

LISTA DE LUCRĂRI

Candidat: Prof.dr.ing. POP V. FLORIN

(NUME, inițială și prenume)

Profesor / din 2016
(Titlul didactic/echiv.) (anul)

Abilitare / din 2015
(Titlul didactic/echiv.) (anul)

Dr./ din 2008
(anul)

Asistent inginer / din 2006
(Titlul didactic/echiv.) (anul)

Șef Lucrări / din 2009
(Titlul didactic/echiv.) (anul)

Conferențiar / din 2013
(Titlul didactic/echiv.) (anul)

I. TEZA DE DOCTORAT (T)

- T1. **Florin Pop**, *Optimizarea Strategiilor Descentralizate de Planificare în Medii Grid (Optimization of Decentralized Scheduling Strategies in Grid Environments)*, teză susținută public în data de 15 decembrie 2008. Calificativ și Distincție: FOARTE BINE, *MAGNA CUM LAUDAE*.

II. CĂRȚI PUBLICATE (C)

Ca – Cărți / cursuri (manuale) pentru uzul studenților, publicate în edituri recunoscute, Cb – Cărți de specialitate publicate în edituri recunoscute (autor, coautor, editor), Cc – Cărți publicate în alte edituri, cu ISBN.

- Ca1. **Florin Pop**, Valeriu Iorga, *Metode Numerice. Algoritmi și Aplicații*, Editura Politehnica Press, ISBN 978-973-7838-69-8, 210pg, 2008.
- Ca2. Ciprian Dobre, **Florin Pop**, *Sisteme de Programe pentru Rețele de Calculatoare. Aplicații practice*. Ed. Politehnica Press, ISBN: 978-606-515-000-3, 198 pg, 2008.
- Cb1. **Florin Pop**, Gabriel Neagu, eds. *Data Science and Big Data Analytics in Smart Environments*, July 24, 2023 by CRC Press
- Cb2. Marta Chinnici, **Florin Pop**, Catalin Negru, eds. *Data Science and Big Data Analytics in Smart Environments*, July 24, 2023 by CRC Press
- Cb3. **Florin Pop**, Joanna Kołodziej, and Beniamino Di Martino, eds. *Resource Management for Big Data Platforms: Algorithms, Modelling, and High-Performance Computing Techniques*. Springer, 2016.
- Cb4. *Adaptive Resource Management and Scheduling for Cloud Computing*: First International Workshop, ARMS-CC 2014, held in Conjunction with ACM Symposium on Principles of Distributed Computing, PODC 2014, Paris, France, July 15, 2014, Revised Selected Papers
- Cb5. *Adaptive Resource Management and Scheduling for Cloud Computing*: Second International Workshop, ARMS-CC 2015, Held in Conjunction with ACM Symposium on Principles of Distributed Computing, PODC 2015, Donostia-San Sebastián, Spain, July 20, 2015, Revised Selected Papers
- Cb6. Fatos Xhafa, Leonard Barolli, **Florin Pop**, Xiaofeng Chen, Valentin Cristea, *Proceedings of the 2012 Fourth International Conference on Intelligent Networking and Collaborative Systems*, 19-21 September 2012 / Bucharest, Romania, ISBN 978-0-7695-4808-1, IEEE Computer Society, Washington, DC, USA, 2012, app. 700 pagini.
- Cb7. Valentin Cristea, Ciprian Dobre, Corina Stratan, **Florin Pop**, Alexandru Costan, *Large-scale Distributed Computing and Applications: Models and Trends*, Ed. Information Science Publishing, ISBN: 978-1615207039, 390 pg., April 2010.
- Cb8. **Florin Pop**. *Scheduling Methods and Algorithms for Distributed Systems*. Ed. Politehnica Press, ISBN: 978-606-515-344-8, 2011, 264 pagini.
- Cb9. Valentin Cristea, **Florin Pop**, Ciprian Dobre, Catalin Leordeanu, Alexandru Costan, Eliana Tirsă, Elena Apostol, Corina Stratan. *Sisteme Distribuie de Mari Dimensiuni. Modele si Tehnici de Asigurare a Fiabilitatii, Sigurantei, Disponibilitatii si Securitatii*. Ed. Politehnica Press, ISBN: 978-606-515-343-1, 2011, pagini 364.

- Cb10. Valentin Cristea, Mihai Tanase, **Florin Pop**, Radu Constantinescu, Ciprian Dobre, Andrei Toma. *Platforma integrata pentru realizarea de tranzactii si servicii electronice de pe echipamente mobile larg raspandite*. Ed. Politehnica Press, ISBN: 978-606-515-342-4, 2011, 243 pagini.
- Cc1. Mihaela Stan, Adrian Stan, **Florin Pop**, Mihaela Vasile, Carmen Mincă, Radu Boriga, Mariana Ciobanu, Ștefania Penea, *Algoritmi. Culegere de probleme de programare pentru clasa a 9-a*, Editura L&S Soft București, 350pg, ISBN 973-860022-4-6, 2004.
- Cc2. Mihaela Vasile, Mihaela Stan, Carmen Mincă, Radu Boriga, Adrian Stan, **Florin Pop**, Mariana Ciobanu, Ștefania Penea, *Algoritmi. Culegere de probleme de programare pentru clasa a 10-a*, Editura L&S Soft București, 240pg, ISBN 973-860022-5-4, 2004.
- Cc3. Mihaela Stan, Mihaela Vasile, Carmen Mincă, Radu Boriga, Ștefania Penea, Adrian Stan, **Florin Pop**, Mariana Ciobanu, *Algoritmi. Culegere de probleme de programare pentru clasa a 11-a*, Editura L&S Soft București, 320pg, ISBN 973-860022-6-2, 2004.

III. ALTE MATERIALE PUBLICATE (I, D)

I - Culegeri și îndrumare publicate (separate în edituri cu ISBN și în tipografia locale/de instituții sau de uz intern); D - Alte lucrări publicate: capitole publicate în volume colective, capitole teoretice redactate, sisteme de laborator funcționale etc.

