Fatos Xhafa. "MOMTH: multi-objective scheduling algorithm of many tasks in Hadoop." Cluster Computing 18, no. 3 (2015): 1011-1024, doi:10.1007/s10586-015-0454-8, WOS:000361897200002, IF: 1,510.
8. Nik Bessis, Stelios Sotiriadis, **Florin Pop**, and Valentin Cristea. "Using a novel message-exchanging optimization (MEO) model to reduce energy consumption in distributed systems." Simulation Modelling Practice and Theory 39 (2013): 104-120, ISSN 1569-190X, doi:10.1016/j.simpat.2013.02.003, WOS:000326609800008, IF: 1,383.
9. Alexandra Olteanu, **Florin Pop**, Ciprian Dobre, Valentin Cristea, A dynamic rescheduling algorithm for resource management in large scale dependable distributed systems, Computers & Mathematics with Applications, Volume 63, Issue 9, May 2012, pp. 1409-1423, ISSN 0898-1221, doi:10.1016/j.camwa.2012.02.066, WOS:000303700100007, IF: 1,697.
10. **Florin Pop**, Ciprian Dobre, An Efficient PageRank Approach for Urban Traffic Optimization, Mathematical Problems in Engineering, Volume 2012 (2012), Article ID 465613, 9 pages, ISSN: 1024-123X, doi:10.1155/2012/465613, WOS:000307662600001, IF: 0,762.

National research projects and grants²

1. 2017 – 2020: *SPERO - Spatial technologies in the management of major disasters and crises at the local, national and regional level*, project funded by the Minister of Research and Innovation, UEFISCDI, with project code PN-III-

¹ The full list of publications is presented separately, classified by categories (Books, Chapters, Guidance Laboratory, ISI and International Journals, Conferences Proceedings, etc.)

² Projects are presented and their role within (director, participant, expert long / short, etc.)..

- P2-2.1-SOL-2016-03-0046, contract number 3Sol / 2017, under the PNCDI III program, period: April 2017 - September 2020.
2. 2015-2017: *DataWay: Real-time Data Processing Platform for Smart Cities: Making sense of Big Data* (Ro: Platformă de Procesare în Timp Real pentru Big Data în Orașe Inteligente), Project Code PN-II-RU-TE-2014-4-2731, Period: October 2015 - September 2017, Project Director: Florin Pop.
 3. 2013-2014: *SideSTEP: Scheduling Methods for Dynamic Distributed Systems: a self-* approach* (Ro: Metode de Planificare pentru Sisteme Distribuite Dinamice: o Abordare Adaptivă), Project Code PN-II-CT-RO-FR-2012-1-0084, Contract 718/11.04.2013, Period: January 2013 - December 2014, Project Director: Florin Pop.
 4. 2012-2013: *SideDOWN: Smart Internet Data Downloader and Aggregator* (Ro: Serviciu inteligent de extragere și agregare a datelor din Internet), Project Code PN-II-IN-CI-2012-1-0324, Contract 165CI/09.11.2012 (Cecuri de inovare), Coordonator Furnizorul de Servicii (UPB), Period: November 2012 - April 2013, Project Director: Florin Pop.
 5. 2010-2012: *SORMSYS: Resource Management Optimization in Self-Organizing Large Scale Distributed Systems* (Ro: Optimizarea managementului resurselor în sisteme distribuite auto-organizabile de mari dimensiuni), Project Code CNCSIS-PN-II-RU-PD-2010-220, Contract 5/28.07.2012, Period: July 2010-July 2012, Project Director: Florin Pop.
 6. 2007-2009: *Intelligent Strategies for Scheduling Optimization in Grid Environments* (Ro: Strategii inteligente de optimizare a planificării în medii Grid), Project Code CNCSIS-PN-I-RU-TD-20, Contract 49GR/2007, Period: May 2007 - May 2009, Project Director: Florin Pop.
 7. 2010-2013: *CollectGATE - Data Aggregation and Information Retrieval Services* (Ro: Serviciu de Agregare și Regăsire a Informației), Post-doctoral research project no. EXCEL N1/12 from 01.05.2010, Project Director: Florin POP, proiect finanțat prin contractul POSDRU/89/1.5/S/62557 "Excellence in research through postdoctoral programs in priority areas of knowledge-based society" (EXCEL) Project Manager: prof.dr.ing. Corneliu BURILEANU, Competition 2010. Period: May 2010 - April 2013.
 8. 2014-2016: *ClueFarm: Information system based on cloud services, accessible through mobile devices, for quality improvement of products and business development in farms* (Ro: Sistem informatic bazat pe servicii cloud, accesibile prin dispozitive mobile, pentru creșterea calitatii produselor si dezvoltarea afacerilor fermelor agricole), Project code PN-II-PT-PCCA-2013-4-0870, No. 29/2014, Director: Prof.Dr.Ing. Valentin CRISTEA, Period: October 2014 - September 2016, Participant.
 9. 2012-2015: *CYBERWATER: Prototype Cyberinfrastructure-based System for Decision-Making Support in Water Resources Management* (CyberWater: Sistem pilot bazat pe infrastructura cibernetica pentru asistarea luarii deciziilor in managementul resurselor de apa), Project Code PN-II-PT-PCCA-2011-3.1-0602, Contract 47/05.07.2012, Director: Prof.dr.ing. Marian Muste, Period: 5 June 2012 - 5 June 2015. Participant.
 10. 2012-2015: *e-Administration: Preparing national system of e-Administration in Romania* (Ro: e-Administratie: Pregatirea sistemului national de e-Administratie in Romania), Operational Program "Administrative Capacity Development", Project Code SMIS: 32612, Project Manager: Marius Dorian NICOLAESCU, Period: July 2012 - January 2015. Participant.
 11. 2013-2014: *Proiect POSDRU/87/1.3/S/62426: Informatics teacher training in .NET technology* (Ro: Instruirea profesorilor de Informatică pe Tehnologia .NET), Strategic Project POS DRU Priority: 1 – "Education and training in support for growth and development of the knowledge society" (Ro: "Educația și formarea profesională în sprijinul creșterii economice și dezvoltării societății bazate pe cunoaștere"), ID: 87_62426, Project Manager: Gheorghe Dinu, Period: 2013-2014. Participant.
 12. 2010-2013: *INSEED: Strategic program to promote innovation in education services through open, continuous* (Ro: INSEED: Program strategic pentru promovarea inovarii in servicii prin educatie deschisa, continua), OIPOS DRU, Multi-Regional Project, Priority: 1, Education and training in support for growth and development of the knowledge society (Ro: Educația și formarea profesională în sprijinul creșterii economice și dezvoltării societății bazate pe cunoaștere), ID: 57748, Project Manager: Prof.dr.ing. Theodor Borangiu (UPB), Period: September 2010 - August 2013. Participant.
 13. 2010-2012: *e-Learning and e-Content platform for technical higher education curriculum* (Ro: Platformă de eLearning și curiculă eContent pentru învățământul superior tehnic), POS CCE nr. 154/323, Project Code SMIS – 4428, co-financed project through European Regional Development Fund, Investing for your future. Project Director: Prof.dr.ing. Nicolae Țăpuș (UPB). Period: October 2010 - October 2012. Participant.
 14. 2009-2011: *GEEA: High performance multi-core GRID resource center to support research* (Ro: GEEA: Centru de resurse GRID multi-corE de înaltă pErformAnță pentru suportul cercetării), Operational Program POS CCE, Priority AP2: Economic Competitiveness through Research - Development and Innovation, Project Code 226, Contract 51 / 11.05.2009, Project Director: Prof.dr.ing. Nicolae Țăpuș (UPB), Period: 11.05.2009 - 10.05.2011. Participant.
 15. 2009-2011: *DEPSYS: Models and Techniques for Ensuring Reliability, Safety, Availability, and Security for Large Scale Distributed Systems*, Project Code PN-II-IDEI-2008-1710, Contract 618/15.01.2009, Project Director: Prof.dr.ing. Valentin Cristea (UPB), Period: 1 January 2009 - 31 December 2011. Participant.