- I1. Valeriu Iorga, **Florin Pop**, Pantelimon-George Popescu et al., Metode Numerice. Proiectare, Analiză și Implementare, Editura Politehnica PRESS, Bucuresti, 2015, nr. pagini 150, ISBN 978-606-515-646-3, Cod CNCISIS 19.
- I2. Erik Bodegom, David W. McClure, Pier Paolo Delsanto, Antonio S. Gliozzi, Dan-Alexandru Iordache, **Florin Pop**, Constantin-Dan Rosu, and Ralf Widenhorn. *COMPUTATIONAL PHYSICS GUIDE*, Vol. 1. Basic Notions, Ed. Politehnica Press, 2009, ISBN: 978-606-515-062-1, 360 pagini
- I3. **Florin Pop**, Valeriu IORGA, *Aplicații de calcul numeric în MATLAB*, Editura Bren București, ISBN 973-648-555-2, 112pg, (îndrumar de laborator), 2006.
- I4. Valeriu IORGA, **Florin Pop**, *Algoritmi numerici*, Editura Bren București, ISBN 973-648-556-0, 110pg, (îndrumar de laborator), 2006.
- I5. Valeriu IORGA, **Florin Pop** *Metode numerice în MATLAB. Ghid Practic*, Editura Bren București, ISBN 973-648-440-8, 108pg, (îndrumar de laborator), 2005.
- D1. Stan, Roxana-Gabriela, Catalin Negru, Lidia Bajenaru, and **Florin Pop**. "Data and Systems Heterogeneity: Analysis on Data, Processing, Workload, and Infrastructure." *Big Data Platforms and Applications: Case Studies, Methods, Techniques, and Performance Evaluation* (2021): 77-90.
- D2. Vlad-Andrei Nicolaescu, Cătălin Negru, **Florin POP** "Data Model for Water Resource Management". In *Data Science and Big Data Analytics in Smart Environments*, pp. 242-263. CRC Press 2021.
- D3. Christian Esposito, Zhongliang Zhao, Gianluca Rizzo, **Florin Pop**, Elena Apostol, Cătălin Leordeanu, Stefan Preda, "Routing in Post-Disaster Scenarios". In: Rak J., Hutchison D. (eds) *Guide to Disaster-Resilient Communication Networks*. Computer Communications and Networks. Springer, Cham, 2020
- D4. Ionică, Dragoș, Nirvana Popescu, Decebal Popescu, and **Florin Pop**. "Cyber Defence Capabilities in Complex Networks." In *Internet of Everything*, pp. 217-231. Springer, Singapore, 2018.
- D5. Ifrim, Claudia, Andreea-Mihaela Pintilie, Elena Apostol, Ciprian Dobre, and **Florin Pop**. "The Art of Advanced Healthcare Applications in Big Data and IoT Systems." In *Advances in Mobile Cloud Computing and Big Data in the 5G Era*, pp. 133-149. Springer International Publishing, 2017.
- D6. Mihaita, Alexandra-Elena, Ciprian Dobre, **Florin Pop**, Constandinos X. Mavromoustakis, and George Mastorakis. "Secure Opportunistic Vehicle-to-Vehicle Communication." In *Advances in Mobile Cloud Computing and Big Data in the 5G Era*, pp. 229-268. Springer International Publishing, 2017.
- D7. Nita, Mihaela-Catalina, Mihaela Vasile, **Florin Pop**, and Valentin Cristea. "Workflow Scheduling Techniques for Big Data Platforms." In *Resource Management for Big Data Platforms*, pp. 35-53. Springer International Publishing, 2016.
- D8. Bogdan-Costel Mocanu, **Florin Pop**, Ciprian Dobre, Valentin Cristea, Self-adaptive Overlay Networks, Chapter in *Pervasive Computing: Next Generation Platforms for Intelligent Data Collection*, Editors: Ciprian Dobre and Fatos Xhafa, ISBN: 978-0-128-03663-1, Elsevier, 13 Apr 2016.

- D9. **Florin Pop**, Catalin Negru, Sorin N. Ciolofan, Mariana Mocanu, and Valentin Cristea, Optimizing Intelligent Reduction Techniques for Big Data, Chapter in “Big Data Optimization: Recent Developments and Challenges”, Editors: Emrouznejad, Ali (Ed.), Springer, Studies in Big Data, ISBN: 978-3-319-30263-8, 2016.
- D10. Ionut-Mihai Posea, Marius Ion, **Florin Pop**, Decebal Popescu and Nirvana Popescu. "E-Vote: A Cloud-Based Electronic Voting System for Large-Scale Election." In Cloud Computing Technologies for Connected Government, ed. Zaigham Mahmood, 188-213 (2016), accessed April 15, 2016. doi:10.4018/978-1-4666-8629-8.ch008.
- D11. **Florin Pop**, Radu-Ioan Tutueanu, Ciprian Barbieru, Mihaela-Andreea Vasile, and Joanna Kołodziej. "Adaptive Resource Allocation in Cloud Computing Based on Agreement Protocols." In Intelligent Agents in Data-intensive Computing, pp. 193-213. Springer International Publishing, 2016. doi:10.1007/978-3-319-23742-8_9.
- D12. **Florin Pop**, Valentin Cristea, The Art of Scheduling for Big Data Science, Chapter in Big Data: Algorithms, Analytics, and Applications, Eds. Kuan-Ching Li, Hai Jiang, Laurence T. Yang, Alfredo Cuzzocrea, Chapman & Hall/CRC Big Data Series, pp. 105-120, ISBN 978-1482240559, 2015.
- D13. Cristian Chilipirea, Andreea Petre, Ciprian Dobre, **Florin Pop**, and Fatos Xhafa. "Enabling Vehicular Data with Distributed Machine Learning." In Transactions on Computational Collective Intelligence XIX, Volume 9380 of the series Lecture Notes in Computer Science pp. 89-102. Springer Berlin Heidelberg, 2015. doi:10.1007/978-3-662-49017-4_6.
- D14. Radu-Ioan Ciobanu, Valentin Cristea, Ciprian Dobre, **Florin Pop**, Big Data Platforms for the Internet of Things, “Studies in Computational Intelligence” book series, Springer (2014), Big Data and Internet of Things: A Roadmap for Smart Environments, Bessis, N.; Dobre, C. (Eds.), ISBN: 978-3-319-05028-7, Volume 546, 2014, pp 3-34, doi:10.1007/978-3-319-05029-4_1.
- D15. Valentin CRISTEA, Ciprian DOBRE, **Florin Pop**, *Context-Aware Environments for the Internet of Things*, “Studies in Computational Intelligence” book series, Springer (2013), INTERNET OF THINGS AND INTER-COOPERATIVE COMPUTATIONAL TECHNOLOGIES FOR COLLECTIVE INTELLIGENCE, Bessis, N.; Xhafa, F.; Varvarigou, D.; Hill, R.; Li, M. (Eds.), ISBN: 978-3-642-34952-2, 2013, 462p.
- D16. **Florin Pop**, Ciprian Dobre, Catalin Negru, Valentin Cristea. *Re-scheduling Service for Distributed Systems*, in Advances in Intelligent Control Systems and Computer Science, Advances in Intelligent Systems and Computing, Vol. 187, pp. 423-437, ISBN: 978-3-642-32548-9, 2013, DOI: 10.1007/978-3-642-32548-9_30.
- D17. Ciprian Dobre, **Florin Pop**, Valentin Cristea, *A Simulation Model for Mechanisms, Heuristics and Rules for P2P Systems*, Chapter in Studies in Computational Intelligence: “Advances in Intelligent Modeling and Simulation: Artificial Intelligence-based Models and Techniques in Scalable Computing”, pp: 235-265, ISBN 978-3-642-30153-7, 2012, XXIV, 384p.
- D18. Valentin Cristea, **Florin Pop**, Ciprian Dobre, and Alexandru Costan, *Distributed Architectures for Event-Based Systems*, S. Helmer et al.: Reasoning in Event-Based Distributed Systems, SCI 347, pp. 11–45, Springer-Verlag Berlin Heidelberg, ISBN: 978-3-642-19723-9, 2011.
- D19. **Florin Pop**, *Grid Scheduling: Methods, Algorithms, and Optimization Techniques*, Nikolaos P. Preve (Ed.) COMPUTATIONAL AND DATA GRIDS, Principles, Designs, and Applications, Chapter IV, pp. 86-111, ISBN 978-1-61350-115-3, 2011.
- D20. **Florin Pop**, *A Fault Tolerant Decentralized Scheduling in Large Scale Distributed Systems*, chapter in Handbook of Research on P2P and Grid Systems for Service-Oriented Computing: Models, Methodologies, and Applications, N. Antonopoulos, G. Exarchakos, M. Li, A. Liotta (Eds.), Ed. Information Science Reference (IGI Global), ISBN: 978-1615206865, pp. 566-588, February 2010.
- D21. Dragos Sbirlea, Alina Simion, **Florin Pop**, Valentin Cristea, *Monitoring and Performance Analysis of Workflow Applications in Large Scale Distributed Systems*, Intelligent Networking, Collaborative Systems and Applications, 2010 Springer-Verlag Berlin Heidelberg, pp: 171-192, ISBN 978-3-642-16792-8.
- D22. Bogdan Ghit, **Florin Pop**, Valentin Cristea, *Intrusion Detection in Multi-Agent Systems*, Intelligent Networking, Collaborative Systems and Applications, 2010 Springer-Verlag Berlin Heidelberg, pp: 235-256, ISBN 978-3-642-16792-8.
- D23. George Iordache, Marcela Boboila, **Florin Pop**, Corina Stratan, Valentin Cristea, *Decentralized Grid Scheduling using Genetic Algorithms*, Chapter in Metaheuristics for Scheduling in Industrial and Manufacturing Applications, Series: Studies in Computational Intelligence, Vol. 128, Xhafa, Fatos; Abraham, Ajith (Editors), pp 215-246., ISBN: 978-3-540-78984-0, 2008.
- D24. **Florin Pop**, Costin Grigoras, Alexandru Costan, Ciprian Dobre, Valentin Cristea, *Tehnologii actuale in sistemele Grid*, in Dorian Gorgan, Cornelia Melenti (des.), Prelucrarea grafică paralelă și distribuită pe structură Grid a datelor geografice și de mediu, volumul 2, pp. 85-103, Editura Mediamira, ISBN: 973-713-090-1, 2006.

IV. ARTICOLE / STUDII IN EXTENSO PUBLICATE (R, V)

Ris – Reviste de specialitate de circulație internațională recunoscute (cotate / indexate ISI Thomson Reuters, sau indexate in alte Baze de Date Internationale - BDI specifice domeniului, care fac un proces de selectie a revistelor pe baza unor criterii de performanta).

Rio – Alte reviste de specialitate de circulație internațională.

Rns – Reviste de specialitate de circulație națională recunoscute de CNCSIS.

Rno – Alte reviste de specialitate de circulație națională.

Vis – Volumele unor manifestări științifice internaționale recunoscute, organizate in țară și străinătate, indexate ISI Thomson Reuters sau indexate in alte Baze de Date Internationale - BDI specifice domeniului, care fac un proces de selectie a publicațiilor pe baza unor criterii de performanta.

Vi – Volumele unor manifestări științifice internaționale recunoscute, organizate in țară și străinătate;

Vn – Volumele unor manifestări științifice naționale.

- Ris1. Popa, Alin-Bogdan, Bogdan-Călin Ciobanu, Voichița Iancu, **Florin Pop**, and Pantelimon George Popescu. "SkySwapping: Entanglement resupply by separating quantum swapping and photon exchange." *Future Generation Computer Systems* 158 (2024): 89-97.
- Ris2. Stoleriu, Razvan, Andrei Nascu, Ana Magdalena Anghel, and **Florin Pop**. "Bullying Detection Solution for GIFs Using a Deep Learning Approach." *Information* 15, no. 8 (2024): 446.
- Ris3. Anca-Elena Iorga, Bogdan-Costel Mocanu, **Florin Pop**, "Achieving a digital workplace", *Romanian Journal of Information Technology and Automatic Control*, ISSN 1220-1758, vol. 34(3), pp. 91-104, 2024.
- Ris4. Furuți, Bogdan-Cristian, Răzvan-Ștefan Păduraru, Cătălin Negru, Alina Petrescu-Niță, Octavian Bădescu, and **Florin Pop**. "Road risk-index analysis using satellite products." *Sensors* 23, no. 5 (2023): 2751.
- Ris5. Voicu, Sânziana-Aurelia, **Florin Pop**, Cătălin Negru, and Adrian Stoica. "System and log monitoring for Data Hub Software (DHuS)." *Romanian Journal of Information Technology and Automatic Control/Vol* 30, no. 1 (2020).
- Ris6. Ungureanu, Dan, Stefan-Adrian Toma, Ion-Dorinel Filip, Bogdan-Costel Mocanu, Iulian Aciobăniței, Bogdan Marghescu, Titus Balan, Mihai Dascalu, Ion Bica, and **Florin Pop**. "ODIN112—AI-Assisted Emergency Services in Romania." *Applied Sciences* 13, no. 1 (2023): 639.
- Ris7. Mocanu, Bogdan-Costel, Ion-Dorinel Filip, Remus-Dan Ungureanu, Catalin Negru, Mihai Dascalu, Stefan-Adrian Toma, Titus-Constantin Balan, Ion Bica, and **Florin Pop**. "Odin ivr-interactive solution for emergency calls handling." *Applied Sciences* 12, no. 21 (2022): 10844.
- Ris8. Ciobanu, Bogdan-Călin, **Florin Pop**, and Pantelimon George Popescu. "A fast way to compute definite integrals." *Soft Computing* 26, no. 24 (2022): 13485-13488.
- Ris9. Cristian Silișteanu, Damian, Bogdan Costel Mocanu, Mihnea Horia Vrejoiu, and **Florin Pop**. "Soluție pentru planificarea în timp real în sisteme distribuite utilizând algoritmi genetici." *Romanian Journal of Information Technology & Automatic Control/Revista Română de Informatică și Automatică* 32, no. 3 (2022).
- Ris10. Ifrim, Claudia, Bogdan Costel Mocanu, **Florin Pop**, Valentin Cristea, and Manolis Wallace. "Software Architecture of Data Aggregation System.", *U.P.B. Sci. Bull., Series C*, Vol. 84, Iss. 3, 2022.
- Ris11. Abate, Andrea Francesco, Lucia Cimmino, Bogdan-Costel Mocanu, Fabio Narducci, and **Florin Pop**. "The limitations for expression recognition in computer vision introduced by facial masks." *Multimedia Tools and Applications* 82, no. 8 (2023): 11305-11319.
- Ris12. Negru, Catalin, George Musat, Madalin Colezea, Constantin Anghel, Alexandru Dumitrascu, **Florin Pop**, Carmen De Maio, and Aniello Castiglione. "Dependable workflow management system for smart farms." *Connection Science* 34, no. 1 (2022): 1833-1854.
- Ris13. Filip, Ion-Dorinel, Cristian-Mihai Ilescu, and **Florin Pop**. "Assertive, Selective, Scalable IoT-Based Warning System." *Sensors* 22, no. 3 (2022): 1015.
- Ris14. Avram, Maria-Ruxandra, and **Florin Pop**. "Real-time running workouts monitoring using Cloud-Edge computing." *Neural Computing and Applications* 35, no. 19 (2023): 13803-13822.
- Ris15. Tănăsescu, Andrei, Mihai Carabaș, **Florin Pop**, and Pantelimon George Popescu. "Scalability of K-tridiagonal matrix singular value decomposition." *Mathematics* 9, no. 23 (2021): 3123.
- Ris16. Palanciuc, Dorin, and **Florin Pop**. "Implementing Replication of Objects in DOORS—The Object-Oriented Runtime System for Edge Computing." *Sensors* 21, no. 23 (2021): 7883.
- Ris17. Stan, Roxana-Gabriela, Lidia Băjenaru, Cătălin Negru, and **Florin Pop**. "Evaluation of task scheduling algorithms in heterogeneous computing environments." *Sensors* 21, no. 17 (2021): 5906.
- Ris18. Apostol, Elena-Simona, Ciprian-Octavian Truică, **Florin Pop**, and Christian Esposito. "Change point enhanced anomaly detection for IoT time series data." *Water* 13, no. 12 (2021): 1633.