16. 2008-2011: *SERAFIMO: Integrated platform for financial transactions and electronic banking services made using the technology available on widespread mobile devices* (Ro: *Platformă integrată pentru tranzacții și servicii electronice financiar-bancare realizate folosind tehnologia disponibilă pe dispozitivele mobile cu răspândire largă*), PN-II-PARTENERIATE-2008-12113, Contract 12113/01.10.2008, Programul 4 Parteneriate în domeniile prioritate, Project Director: Prof.dr.ing. Valentin Cristea (UPB). Period: 1 Octombrie 2008 - 10 December 2011. Participant.
17. 2008-2011: *PACT: National partnership to implement faculties-companies projects to transition from school to working life* (Ro: *Parteneriat național pentru implementarea proiectelor firme-facultăți în vederea tranziției de la școala la viața activă*), Proiect POSDRU/7/2.1/S/3, Contract 3405/, Project Director: Prof.dr.ing. Valentin Cristea, Period: 2008-2011. Participant.
18. 2008-2011: *INFOSTRUCTURE: Advanced electronic services platform for optimizing and adapting businesses to real-time economy*, PN-II-INOVARE, Contract nr. 278/07.11.2008, Project Director: Mihai Tănase (UTI Bucharest), Coordonator UPB: Prof.dr.ing. Valentin Cristea, Period: 07 October 2008 - 10 October 2011. Participant.
19. 2007-2010: *PEGAF: Experimental Grid platform for the development of applications oriented towards workflows with dynamic resource allocation*, PN-II-PARTENERIATE-2007-11064, Contract: 11064-1/21.09.2007 Program 4 Partnerships in priority areas, Project Director: Dr. Gabriel Neagu (ICI Bucharest), UPB Coordinator: Prof.dr.ing. Valentin Cristea, Period: 21 September 2007 - 17 September 2010. Participant.
20. 2007-2009: *Decentralized Scheduling in Grid Environments Based on WEB Services Architecture*, Grant CNCSIS-A-512, Research subject 18, Contract: 154/2006, Project Director: Prof.dr.ing. Valentin Cristea (UPB), Period: May 2007 - May 2009. Participant.
21. 2005-2008: *GridMOSI: Virtual organization in Grid technology for high-performance modeling, simulation and optimization*, Grant RELANSIN, Contract CEEX 95/2005, Project Director: Dr. Gabriel Neagu (ICI Bucharest). Period: December 2005 - December 2008. Participant.
22. 2005-2008, *MedioGRID: Parallel and distributed processing on Grid of geographical and environmental data*, Grant INFOSOC, Contract 19CEEX-I03, Project Director: Prof.dr.ing. Dorian Gorgan (Universitatea Tehnică Cluj-Napoca). Period: December 2005 - December 2008. Participant.
23. 2005-2007: *Resource management and Activity Scheduling in Distributed Systems based on Grid Technologies*, Grant CNCSIS-A 288/2005, Project Director: Prof.dr.ing. Valentin Cristea (UPB), Period: 2005 - 2007. Participant.
24. 2004-2006: *MON-I: Distributed monitoring of middleware and applications in national Grid infrastructure*, Grant INFOSOC, Project Director: Prof.dr.ing. Valentin Cristea (UPB), Period: 2004 – 2006. Participant.