- Ris19. Marcel Antal, Claudia Pop, Tudor Cioara, Ionut Anghel, Ioan Salomie, **Florin Pop**. A system of systems approach for data centers optimization and integration into smart energy grids. *Future Generation Computer Systems*, 105, 948-963, 2020.
- Ris20. IORDACHE, George-Valentin, Cătălin Negru, Gabriel Neagu, and **Florin Pop**. "SLA for Cloud processing: use cases for satellite image processing, disaster management and IoT." *Romanian Journal of Information Technology & Automatic Control/Revista Română de Informatică și Automatică* 30, no. 4 (2020).
- Ris21. Iordache, George Valentin, Bogdan Tiganoaia, Catalin Negru, and Florin Pop. "Implementing SLA constraints in Multi-Cloud environments." *Journal of Control Engineering and Applied Informatics* 22, no. 4 (2020): 71-81.
- Ris22. Esposito, Christian, **Florin Pop**, and Jun Huang. "Application of soft computing and machine learning in the big data analytics for smart cities and factories." (2019): 489-490.
- Ris23. Bogdan ȚIGĂNOAIA, George IORDACHE, Cătălin NEGRU, and **Florin POP**. "Scheduling in CloudSim of Interdependent Tasks for SLA Design." *Studies in Informatics and Control* 28, no. 4 (2019): 477-484.
- Ris24. Radu Constantinescu, Radu Constantin Poenaru, **Florin Pop**, and Pantelimon George Popescu. "A new version of KSOR method with lower number of iterations and lower spectral radius." *Soft Computing* 23, no. 22 (2019): 11729-11736.
- Ris25. Roxana Gabriela Stan, Catalin Negru, and **Florin Pop**. "Cloudwave: Content gathering network with flying clouds." *Future Generation Computer Systems* 98 (2019): 474-486.
- Ris26. Adrian Pauna, Ion Bica, **Florin Pop**, and Aniello Castiglione. "On the rewards of self-adaptive IoT honeypots." *Annals of Telecommunications* 74, no. 7-8 (2019): 501-515.
- Ris27. Sânziana Voicu, **Florin Pop**, Cătălin Negru, Adrian Stoica, System and log monitoring for Data Hub Software (DHuS), *Romanian Journal of Information Technology And Automatic Control-revista Romana De Informatica Si Automatica*, 30(1) Pages: 71-86, DOI: 10.33436/v30i1y202006
- Ris28. Bogdan Mocanu, **Florin Pop**, Alexandra Mihaita, Ciprian Dobre, and Aniello Castiglione. "Data fusion technique in spider peer-to-peer networks in smart cities for security enhancements." *Information Sciences* 479 (2019): 607-621.
- Ris29. Radu-Ioan Ciobanu, Catalin Negru, **Florin Pop**, Ciprian Dobre, Constandinos X. Mavromoustakis, and George Mastorakis. "Drop computing: Ad-hoc dynamic collaborative computing." *Future Generation Computer Systems* 92 (2019): 889-899.
- Ris30. Cioara, Tudor, Ionut Anghel, Ioan Salomie, Marcel Antal, Claudia Pop, Massimo Bertocini, Diego Arnone, and **Florin Pop**. "Exploiting data centres energy flexibility in smart cities: Business scenarios." *Information Sciences* 476 (2019): 392-412.
- Ris31. Filip, Ion-Dorinel, Andrei Vlad Postoaca, Radu-Dumitru Stochitoiu, Darius-Florentin Neatu, Catalin Negru, and Florin Pop. "Data Capsule: Representation of Heterogeneous Data in Cloud-Edge Computing." *IEEE Access* 7 (2019): 49558-49567.
- Ris32. Marius Cristian CÎRȚÎNĂ, **Florin POP**, Mădălina Cornelia ZAMFIR, Vladimir FLORIAN, Gabriel NEAGU, Data catalog in Cloud environment for natural disasters, *Romanian Journal of Information Technology and Automatic Control*, ISSN 1220-1758, vol. 29(1), pp. 19-34, 2019. <https://doi.org/10.33436/v29i1y201902>
- Ris33. Custura, Adrian-Mihai, Lidia Bajenaru, and **Florin Pop**. "An automatic method for the analysis of scientific literature collection." *STUDIES IN INFORMATICS AND CONTROL* 27, no. 4 (2018): 423-430.
- Ris34. Colezea, Madalin, George Musat, **Florin Pop**, Catalin Negru, Alexandru Dumitrascu, and Mariana Mocanu. "CLUeFARM: Integrated web-service platform for smart farms." *Computers and Electronics in Agriculture* 154 (2018): 134-154.
- Ris35. Esposito, Christian, Aniello Castiglione, Francesco Palmieri, and **Florin Pop**. "Distributed strategic learning and game theoretic formulation of network embedded coding." *Journal of Computational Science* 28 (2018): 426-438.
- Ris36. Chifor, Bogdan-Cosmin, Ion Bica, Victor-Valeriu Patriciu, and **Florin Pop**. "A security authorization scheme for smart home Internet of Things devices." *Future Generation Computer Systems* 86 (2018): 740-749.
- Ris37. Filip, Ion-Dorinel, **Florin Pop**, Cristina Serbanescu, and Chang Choi. "Microservices scheduling model over heterogeneous cloud-edge environments as support for iot applications." *IEEE Internet of Things Journal* 5, no. 4 (2018): 2672-2681.
- Ris38. Varga, Mihai, Alina Petrescu-Nita, and **Florin Pop**. "Deadline scheduling algorithm for sustainable computing in Hadoop environment." *Computers & Security* 76 (2018): 354-366.

- Ris39. Esposito, Christian, Aniello Castiglione, Francesco Palmieri, Massimo Ficco, Ciprian Dobre, George V. Iordache, and **Florin Pop**. "Event-based sensor data exchange and fusion in the Internet of Things environments." *Journal of Parallel and Distributed Computing* 118 (2018): 328-343.
- Ris40. Orhean, Alexandru Iulian, Florin Pop, and Ioan Raicu. "New scheduling approach using reinforcement learning for heterogeneous distributed systems." *Journal of Parallel and Distributed Computing* 117 (2018): 292-302.
- Ris41. Popa, Emilia, Mauro Iacono, and **Florin Pop**. "Adapting MCP and HLFET algorithms to multiple simultaneous scheduling." *International Journal of Parallel Programming* 46, no. 3 (2018): 607-629.
- Ris42. Musat, George-Alexandru, Mădălin Colezea, **Florin Pop**, Catalin Negru, Mariana Mocanu, Christian Esposito, and Aniello Castiglione. "Advanced services for efficient management of smart farms." *Journal of Parallel and Distributed Computing* 116 (2018): 3-17.
- Ris43. Vasile, Mihaela-Andreea, **Florin Pop**, NIȚĂ Mihaela-Cătălina, and Valentin Cristea. "MLBox: Machine learning box for asymptotic scheduling." *Information Sciences* 433 (2018): 401-416.
- Ris44. Cioara, Tudor, Ionut Anghel, Ioan Salomie, Lina Barakat, Simon Miles, Dianne Reidlinger, Adel Taweel, Ciprian Dobre, and **Florin Pop**. "Expert system for nutrition care process of older adults." *Future Generation Computer Systems* 80 (2018): 368-383.
- Ris45. Poenaru, Andrei, Roxana Istrate, and **Florin Pop**. "AFT: Adaptive and fault tolerant peer-to-peer overlay—A user-centric solution for data sharing." *Future Generation Computer Systems* 80 (2018): 583-595.
- Ris46. Ifrim, Claudia, Iulian Iuga, **Florin Pop**, Manolis Wallace, and Vassilis Pouloupoulos. "Data Reduction Techniques Applied on Automatic Identification System Data." In *International KEYSTONE Conference on Semantic Keyword-Based Search on Structured Data Sources*, pp. 14-19. Springer, Cham, 2017.
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V. BREVETE DE INVENȚIE / INOVAȚII (B, A)

B – Brevete de invenție; A – Inovații și alte creații.

- A1. TSPeer–Trust model for spherical Peer-to-Peer overlay networks (2024);
- A2. NextEDR–Next generation agent-based EDR systems for cybersecurity threats (2024);
- A3. Road Risk-Index Analysis Using Satellite Products (2023);
- A4. CPSOCKS: Cross-Platform Privacy Overlay Adapter Based on SOCKSv5 Protocol (2023);
- A5. DOORS–A medium-scale distributed system (2022);
- A6. Real-Time Scheduling in Drop Computing (2021);
- A7. Cloudwave–Content gathering network with flying clouds (2020);
- A8. Faster and Scalable Parallel Processing Solution to Remove Visual Obstacles from Satellite Imagery (2019);
- A9. Data Capsule: Representation of Heterogeneous Data in Cloud-Edge Computing (2019);
- A10. CollectGATE–Platforma de colectare, agregare și regasire a informațiilor structurate sub forma de serviciu integrat în platforma eUPB (aplicatie dezvoltata în cadrul proiectelor de cercetare, 2010-2013);
- A11. DyAG–Web service monitoring and dynamic resource allocation in Grid environments (aplicatie dezvoltata în cadrul proiectelor de cercetare, 2009-2011);
- A12. CriticalChange–Detection of critical areas in satellite images (aplicatie dezvoltata în cadrul proiectelor de cercetare, Grid Application, 2008-2010);
- A13. DIOGENES–Distributed near-Optimal Genetic Algorithm for Grid Applications Scheduling (aplicatie dezvoltata în cadrul proiectelor de cercetare, 2007-2010);

- A14. ChangeDSI–Grid Application for the detection of changes in satellite images (aplicatie dezvoltata in cadrul proiectelor de cercetare, 2007-2010);
- A15. GENERIS–Grid service for the detection and prevention of natural disasters (aplicatie dezvoltata in cadrul proiectelor de cercetare, 2007-2010).

VI. CONTRACTE ȘI RAPORTE ȘTIINȚIFICE (P, F)

P – Proiecte de cercetare–dezvoltare–inovare obținute prin competiție, pe bază de contract/grant, în țară/străinătate (Pn – naționale, Pi – internaționale);
F – Alte lucrări de cercetare–dezvoltare.

Observație: a se menționa calitatea de responsabil/director sau coautor.

- Pn1. SOL-2024-13 - *Sistem portabil rezilient și securizat pentru migrarea datelor în cloud*, PN-IV-P6-6.3-SOL-2024-0068, Responsabil partener din partea ICI București (2024-2027).
- Pn2. SOL-2024-16 - *Realizarea infrastructurii naționale de informații spațiale, componenta CDI (INIS-CDI)*, PN-IV-P6-6.3-SOL-2024-2-020, Responsabil partener din partea POLITEHNICA București (2024-2027).
- Pn3. SOL-2024-17 - *Extinderea infrastructurii naționale participantă la segmentul de sol colaborativ European (COLGS-RO)*, PN-IV-P6-6.3-SOL-2024-2-0248, Membru cercetător, responsabil echipă de cercetare din cadrul partenerului POLITEHNICA București (2024 – 2028).
- Pn4. NetZeRoCities – *Centrul Național de Competențe și soluții pentru dezvoltarea orașelor inteligente neutre climatic*, Contractul de finanțare nr. 760007 / 30.12.2022, cod. 6/16.11.2022, Proiect PNRR. Director proiect component specific: *Climate-Neutral Governance*. (2023-2026).
- Pn5. *ODIN112 - Sistem informatic de transcriere în timp real a vorbirii în text pentru limba română și recunoașterea stărilor emoționale în apelurile de urgență 112*, Proiect de tip Soluții, Responsabil din partea UPB (2021 – 2022).
- Pn6. SPERO – Tehnologii spațiale în managementul dezastrelor și crizelor majore, manifestate la nivel local, național și regional este finanțat de Ministrul Cercetării și Inovării, UEFISCDI, având codul de proiect PN-III-P2-2.1-SOL-2016-03-0046, contract numărul 3Sol/2017, în cadrul programului PNCDI III, perioada de derulare: Aprilie 2017 – Martie 2020, **Proiect Director: Florin Pop**.
- Pn7. OPTIMizarea rezultatelor cercetării aplicative a doctoranzilor și cercetătorilor postdoctorat – OPTIM Research Subactivitatea SA 3.1 Selecția, menținerea, monitorizarea grupului țintă și acordarea de sprijin financiar, Cod MySMIS: 153735, MENTOR
- Pn8. Creșterea capacității de cercetare a UPB in tehnologii Cloud si prelucrarea masiva de date (CloudPrecis) 344/390020. Interval: 2021-2023, Membru.
- Pn9. Dezvoltarea Capacitatii Institutionale a Universitatii POLITEHNICA din Bucuresti (DECIP) PFE1. Interval: 2022-2024, Membru.
- Pn10. Învățare federată pentru mobilitate umană (FARGO) PCE 240/2021. Interval: 2021-2024, Membru.
- Pn11. Modern distributed platform for educational applications in Cloud Edge Continuum environments, 11/10/2023 - 31/12/2024, Responsabil: Bogdan-Costel - MOCANU, Membru.
- Pn12. Development of new computational linguistic resources for the Romanian language, 11/10/2023 - 31/12/2024, Responsabil: Dumitru Clementin - CERCEL, Membru.
- Pn13. Smart system for analyzing and stopping antisocial behavior in online communities, 10/10/2023 - 31/12/2024, Responsabil: Elena Simona - APOSTOL, Membru.
- Pn14. Intelligent interactive system for detecting the veracity of news published on social platforms, 10/10/2023 - 31/12/2024, Responsabil: Ciprian Octavian - TRUICA, Membru.
- Pn15. “Sistem mobil de telemonitorizare a calității aerului - TEL-MONAER”, contract subsidiar nr. 1223 / 22.01.2018 din cadrul proiectului ”Ecosistem de cercetare, inovare și dezvoltare de produse și servicii TIC pentru o societate conectată la Internet of Things – NETIO” cod MySmis 105976, contract nr. 53/05.09.2016, Membru.
- Pn16. ForestMon – Sistem software experimental în arhitectura Cloud pentru monitorizarea acoperirii cu vegetație lemnoasă, Nr. 1270./22.01.2018, Contractul de finanțare nr. 53/05.09.2016, aferent cererii de finanțare ”Ecosistem de cercetare, inovare și dezvoltare de produse și servicii TIC pentru o societate conectată la Internet of Things – NETIO”, ID P_40_270, cod SMIS2014+ 105976, Membru.