International research projects and grants³

1. 2016-2019: *Data4Water* - Excellence in Smart Data and Services for Supporting Water Management, H2020-TWINN-2015, Director: Prof.dr.ing. Mariana Mocanu (UPB).
2. ICT COST Action IC1302, "*Semantic keyword-based search on structured data sources*" (KEYSTONE), proiect EU COST. Member of the Management Committee of the Action (responsible partner): Florin Pop (UPB). Period: November 2013 - November 2017.
3. 2010-2013: *ERRIC: Empowering Romanian Research on Intelligent Information Technologies*, FP7-REGPOT-2010-1, ID: 264207, Project Director: Prof.dr.ing. Adina Magda Florea (UPB), Period: Septembrie 2010 - August 2013. Participant.
4. 2010-2012: *EGI-InSPRE: Integrated Sustainable Pan-European Infrastructure for Researchers in Europe*, FP7 Contract no. RI-261323, Project Director for Romanian partner: Prof.dr.ing. Nicolae Țăpuș (UPB), Period: 1 May 2010 - 30 April 2012. Participant.
5. 2010-2012: *DataCloud@work, INRIA Associate Teams Programme*, INRIA Rennes - Bretagne Atlantique and University Politehnica of Bucharest, Project Director for French partner: Luc Bouge (INRIA), Project Director for Romanian partner: Prof.dr.ing. Valentin Cristea (UPB), Period: 2010-2012. Participant.
6. 2008-2010: *EGEE III: Enabling Grids for E-science*, Fp7 Contract no. INFOSOC-RI-222667, Project Director for Romanian partner: Dr. Gabriel Neagu (ICI Bucharest), Period: 1 May 2008 - 30 April 2010. Participant.
7. 2008-2010: *SEE-GRID-SCI: SEE-GRID eInfrastructure for regional eScience*, FP7 Contract no. 211338, Project Director for Romanian partner: Prof.dr.ing. Nicolae Țăpuș (UPB), Period: May 2008 - May 2010. Participant.
8. 2006-2008: *SEE-GRID-II: South-Eastern European Grid-enabled eInfrastructure Development 2*, FP6 Contract no. 031775, Project Director for Romanian partner: Prof.dr.ing. Nicolae Țăpuș, Period: May 2006 - May 2008. Participant.
9. 2006-2008: *EGEE II – Enabling Grids for E-science*, FP6 Contract no. INFOSOC-RI-031688, Project Director for Romanian partner: Dr. Gabriel Neagu (ICI Bucharest), Period: 1 April 2006 – 31 March 2008. Participant.
10. 2005-2008: *EU-NCIT: NCIT leading to EU IST Excellency*, FP6-INCO programme, ID: 7046, FP6 Contract 17101, Project Director: Prof.dr.ing. Nicolae Țăpuș, Period: 1 May 2005 - 30 April 2008. Participant.

³ Projects are presented and their role within (director, participant, expert long / short, etc.). Personal contributions are detailed in the list of publications attached to this resume.

11. 2004-2006: *EGEE I: Enabling Grids for E-science*, FP6 Contract no. IST-2003-508833, Project Director for Romanian partner: Dr. Gabriel Neagu (ICI Bucharest), Period: 1 April 2004 – 31 March 2006. Participant.

Essential scientific contributions

- Optimization models based on genetic and immune algorithms for scheduling in Large Scale Distributed Systems.
- Machine learning models for distributed systems.
- Models of fault recovery and adaptive re-scheduling.
- Models of self-organization in dynamic P2P systems
- Methods based on bio-inspired techniques for time series prediction.
- Models and Services for fault tolerance in Large Scale Distributed Systems.

Products designed / created and exploited in research project

- Grid software platform for service scheduling – DyAG.
- Meta-scheduling service in Grid Computing – DIOGENES.
- Grid Application for change detection in satellite images: ChangeDSI.
- Grid service-based for natural disaster detection and analysis of environmental data: GENERIS.

Awards

- *Best paper award* - most promising research, Tufa, Adriana, Ionuț Boicu, Ion-Dorinel Filip, Catalin Negru, and Florin Pop. "Remote Sensing Computing Model for Forest Monitoring in Cloud." In 2018 IEEE 16th International Conference on Embedded and Ubiquitous Computing (EUC), pp. 138-144. IEEE, 2018.
- *Outstanding reviewer award* (June, 2018) - Journal of Network and Computer Applications, Elsevier
- *Outstanding reviewer award* (November, 2018) - Microprocessors and Microsystems, Elsevier
- *Outstanding reviewer award* (April, 2018) - Journal of King Saud University - Computer and Information Sciences, Elsevier
- *Outstanding reviewer award* (June, 2018) - Journal of Computers & Security, Elsevier
- *Outstanding reviewer award* (September, 2018) - Building and Environment, Elsevier
- *Outstanding reviewer award* (November, 2018) - Journal of Systems Architecture, Elsevier
- *ACM Computing Reviews*, article "A formal method for rule analysis and validation in distributed data aggregation," Serbanescu V., Pop F., Cristea V., Antoniu G. World Wide Web 18(6): 1717-1736, 2015
- *Outstanding Reviewer Award* - Future Generation Computer Systems, The International Journal of eScience, Elsevier, 2015
- *Outstanding Reviewer Award* - Applied Soft Computing, The Official Journal of the World Federation on Soft Computing (WFSC), Elsevier, 2013
- *Best Paper Award*: Urda, Daniel, Ciprian Dobre, and **Florin Pop**. Storing location-aware data in mobile distributed systems. Parallel and Distributed Computing (ISPD), 2013 IEEE 12th International Symposium on. IEEE, 2013.
- *IBM Faculty Award 2012*, Project title: CloudWay – Improving resource utilization for a smart Cloud infrastructure, http://public.dhe.ibm.com/software/dw/university/facultyawards/2012_faculty_recipients.pdf
- *Best Paper Award*: Nik Bessis, Stelios Sotiriadis, **Florin Pop**, and Valentin Cristea. 2012. Optimizing the Energy Efficiency of Message Exchanging for Service Distribution in Interoperable Infrastructures. In Proceedings of the 2012 Fourth International Conference on Intelligent Networking and Collaborative Systems (INCoS'12). IEEE Computer Society, Washington, DC, USA, 105-112.
- *Best Paper Award*: Ciprian Dobre, **Florin Pop**, and Valentin Cristea. 2010. A Fault-tolerant Approach to Storing Objects in Distributed Systems. In Proceedings of the 2010 International Conference on P2P, Parallel, Grid, Cloud and Internet Computing (3PGCIC '10). IEEE Computer Society, Washington, DC, USA, 1-8.
- *Best young researcher in software services*, FP7 SPRERS Project, Strengthening the Participation of Romania at European R&D in Software Services (CSA), 2011, <http://www.sprers.eu/events/2nd-training-on-software-services>
- *IBM PhD Assistantship*, Top ranked 1st in CEMA out from 17 awarded students. Project Title: Optimization of Decentralized Scheduling Strategies in Grid Environments.
- *Oracle Award*. PhD Performance Scholarship for three years, offered by Oracle Romania Academy in an international competition.
- First Prize in Student Scientific Session, May 2005, Faculty of Automatic Control and Computers, UPB for the paper entitled: *Smart scheduling strategies in distributed systems*.

- Third Prize at the Student Scientific Session , May 2005, , Faculty of Automatic Control and Computers, UPB for the paper entitled: Detection of vectorizable zones in MATLAB numerical applications (Ro: *Detecția zonelor vectorizabile în aplicațiile numerice MATLAB*), paper done together with Eng. Gabriela Gheorghe.
- Performance scholarship 2002-2004 (4 semesters) obtained as a student of the Faculty of Automatic Control and Computers, UPB. Merit scholarship in the other six semesters (2000-2002, 2004-2005)..

Member of the Scientific Committee for International Journals (ISI and others)

- Guest-Editor, Special Issue on *Advanced Topics in Resource Management for Ubiquitous Cloud Computing: an Adaptive Approach (ARMCO)* organised by Future Generation Computer Systems (FGCS), 2014, <http://www.journals.elsevier.com/future-generation-computer-systems/call-for-papers/advanced-topics-in-resource-management-for-ubiquitous-cloud/>, IF (2012) = 1,864
- Guest-Editor si Referent Stiintific, International Journal of Web and Grid Services, ISSN: 1741-1106, 2012, Vol. 8, No. 3, Special Issue on Advances in Distributed Systems Services for Grid, Cloud and Large-Scale Computing Paradigms, <http://www.inderscience.com/info/inarticletoc.php?jcode=ijwgs&year=2012&vol=8&issue=3>, IF (2012) = 1,615
- Reviewer – IEEE Transactions on Parallel and Distributed Systems (TPDS), ISSN: 1045-9219, IF (2012) = 1.796, <http://www.computer.org/portal/web/tpds>.
- Reviewer – Natural Hazards and Earth System Sciences (NHES), ISSN: 1561-8633, <http://www.nat-hazards-earth-syst-sci.net/>, IF (2012) = 1,751.
- Reviewer – Mathematical Problems in Engineering (MPE), ISSN: 1024-123X, IF (2012) = 1,383, <http://www.hindawi.com/journals/mpe>.
- Reviewer – Mobile Networks and Applications (MONE), ISSN: 1383-469X, IF (2012) = 1,109, <http://www.springer.com/engineering/signals/journal/11036>.
- Reviewer – Journal of Parallel and Distributed Computing (JPDC), ISSN: 0743-7315, IF (2012) = 1,116, <http://www.journals.elsevier.com/journal-of-parallel-and-distributed-computing>.
- Reviewer – Journal of Intelligent Manufacturing (JIMS), ISSN: 0956-5515, IF (2012) = 0,859, <http://www.springer.com/business+%26+management/production/journal/10845>.
- Reviewer – Future Generation Computer Systems (FGCS), ISSN: 0167-739X, IF (2012) = 1,864, <http://www.journals.elsevier.com/future-generation-computer-systems>.
- Reviewer – International Journal of Parallel Programming (IJPP), ISSN: 0885-7458, IF (2012) = 0,404, <http://www.springer.com/computer/theoretical+computer+science/journal/10766>.
- Reviewer – Journal of Ad Hoc and Ubiquitous Computing (IAHUC), ISSN: 1743-8225, IF (2011) = 0,848, <http://www.inderscience.com/jhome.php?jcode=ijahuc>.
- Reviewer – Soft Computing (SOCO), ISSN: 1432-7643, IF (2012) = 1,124, <http://www.springer.com/engineering/computational+intelligence+and+complexity/journal/500>.
- Reviewer – Journal of Supercomputing (SUPE), ISSN: 0920-8542, IF (2012) = 0,197, <http://www.springer.com/computer/swe/journal/11227>.
- Reviewer – Engineering Optimization (GENO), ISSN: 0305-215X, IF (2012) = 0,962, www.tandfonline.com/toc/geno20/current.
- Reviewer – Concurrency and Computation: Practice and Experience (CPE), ISSN: 1532-0634, IF (2012) = 0,845, [http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\)1532-0634](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1532-0634).
- Reviewer – Applied Soft Computing (ASOC), ISSN: 1568-4946, IF (2012) = 2,140, <http://www.journals.elsevier.com/applied-soft-computing>.
- Reviewer – International Journal of Communication Systems (JCS), ISSN: 1099-1131, IF (2012) = 0,712, [http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\)1099-1131](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1099-1131).
- Referent stiintific – The Journal of Systems and Software (JSS), ISSN: 0164-1212, IF (2012) = 1,132, <http://www.journals.elsevier.com/journal-of-systems-and-software>.
- Reviewer – International Journal of Applied Mathematics and Computer Science (AMCS), ISSN: 1641-876X, IF (2012) = 1,008, <http://www.amcs.uz.zgora.pl>.
- Reviewer – Computers & Mathematics with Applications (CAMWA), ISSN: 0898-1221, IF (2012) = 2,069, <http://www.journals.elsevier.com/computers-and-mathematics-with-applications>.
- Reviewer – Simulation Modelling Practice and Theory (SIMPAT), ISSN: 1569-190X, IF (2012) = 1,159, <http://www.journals.elsevier.com/simulation-modelling-practice-and-theory>.
- Reviewer – Computing (COMP), ISSN: 0010-485X, IF (2012) = 0,807, <http://www.springer.com/computer/journal/607>.