- Pn17. „Susținerea creșterii capacității instituționale de cercetare a Uinversității Politehnica București” (acronim CRESCDI) câștigat la competiția lansată de MCI la apelul Proiecte de dezvoltare instituțională – Proiecte de finanțare a excelenței în CDI, Ctr. Nr. 25PFE din 17.10.2018.
- Pn18. ROBIN-Cloud: Platformă informatică distribuită pentru sisteme pervasive, în contextul sistemelor Cloud-Edge, PN-III-P1-1.2-PCCDI-2017-0734 (nr. 72PCCDI / 2018), Proiect component 5, 01/03/2018 - 30/10/2020, Director Proiect Component: Florin Pop, Directoe Proiect Complex: Prof. Adina Magda-Florea.
- Pn19. 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.
- Pn20. 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.
- Pn21. 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 cresterea 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.
- Pn22. 2014-2016: *MobyWay: Mobility Beyond Individualism: an Integrated Platform for Intelligent Transportation Systems of Tomorrow* (Ro: Platformă Integrată pentru Sistemele de Transport Inteligent ale Viitorului), Project code PN-II-PT-PCCA-2013-4, No. 16/2014, Director: Conf.Dr.Ing. Ciprian DOBRE, Period: October 2014 - September 2016, Participant.
- Pn23. 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.
- Pn24. 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.
- Pn25. 2012-2013: *SideDOWN: Smart Internet Data Downloader and Aggregator*, Cod PN-II-IN-CI-2012-1-0324, Contract 165CI/09.11.2012 (Cecuri de inovare), Coordonator Furnizorul de Servicii (UPB), Perioada de desfasurare: Noiembrie 2012 - Aprilie 2013, Director de proiect: **Florin POP**. Contribuție personală: realizarea unei legaturi catre sursele de date nestructurate, de tip web, in vederea identificarii entitatilor implicate si extragerea informatiilor despre acestea. Pentru realizarea acestui obiectiv, furnizorul de servicii va analiza modalitatea eficienta de realizarea a acestei legaturi si va dezvolta o tehnologie de extragere a informatiilor care se va integra in platform INTEMA (produsa de firma Essential Systems).
- Pn26. 2010-2012: *SORMSYS: Resource Management Optimization in Self-Organizing Large Scale Distributed Systems*, Cod CNCISIS-PN-II-RU-PD-2010-220, Contract 5/28.07.2012, Perioada de desfasurare: Iulie 2010-Iulie 2012, Director de proiect: **Florin POP**. Contribuție personală: optimizarea procesului de management al resurselor in sistemele distribuite de mari dimensiuni avand capacitatea de auto-organizare. Pentru aceasta am proiectat o arhitectura bazata pe solutiile middleware existente, prin proiectarea de algoritmi si metode inspirate din modele naturale. Arhitectura creata este complet descentralizata avand ca scop optimizarea managementului resurselor pentru diferite tipuri de sisteme: Grid, P2P, Cloud. Au fost vizate urmatoarele componente: alocarea de resurse, planificarea de activitati, descoperirea resurselor, monitorizarea resurselor si asigurarea tolerantei la defecte.
- Pn27. 2007-2009: *Intelligent Strategies for Scheduling Optimization in Grid Environments*, Cod CNCISIS-PN-I-RU-TD-20, Contract 49GR/2007, Perioada de desfasurare: Mai 2007 - Mai 2009, Director de proiect: **Florin POP**, Contribuție personală: dezvoltarea unei strategii de optimizare a planificării în medii Grid strategie descentralizată, prin conceperea unui model de planificare bazat pe algoritmi genetici. În cadrul proiectului am creat am propus un model de evaluare a algoritmilor de planificare cu ajutorul simulării. Modelul planificării descentralizate a fost implementat prin intermediul unei platforme de agenți pentru a asigura toleranța la defecte.
- Pn28. 2010-2013: INSEED: Program strategic pentru promovarea inovarii in servicii prin educatie deschisa, continua, OIPOS DRU, Proiect Multi-Regional, Axă: 1."Educația și formarea profesională în sprijinul creșterii economice și dezvoltării societății bazate pe cunoaștere", ID: 57748, Director proiect: Prof.dr.ing. Theodor Borangiu (UPB), Perioada de desfasurare: Septembrie 2010 - August 2013. Contribuție personală: Realizarea continutului digital pentru doua cursuri de master: "Architecture of Service Oriented Information Systems" si "e-Business"; Organizarea Seminarului cu participare internationala: "Intellectual Property Rights and Service Innovation" (anul

3); Definirea unor programe speciale de formare privind adaptarea strategiilor de inovare a serviciilor firmelor de profil la internationalizarea pietei serviciilor; Integrarea continutului digital (curs, seminar, laborator, testare) pentru disciplinele programului de master PMS si ale pachetelor de discipline specifice serviciilor in sanatate, administratie, lanturi de aprovizionare, energie sustenabila si e-business in platforma de e-learning; Integrarea unei baze de date nationale de cunoastere (lista de proiecte, solutii, bune practici, aplicatii) in CPIOMS pentru servicii sectoriale (sanatate, administratie, e-business, energie sustenabila) pentru promovarea inovarii in servicii; Conceperea, proiectarea si implementarea functionalitatilor de tip: expozitii virtuale, demonstratii, validari de concepte si solutii pentru inovarea serviciilor.

- Pn29. 2010-2012: Platformă de eLearning și curricula eContent pentru învățământul superior tehnic, POS CCE nr. 154/323 cod SMIS – 4428, proiect co-finanțat prin Fondul European de Dezvoltare Regională, “Investiții pentru viitorul dumneavoastră”. Director proiect: Prof.dr.ing. Nicolae Țăpuș (UPB). Perioade de desfășurare: Octombrie 2010 - Octombrie 2012. Contribuție personală: Realizarea continutului electronic pentru platforma de e-Learning pentru doua cursuri: ”Metode Numerice” si ”Servicii Informatice si standarde deschise”.
- Pn30. 2009-2011: *GEEA: Centru de resurse GRID multi-corE de înaltă performanță pentru suportul cercetării*, Programul Operațional POS CCE, Axa Prioritară AP2: Creșterea Competitivității Economice prin Cercetare - Dezvoltare și Inovare, Cod 226, Contract 51 / 11.05.2009, Director proiect: Prof.dr.ing. Nicolae Țăpuș (UPB), Perioada de desfășurare: 11.05.2009 - 10.05.2011. Contribuție personală: definirea unei componente pentru interoperabilitatea centrelor GRID la nivel de middleware. Întreaga componentă software va asigura QoS și va conține componente precum gestionarea și controlul resurselor sistemelor, monitorizarea resurselor și aplicațiilor, Toleranța la defecte, Securitate, componente dezvoltate și integrate împreună cu echipa din laboratorul de sisteme distribuite.
- Pn31. 2009-2011: *DEPSYS: Models and Techniques for Ensuring Reliability, Safety, Availability, and Security for Large Scale Distributed Systems*, Cod Proiect PN-II-IDEI-2008-1710, Contract 618/15.01.2009, Director proiect: Prof.dr.ing. Valentin Cristea (UPB), perioada de desfășurare: 1 ianuarie 2009 - 31 decembrie 2011. Contribuție personală: coordonarea activităților de definire a funcționalităților componentelor de monitorizare, planificare, management de date, securitate și toleranța la defecte, definire a mecanismelor de extindere pentru obținerea unor nivele de încredere diferite și elaborare a unor propuneri de optimizare pentru dezvoltarea aplicațiilor de încredere.
- Pn32. 2008-2011: *SERAFIMO: 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", Director proiect: Prof.dr.ing. Valentin Cristea (UPB). Perioade de desfășurare: 1 Octombrie 2008 - 10 Decembrie 2011. Contribuție personală: Identificarea tehnologiilor folosite în dezvoltarea proiectului, mai exact pentru tipurile de tranzacții și plăți suportate; Proiectarea modelelor experimentale ale serviciilor sistemului integrat de servicii financiare mobile; Demonstrarea funcționalităților modelului experimental; Proiectarea modului de servicii procesare tranzacții.
- Pn33. 2008-2011: *PACT: 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/, Director proiect: Prof.dr.ing. Valentin Cristea, Perioada de desfășurare: 2008-2011. Contribuție personală: Promotor al programului Stagiipebune, organizarea se stagiilor în cadrul laboratorului de Sisteme Distribuite din cadrul UPB, coordonarea activitatilor de achiziție de echipamente în cadrul proiectului, participarea la seminariile științifice ale proiectului, evaluarea studentilor în programul de practica.
- Pn34. 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, Director Proiect: Mihai Tănase (UTI București), Coordonator UPB: Prof.dr.ing. Valentin Cristea, Perioada de desfășurare: 07 Octombrie 2008 - 10 octombrie 2011. Contribuție personală: Modelare dinamica a fluxurilor de business, în funcție de rolurile, contextul de execuție, locația, disponibilitatea, încărcarea utilizatorilor, analiza algoritmilor și tehnicilor de cautare, regasire, stocare și distribuție a informației cu aplicabilitate în cadrul proiectului.
- Pn35. 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 Programul 4 "Parteneriate în domeniile prioritate", Director Proiect: Dr. Gabriel Neagu (ICI București), Coordonator UPB: Prof.dr.ing. Valentin Cristea, perioada de desfășurare: 21 Septembrie 2007 - 17 Septembrie 2010. Contribuție personală: implementarea unei componente orientată spre planificarea și managementul serviciilor implicate în fluxurile de activități ce descriu aplicațiile științifice. De asemenea, am propus integrarea cu un mecanism de simulare a diferitelor politici și modele de planificare cu scopul calibrării, testării și evaluării. Simularea este o componentă importantă, oferind posibilitatea unei analize detaliate, înainte de integrarea în mediile reale. Interoperabilitatea cu gLite și folosirea facilităților oferite pe partea de planificare vor fi luate în

considerare dezvoltarea componentei de planificare. Componenta de planificare poate colabora cu alte sisteme de planificare locale sau globale din Grid.