- Reviewer – Earth Science Informatics (ESIN), ISSN: 1865-0473, IF (2012) = 0,404, <http://www.springer.com/earth+sciences+and+geography/journal/12145>.
- Associate Editor, Reviewer – International Journal of Grid and Utility Computing (IJGUC), ISSN: 1741-847X, <http://www.inderscience.com/jhome.php?jcode=IJGUC>.
- Reviewer – International Journal of Embedded Systems (IJES), ISSN: 1741-1068, <http://www.inderscience.com/jhome.php?jcode=ijes>.
- Associate Editor, Reviewer – Journal of Advancements in Computing Technology (IJACT), ISSN: 2005-8039, <http://www.aicit.org/ijact/home/index.html>.
- Associate Editor, Reviewer – Journal of Next Generation Information Technology (JNIT), ISSN: 2092-8637, <http://www.aicit.org/jnit/home/index.html>.
- Associate Editor, Reviewer – International Journal of Information Processing and Management (IJIPM), ISSN: 2093-4009, <http://www.aicit.org/ijipm/home/index.html>.
- Referent stiintific – International Journal of Research and Reviews in Wireless Sensor Networks (IJRRWSN), ISSN: 2047-0037, <http://www.sciacademypublisher.com/journals/index.php/IJRRWSN>.
- Reviewer – International Journal of Intelligent Systems Technologies and Applications (IJISTA), ISSN: 1740-8865, <http://www.inderscience.com/jhome.php?jcode=ijista>.
- Reviewer – Journal of Convergence Information Technology (JCIT), ISSN: 1975-9320, <http://www.asetrc.org/ei-jcit.htm>.
- Reviewer – Scientific Bulletin, University Politehnica of Bucharest, Seria C (BuletinUPB), ISSN: 1223-7027, <http://www.scientificbulletin.upb.ro>.

Scientific Events Organizer

- CSE-2018 (21st IEEE International Conference on Computational Science and Engineering) - Conference Chair
- Workshop Co-Chair, *ARMS-CC: Workshop on Adaptive Resource Management and Scheduling for Cloud Computing*, Held in conjunction with PODC 2014, Paris, France, on July 15th, 2014 (<http://arms-cc.hpc.pub.ro>)
- Track Co-Chair (Track 3: Cloud, Grid and P2P Computing), NBIS-2014 - The 17th International Conference on Network-Based Information Systems, September 10th - 12th, 2014, Salerno, Italy, <http://voyager.ce.fit.ac.jp/conf/nbis/2014/index.html>
- Track Co-Chair, High Performance Modelling and Simulation HiPMoS 2014, event will be organized as a track of the 28th edition of the European Conference on Modelling and Simulation, ECMS 2014, and will be held on 27-30 May, 2014 in Brescia (Italy): <https://sites.google.com/site/hipmos2014/home>
- Chair Round Table, "Big Data", 12th International Symposium on Parallel and Distributed Computing (ISPDC 2013), Bucharest, Romania, June 2013.
- Symposium Co-Chair, *The 12th International Symposium on Parallel and Distributed Computing - ISPDC 2013*, June 27-30, 2013, Bucharest, Romania, <http://ispdc.hpc.pub.ro/>
- Programme Co-Chair, *4-th International Conference on Intelligent Networking and Collaborative Systems (INCoS-2012)*, <http://voyager.ce.fit.ac.jp/~incos2012>
- Co-Chair, ADiS, International Workshop on Autonomic Distributed Systems (editiile 2011, 2012, 2013, 2014), <http://sedis.hpc.pub.ro/>
- Co-Chair, SeDiS, *International Workshop on the Service for Large Scale Distributed Systems* (editiile 2011, 2012, 2013), <http://sedis.hpc.pub.ro/>
- Co-Chair, MiDiS, *International Workshop on the Middleware of Large Scale Distributed Systems* (editiile 2011, 2012), <http://midis.hpc.pub.ro/>
- National Organizing Committee Chair, Chairman, Referent - CSCS-19, CSCS-18, CSCS-17, *INTERNATIONAL CONFERENCE ON CONTROL SYSTEMS AND COMPUTER SCIENCE* (2009, 2011, 2013).
- Track Chair: GRID AND P2P DISTRIBUTED INFRASTRUCTURE FOR INTELLIGENT NETWORKING AND COLLABORATIVE SYSTEMS, 5-th International Conference on Intelligent Networking and Collaborative Systems, INCoS-2013, <http://voyager.ce.fit.ac.jp/conf/incos/2013/committees.html>
- HiPerGRID – *International Workshop on High Performance Grid Middleware*, membru in Comitetul de program, organizator principal (<http://hipergid.hpc.pub.ro/>), Edițiile 2007-2014.
- Track Co-Chair, *World Congress on Information and Communication Technologies*, Track Scheduling for large scale distributed system, <http://www.mirlabs.net/wict11/index.php-c=main&a=show&id=4.htm>
- 3PGCIC-2010 (track chair of Cluster and Grid Computing), 5th International Conference on P2P, Parallel, Grid, Cloud and Internet Computing, <http://www.lsi.upc.edu/~net4all/3PGCIC-2010/>
- IEEE AFRICON 2009 (track chair of Instrumentation and Measurement), <http://www.africon2009.co.za>