- Pn36. 2007-2009: *Decentralized Scheduling in Grid Environments Based on WEB Services Architecture*, Grant CNCISIS-A-512, Tema 18, Contract: 154/2006, Director proiect: Prof.dr.ing. Valentin Cristea (UPB), Perioada de desfasurare: Mai 2007 - Mai 2009. Contribuție personală: analiza algoritmilor de planificare descentralizata utilizați în prezent în Grid-ul global, definirea serviciului web utilizat pentru planificare, analiza resurselor middleware existente în Gridul global, evaluarea algoritmilor de planificare descentralizata implementați cu ajutorul serviciilor web, elaborarea unor propuneri de îmbunătățire a modelului de planificare, realizarea paginii web a proiectului.
- Pn37. 2005-2008: GridMOSI: Virtual organization in Grid technology for high-performance modeling, simulation and optimization, Grant RELANSIN, Contract CEEX 95/2005, Director proiect: Dr. Gabriel Neagu (ICI Bucuresti). Perioade de desfasurare: Decembrie 2005 - Decembrie 2008. Contribuție personală: La nivel național, în cadrul proiectului GridMOSI am adus contribuții în metodele de optimizare a aplicațiilor Grid în cadrul unei organizații virtuale având ca scop găsirea celor mai bune soluții pe aceasta tematica. A fost dezvoltată o soluție distribuită, tolerantă la defecte, scalabilă de planificare dinamică pentru activități cu o repartiție optimă. Planificatorul folosește o combinație de algoritmi genetici și servicii de descoperire pentru a obține o unealtă scalabilă și fiabilă de optimizare.
- Pn38. 2005-2008, MedioGRID: Parallel and distributed processing on Grid of geographical and environmental data, Grant INFOSOC, Contract 19CEEX-I03, Director proiect: Prof.dr.ing. Dorian Gorgan (Universitatea Tehnică Cluj-Napoca). Perioade de desfasurare: Decembrie 2005 - Decembrie 2008. Contribuție personală: Definirea unor prototipuri software: ChangeDSI – Aplicație Grid pentru detecția de schimbări în imagini satelitare, GENERIS – serviciu GRID pentru detecția și prevenirea dezastrelor naturale, CriticalChange – detecția de zone critice în imagini satelitare (aplicație Grid). Algoritmi si tehnici pentru segmentarea imaginilor satelitare. Clasificarea și segmentarea imaginilor satelitare. Arhitectură bazată pe servicii Grid pentru detecția și prevenirea dezastrelor. Metode de detecție a schimbărilor și zonelor critice în imagini satelitare. Soluții de monitorizare Grid pentru platforma MedioGRID (MonALISA și ApMon). Algoritmi de prelucrare cooperativa in sisteme multi-agent. Model descentralizat de planificare (DIOGENES). Prelucrare de imagini satelitare și date de mediu.
- Pn39. 2005-2007: Resource management and Activity Scheduling in Distributed Systems based on Grid Technologies, Grant CNCISIS-A 288/2005, Director proiect: Prof.dr.ing. Valentin Cristea (UPB), Perioada de desfasurare: 2005 - 2007. Contribuție personală: O sinteză originală a algoritmilor de planificare utilizați în prezent și a măsurilor de performanță. Sinteza oferă o perspectiva asupra modelelor de planificatoare, din punct de vedere al arhitecturii acestora (centralizate sau descentralizate) și din punct de vedere al aplicabilității (la nivel de nod, la nivel de cluster sau inter-cluster) având în vedere caracteristicile sistemelor distribuite mari, de tip Grid.
- Pn40. 2004-2006: MON-I: Distributed monitoring of middleware and applications in national Grid infrastructure, Grant INFOSOC, Director proiect: Prof.dr.ing. Valentin Cristea (UPB), Perioada de desfasurare: 2004 – 2006. Contribuție personală: modul de monitorizare MonALISA pentru transferul datelor in medii Grid prin intermediul protocolului GridFTP integrat in sistemul Globus.
- Pi1. DIGITAL4Security, European Masters Programme in Cybersecurity Management & Data Sovereignty, Horizon Europe / Specialised education programmes or modules in key capacity areas (ID: 020234861), 2023 – 2027 (responsabil UPB)
- Pi2. *Digital4Sustainability, Accelerating the Digital & Green Transition in the ICT Industry*, Erasmus + / Partnerships for Innovation – Alliances, 2023 – 2027, Membru.
- Pi3. *Code4Europe - empowering the new generation of Young Digital Europeans*, Horizon Europe / Boosting Digital Skills of young pupils, in particular girls, 2024 – 2027, Membru.
- Pi4. EELISA UNlocking Full innOvation capacity buiLDing and entrepreneurShip(EELISA UNFOLDS) 1203. Interval: 2022-2023, Membru.
- Pi5. Education 4.0: Living Labs for the Students of the Future(LLSF)2021-1-RO01-KA220-HED-000032176. Interval: 2022-2025, Membru.
- Pi6. Virtualized Video Services (VIRTUOSE) (PN-III-P3-3.5-EUK-2017-02-0023) PN-III-P3-3.5-EUK-2017-02-0023. Interval: 2017-2020, Membru.
- Pi7. Platforma de transfer tehnologic a datelor, rezultatelor si software rezultate din activitati de cercetare si inovare (SMARDY) 259 / 2021. Interval: 2021-2024, Membru.
- Pi8. Traffic and Data Offloading in Mobile Networks: TTOff - H2020 under grant agreement No. 644399 (MONROE), 2019-2020, Membru.