- Track Chair (Track 4: (Track 3: Cloud, Grid and P2P Computing), NBIS-2011 - The Fourteenth International Conference on Network-Based Information Systems, September 7th - 9th, 2011, Polytechnic University of Tirana, Tirana, Albania, <http://www.takilab.org/conf/nbis/2011/>

Member in Program Committee for International Scientific Events⁴

- CCGRID 2016 - 16th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing, <http://ccgrid2016.uniandes.edu.co/>
- ANT-2016 (PC member of Internet of Things), The 7th International Conference on Ambient Systems, Networks and Technologies, <http://cs-conferences.acadiau.ca/ant-16/>
- CLIoT 2016 (PC member) - The 4th International Workshop on CCloud for IoT, <http://sites.google.com/site/cliot2016workshopaustria>
- DSS 2016 (PC member) - 2nd International Workshop on Data-driven Self-regulating Systems, <http://dss2016.inn.ac/>
- Euro-Par 2016 WS (PC member of Workshop on Scalable Computing For Real-Time Big Data Applications (SCRAMBL)), 22nd International European Conference on Parallel and Distributed Computing Workshops, <http://europar2016.inria.fr>
- EUSPN-2016 (track chair of Cloud, Cluster, Grid and Social Computing) - The 7th International Conference on Emerging Ubiquitous Systems and Pervasive Networks, <http://cs-conferences.acadiau.ca/euspn-16/>
- GPC 2016 (PC member) - The 11th International Conference on Green, Pervasive and Cloud Computing, <http://meeting.xidian.edu.cn/conference/GPC2016/index.htm>
- ICA3PP 2016 (PC member of Big Data and its Applications) - 16th International Conference on Algorithms and Architectures for Parallel Processing, <https://www.arcos.inf.uc3m.es/wp/ica3pp2016>
- IEEE SC2 2016 (PC member) - 6th IEEE International Symposium on Cloud and Services Computing, <http://grid.chu.edu.tw/sc2-2016>
- InterIoT&BigData'2016 (PC member) - The 2016 International Workshop on Hardware/Software Interface for Internet of Things and Big Data, <https://sites.google.com/site/interiotbigdata/home>
- ISPDC2016 (PC member) - 15th International Symposium on Parallel and Distributed Computing, <http://cs.fafu.edu.cn/>
- NBIS-2013, The 16th International Conference on Network-Based Information Systems (NBIS 2013) - <http://voyager.ce.fit.ac.jp/conf/nbis/2013/committee.html>
- EUSPN-2013: The 4th International Conference on Emerging Ubiquitous Systems and Pervasive Networks (EUSPN), <http://cs-conferences.acadiau.ca/euspn-13/#programCommittees>
- High Performance Modelling and Simulation (HiPMoS), <https://sites.google.com/site/hipmos2013/>
- 4th International Conference on Next Generation Information Technology, Jeju Island, Korea, Iunie 2013, http://www.aicit.org/icnit/home/scientific_members.html
- 8th Intern. Conf. on Broadband and Wireless Computing, Communication and Applications (BWCCA-2013), Compiègne, Franta, Octombrie 2013, <http://www.lsi.upc.edu/~net4all/BWCCA-2013/committees.html>
- ANT-2013, The 4th International Conference on Ambient Systems, Networks and Technologies, <http://cs-conferences.acadiau.ca/ant-13/#programCommittees>
- CCloud for IoT (CLIoT 2013), Malaga, Spain, September 2013, <https://sites.google.com/site/cliot2013/organization>
- 15th IEEE International Conference on High Performance Computing and Communications (HPCC 2013), Zhangjiajie, China, November 2013, <http://trust.csu.edu.cn/conference/hpcc2013/>
- 13th International Conference on Algorithms and Architectures for Parallel Processing (ICA3PP-2013), Vietri sul Mare, Italy, December 2013, <http://cse.stfx.ca/~ica3pp2013/pro-committees.php>
- CCFI-2013, 2nd International Workshop on Cloud Computing and Future Internet in conjunction with the 6th IEEE/ACM International Conference on Utility and Cloud Computing (UCC-2013), https://docs.google.com/document/d/1BQk2PoaW6F2AGch_NGNZBHZUQ_zhnobY57lQa6LPXAs/pub
- EIDWT-2013, The 4th International Conference on Emerging Intelligent Data and Web Technologies, <http://voyager.ce.fit.ac.jp/conf/eidwt/2013/>
- 6th ICT Innovations 2013, Orhid, R. Macedonia, September 2013, <http://www.ict-act.org/previous-conferences/ict-innovations-2013/programme-committee>
- IDC2013, 7th International Symposium on Intelligent Distributed Computing, <http://www.ksi.mff.cuni.cz/IDC2013/committees.html>

⁴ Informații disponibile în EasyChair.org și EDAS.info

- INCoS-2013, 5-th International Conference on Intelligent Networking and Collaborative Systems, <http://voyager.ce.fit.ac.jp/conf/incos/2013/>
- SYNASC-2013: International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, <http://synasc.ro/synasc2013/tracks/distributed-computing/>
- BEIAC-2013, IEEE Business Engineering and Industrial Applications Colloquium, <http://www.mypels.org/beiac2013/>
- DIHC13, Workshop on Dependability and Interoperability in Heterogeneous Clouds, <http://dihc13.conferences.iit.cnr.it/organizer.html>
- AINA-2013, Advanced Information Networking and Applications, www.aina-conference.org/2013/
- CISIS-2013, The 7th International Conference on Complex, Intelligent, and Software Intensive Systems, <http://voyager.ce.fit.ac.jp/conf/cisis/2013/>
- IMIS-2013, The Seventh International Conference on Innovative Mobile and Internet Services in Ubiquitous Computing, <http://voyager.ce.fit.ac.jp/conf/imis/2013/>
- ANT-2013, The 4th International Conference on Ambient Systems, Networks and Technologies, <http://cs-conferences.acadiau.ca/ant-13/>
- IDC 2013, 7th International Symposium on Intelligent Distributed Computing, <http://www.ksi.mff.cuni.cz/IDC2013/>
- MobiWIS 2013, 10th International Conference on Mobile Web Information Systems, <http://www.mobiwis.org/2013/>
- PhD Symp 2013, PhD Symposium @ BIS2013, http://bis.kie.ue.poznan.pl/16th_bis/
- ISBEIA 2012, IEEE Symposium on Business, Engineering and Industrial Applications, <http://www.uitmrmi.org/isbeia2012/>
- 3PGCIC-2012, Seventh International Conference on P2P, Parallel, Grid, Cloud and Internet Computing, <http://www.lsi.upc.edu/~net4all/3PGCIC-2012/>
- CISIS-2012, The Sixth International Conference on Complex, Intelligent, and Software Intensive Systems, <http://voyager.ce.fit.ac.jp/conf/cisis/2012/>
- EIDWT-2011, The 2-nd International Conference on Emerging Intelligent Data and Web Technologies, <http://voyager.ce.fit.ac.jp/~eidwt2011/>
- NBIS-2011, The 14th International Conference on Network-Based Information Systems, <http://dslab.ci.seikei.ac.jp/conf/nbis/2011/>
- AINA-2012, The 26th IEEE International Conference on Advanced Information Networking and Applications, <http://www.aina-conference.org/2012/>
- CloudCP 2012, 2nd International Workshop on Cloud Computing Platforms, <http://www.wikibench.eu/CloudCP/>
- EGOV2012, IFIP Electronic Government 2012, <http://www.egov-conference.org/>
- IDC 2012, 6th International Symposium on Intelligent Distributed Computing 2012, <http://idc2012.deis.unical.it>
- SYNASC2012, 14th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, <http://synasc12.info.uvt.ro/>
- AINA 2011, 25th IEEE International Conference on Advanced Information Networking and Applications, <http://aina2011.i2r.a-star.edu.sg/>
- CISIS-2011, International Conference on Complex, Intelligent and Software Intensive Systems, <http://www.takilab.org/conf/cisis/2011/>
- EGOV2011, the 10th IFIP WP8.5 International Conference, EGOV2011, <http://www.egov-conference.org/egov-2011>
- FedCSIS2011, Federated Computer Science and Information Systems Conference, <http://fedcsis.org>
- K-Teams2011, First International Workshop on Semantic and Collaborative Technologies for the Web, <http://erric.cs.pub.ro/k-teams/kteams-cfp-2011/>
- SocProS 2011, International Conference on Soft Computing for Problem Solving, <http://ieirlc.org/conf/socpro2011/>
- SYNASC2011, 13th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, <http://synasc11.info.uvt.ro>
- 3PGCIC-2010, 5th International Conference on P2P, Parallel, Grid, Cloud and Internet Computing, <http://www.lsi.upc.edu/~net4all/3PGCIC-2010/>
- AICCSA'10, 2010 ACS/IEEE International Conference on Computer Systems and Applications, <http://www2.lifl.fr/AICCSA2010/>
- EGOV2010, IFIP e-government conference 2010, <http://www.egov-conference.org/egov-2010>
- INCoS 2010, 2nd International Conference on Intelligent Networking and Collaborative Systems, <http://incos2010.web.auth.gr/> (PC member of CINS'10 Workshop (Computational Intelligence in Networks and Systems))
- PPSN2010, 11th International Conference on Parallel Problem Solving From Nature, <http://home.agh.edu.pl/ppsn>

- SYNASC2010, 12th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, <http://synasc10.info.uvt.ro/>
- SYNASC2009, 11th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, <http://synasc09.info.uvt.ro/>
- 3PGIC-2009 – *Third International Workshop on P2P, Parallel, Grid and Internet Computing*, Membru în comitetul de program (<http://www.lsi.upc.edu/~fatos/3PGIC-2009/>), 16-19 March 2009, Fukuoka Institute of Technology, JAPAN.
- WAMIS-2009 – *The 5th International Symposium on Web and Mobile Information Services*, Membru în comitetul de program (<http://cms.brookes.ac.uk/staff/MusbahSagar/WAMIS-2009/>), May 26-29, 2009, Bradford, UK.
- GridCAD 2008 – *Workshop on Grid Computing Applications Development*, Membru în comitetul de organizare, (<http://synasc08.info.uvt.ro/gridcad>), în conjuncție cu SYNASC 2008, 28 Septembrie 2008, Timișoara, România.
- 3PGIC-2008 – *Second International Workshop on P2P, Parallel, Grid and Internet Computing*, Membru în comitetul de program (<http://www.ares-conference.eu/3PIG-2008/>), 4-7 March 2008, Polytechnic University of Catalonia, Barcelona, Spain.
- GridCAD 2007 – *Workshop on Grid Computing Applications Development*, Membru în comitetul de organizare, (<http://synasc07.info.uvt.ro/gridcad>), în conjuncție cu SYNASC 2007, 29 Septembrie 2007, Timișoara, România.

Participation in technical and scientific events, lectures, seminars, study modules

- 16-17 May 2013, *World Summit on Big Data and Organization Design*, Université Panthéon-Sorbonne, Paris, France, <http://icoa.au.dk/conferences-workshops/big-data-and-organization-design/>
- FORSEE, *Regional ICT Foresight exercise for SEE countries*. National Open Consultative Event, ICI Bucharest, 27 noiembrie 2012 (participare în calitate de expert pe domeniul Digital Content).
- WebCast on *Ethics in Scientific Article Submission & Publishing and Charting a Course for Successful Research Career*, 11th of July 2012, Dublin, brought by BiggerBrains
- *Delivering Shared Services to Your Big Data Environment*, Scott Campbell, Director, Product Management, Enterprise Analytics, Platform Computing, an IBM Company, 12 Iunie 2012, Seminar Online.
- *Service Links with R&D and Science Base*. International INSEED Seminar, May 24 - 25, 2012, University Politehnica of Bucharest, Cloud Computing Laboratory, room ED 003
- *C Code Generation with MATLAB Coder for Signal Processing Systems*, 28th March, 2012, Hotel Ramada Majestic, Calea Victoriei 38-40, Sector 1, Bucharest, Romania
- *InfoDay on the Calls of FP7-ICT Programme*, Nov 10, 2011 09:00 AM - 05.00PM, Aula Magna, West University of Timisoara, Timisoara, Romania (<http://sprers.eu/events/infoday-on-call-8-of-fp7-ict-programme>).
- *Strategic objectives in Romania's participation in major international collaborations for Service Science*, NATIONAL WORKSHOP Evaluation of national R & D potential capacity to participate in international collaborations for Service Science, <http://iesc.unitbv.ro/cris/activitati2.php>, (23 March 2011).
- Participation at *MATLAB Virtual Conference 2010*, 28 Septembrie 2010, Conferinta Online: <http://events.unisfair.com/rt/matlab~conf2010>
- Tutorial: *Automated Validation of Trust and Security of Service-oriented Architectures*, Prof. Luca Vigano (University of Verona), 1st Workshop on Software Services: Frameworks and Platforms September 25, 2010, Timisoara, Romania, http://sprers.eu/storage/woss_abstracts/tutorialLucaVigano.pdf
- IBM, *Workshop for Universities*, 25 November 2008, Hotel Crowne Plaza, Sala Transilvania, Romania.
- ROCS 2008, Interoperability - Microsoft Side Event, Radisson SAS Hotel - Bucharest, 20 November 2008, Romania.
- ROSDEV 2008 – *Romania Open Source Development*, 12 Aprilie 2008, University Politehnica of Bucharest, Conference organized with the support of the Romanian Society of Automation and Technical Informatics – SRAIT Students.
- IBM *Academic Days for Universities in Romania 2008*, IBM's Innovative collaboration for a networked, knowledge-based society, 27 March, Hotel Crowne Plaza, Romania.
- The *Sixteenth International Conference on Parallel Architecture and Compilation Techniques (PACT)*, September 15-19, 2007, Brasov, Romania.

- IBM *Academic Days for Universities in Romania 2007*, IBM's Global Innovation approach in academic research and curriculum development, March 22/23, Hotel Hilton, Bucharest, Romania.
- International *ICFA Workshop on Grid Activities within Large Scale International Collaborations*, October 13-18, 2006, Sinaia, Romania.
- National *RoGrid Conference*, March 21-22, 2006, UPB Rectorat Building, Senate Hall, Romania.
- IBM *Academic Days for Universities in Romania 2006*, Advanced Computing Infrastructure for Shared University Research, 16 March, JW Marriott Grand Hotel, Salon D, Romania.
- Academia Română, *Overview and recent trends of Petri-Net Research*, Prof. Tadao Murata (Univ. of Illinois at Chicago, USA), 24 March 2005, Romania.
- IBM, *Vision to Reality Roadshow*, 22 May, 2003, Bucharest Marriott Grand Hotel, Constanta room, Romania.

Other Profesional Activities

- Organization of Summer School *GridInitiative*, Editions 2, 3 and 4 (2005-2007) within University POLITEHNICA of Bucharest. Presentations held in these summer schools: "Scheduling in Grid Environments", "Managing Grid resources with Globus Web Service"
- Organization of scientific seminars *Scheduler of the Week*, Editions 1 (2007) și 2 (2008), session officially declared in EGEE project (<http://diogenes.grid.pub.ro/grow.html>).
- Develop a *Parallel Numerical Computing* course in collaboration with Corina Stratan, Lecture held at the National Centre for Information Technology, in April and July 2004 (CoLaborator).
- Coordinator for student project named OpenSAM (CoLaborator 2004) aiming at the implementation of parallel numerical algorithms.

Special Interview iSGTW - International Science Grid This Week (F. Pop, V. Cristea)

- iSGTW Feature - *Evolving towards the future of science: genetic algorithms and grid computing*, February 27, 2008, by Danielle Venton, EGEE Project, Web page: <http://www.isgtw.org/?pid=1000845>

Member of national and international scientific organizations

- SPEC: The Standard Performance Evaluation Corporation
- OW2: Open Source Community for Infrastructure Software
- IEEE – Institute of Electrical and Electronics Engineers.
- ACM – Association for Computing Machinery.
- euroCRIS – The European Organisation for International Research Information.
- SRAIT – Romanian Society of Automation and Technical Informatics (Ro: Societatea Romana de Automatică și Informatică Tehnică).
- RoCHI – Romanian group of interest in human-computer interaction - SIGCHI România (Ro: Grupul român de interes în Interacțiunea om-calculator).

Bibliometrics

- H-index– 31_{GS} / 21_{ISI} / 25_{Scopus}
- Număr total de citări – 3700+_{GS}
- i10-index – 102_{GS}