- Pi9. *Data4Water* - Excellence in Smart Data and Services for Supporting Water Management, H2020-TWINN-2015, Director: Prof.dr.ing. Mariana Mocanu (UPB). Contribuție personală: responsabil UPB pentru WP2, activități de tip scientific network, respectiv dezvoltarea de materiale livrabile pentru servicii și tehnologii de management a apei (2016-2019).
- Pi10. 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.
- Pi11. ICT COST Action IC1303, *Algorithms, Architectures and Platforms for Enhanced Living Environments* (AAPELE), MC Substitute: Florin Pop (UPB). Period: November 2013 - November 2017.
- Pi12. ICT COST Action IC1403, *Cryptanalysis of ubiquitous computing systems* (CRYPTACUS), MC Substitute: Florin Pop (UPB). Period: November 2014 - November 2018.
- Pi13. ICT COST Action IC1406, *High-Performance Modelling and Simulation for Big Data Applications* (cHiPSet), MC Substitute: Florin Pop (UPB). Period: November 2014 - November 2018.
- Pi14. 2010-2013: *ERRIC: Empowering Romanian Research on Intelligent Information Technologies*, FP7-REGPOT-2010-1, ID: 264207, Director proiect: Prof.dr.ing. Adina Magda Florea (UPB), Perioada de desfășurare: Septembrie 2010 - August 2013. Contribuție personală: expert în domeniul „Large-scale Distributed System Services”, direcție susținută prin proiectul ERRIC; responsabil organizare evenimente științifice (HiPerGRID 2011 și 2012, INCoS-2012, CSCS19-2013); participarea la elabourarea state-of-the-art și direcții de cercetare arminzate cu Horizon 2020 pe domeniul sistemelor distribuite.
- Pi15. 2010-2012: *EGI-InSPRE: Integrated Sustainable Pan-European Infrastructure for Researchers in Europe*, FP7 Contract no. RI-261323, Director Romania: Prof.dr.ing. Nicolae Țăpuș (UPB), Perioada de desfășurare: 1 Mai 2010 - 30 April 2012. Contribuție personală: menținerea activităților de cercetare (în speciale pe partea de planificare la nivel de cluster, prin extinderea planificatorului PBS cu suport pe pentru aplicații complexe cu dependente) în medii Grid în cadrul RoGrid - Romanian National Grid Initiative (<http://www.egi.eu/about/ngis/>) ca inițiativa națională parte a proiectului EGI; activități de cercetare pentru studenții din programul de master SCPD (Sisteme de Calcul Paralele și Distribuite) pentru cursul Metode și Algoritmi de Planificare.
- Pi16. 2010-2012: *DataCloud@work, INRIA Associate Teams Programme*, INRIA Rennes - Bretagne Atlantique and University Politehnica of Bucharest, Director Franța: Luc Bouge (INRIA), Director Romania: Prof.dr.ing. Valentin Cristea (UPB), Perioada de desfășurare: 2010-2012. Contribuție personală: participarea la un stagiu de cercetare științifică cu tematica ”Mata-data generation based on content analysis for binary large object in Cloud Environment”; coordonarea unui stagiu de cercetare cu tematica ”Distributed data aggregation using BlobSeer”; participarea la seminariile științifice organizate în cadrul echipei asociate.
- Pi17. 2008-2010: *EGEE III: Enabling Grids for E-science*, FP7 Contract no. INFSo-RI-222667, Director Romania: Dr. Gabriel Neagu (ICI București), Perioada de desfășurare: 1 Mai 2008 - 30 April 2010. Contribuție personală: organizarea unei sesiuni de instruire, denumită ”Scheduler of the week” (ediția 2008, mainfestare declarată oficial ca eveniment EGEE) cu scopul de a prezenta soluțiile de management a fluxurilor de servicii și metodele de planificare în medii Grid. Am realizat de asemenea o propunere pentru studiul infrastructurii EGEE în vederea realizării și configurării unor componente pentru asigurarea disponibilității, toleranței la defecte, scalabilității, accesibilității sistemelor distribuite de mari dimensiuni.
- Pi18. 2008-2010: *SEE-GRID-SCI: SEE-GRID eInfrastructure for regional eScience*, FP7 Contract no. 211338, Director partener: Prof.dr.ing. Nicolae Țăpuș (UPB), Perioada de desfășurare: Mai 2008 - Mai 2010. Contribuție personală: dezvoltarea unei platforme Grid pentru prelucrarea imaginilor satelitare. Aceasta va avea acces la bazele de date cu imagini satelitare, transferul de date, replicarea, execuția de fluxuri. Platforma Grid de lucru este gLite. Serviciile vor oferi posibilități de a aplica diferite operații asupra imaginilor satelitare: filtre, segmentare, clasificare, detecție de schimbări. Librăriile vor fi proiectate pentru a oferi suportul dezvoltării de aplicații complexe, paralele și/sau distribuite. Pentru componenta de servicii, se vor defini specificațiile funcționale, interacționarea lor cu mediul Grid. De exemplu analiza în timp a zonelor verzi poate fi utilă pentru identificare unor zone critice, supuse schimbărilor majore sau a prezicerii unor dezastre naturale.
- Pi19. 2006-2008: *SEE-GRID-II: South-Eastern European Grid-enabled eInfrastructure Development 2*, FP6 Contract no. 031775, Director proiect: Prof.dr.ing. Nicolae Țăpuș, Perioada de desfășurare: Mai 2006 - Mai 2008. Contribuție personală: contribuția mea s-a axat pe dezvoltarea unei aplicații distribuite pe infrastructura Grid din Sud-Estul Europei, aplicație de planificare (DIOGENES - <http://diogenes.grid.pub.ro/>) descentralizată și de optimizare a procesului de planificare. De asemenea am avut contribuții pe partea de documentație prin realizarea unui ghid despre gridificare a aplicațiilor și a dezvoltării de aplicații folosind MPI și extensii.
- Pi20. 2006-2008: *EGEE II – Enabling Grids for E-science*, FP6 Contract no. INFSo-RI-031688, Director Romania: Dr. Gabriel Neagu (ICI București), Perioada de desfășurare: 1 April 2006 – 31 March 2008. Contribuție personală:

Contribuția majoră în cadrul acestui proiect a constat în sesiunile de prezentati din cadrul seminarului saptamanal "Scheduler of the Week" (editia 2007, manifestare declarata oficial ca eveniment EGEE). De asemenea, am studiat posibilitățile de utilizare a strategiilor de planificare pe infrastructura EGEE (gLite). Am realizat prezentări sub formă de postere în cadrul manifestărilor de tip EGEE User Forum.

- Pi21. 2005-2008: *EU-NCIT: NCIT leading to EU IST Excellency*, FP6-INCO programme, ID: 7046, FP6 Contract 17101, Director proiect: Prof.dr.ing. Nicolae Țăpuș, Perioada de desfasurare: 1 mai 2005 - 30 Aprilie 2008. Contribuție personală: în cadrul proiectului una din direcțiile de cercetare o reprezintă sistemele Grid. Am contribuit la elaborarea de documente privind stadiul actual în cercetare în domeniile de interes din Grid, am elaborat propuneri privind noi direcții de cercetare, organizare de training-uri, școli de vară, participări la conferințe, info-days, workshopuri pentru lărgirea domeniului de expertiza ai membrilor proiectului.
- Pi22. 2004-2006: *EGEE I: Enabling Grids for E-science*, FP6 Contract no. IST-2003-508833, Director Romania: Dr. Gabriel Neagu (ICI Bucuresti), Perioada de desfasurare: 1 April 2004 – 31 March 2006. Contribuție personală: Contribuția majoră în cadrul acestui proiect a constat în sesiunile de instruire din cadrul școlii de vară GridInitiative, edițiile 2 și 3. Prezentările ținute de mine au fost in domeniul planificării activităților, managementul resurselor și realizarea de aplicații distribuite (manifestare declarata oficial ca eveniment EGEE).

Rapoarte științifice elaborate în cadrul proiectelor de cercetare (autor, co-autor)

- F1. SPERO - Realizarea componentei de colectare și gestionare a datelor multi-sursă (2020).
- F2. SPERO - Instalarea platformei web pentru interfața utilizator de acces la datele și serviciile oferite (2019).
- F3. SPERO - Interconectarea la sursele de informații naționale privind dezastre și situații de urgență (2018).
- F4. SPERO - Proiectarea arhitecturii componentei de management al datelor și specificarea datelor / informațiilor ce vor fi integrate / stocate în system (2017)/
- F5. *DataWay – Critical Analysis of Processing Solutions for Big-Data* (2015).
- F6. *Proiectarea de Servicii și Arhitecturi pentru Cyber-Physical Systems* (2014). ClueFarm – Arhitectura platformei Cloud. CyberWater – Proiectarea e-platformei CyberWater.
- F7. *Metode de Planificare pentru Sisteme Distribuite Dinamice: o Abordare Adaptivă* (2014). Modele și algoritmi pentru rețele auto-adaptive. Algoritmi de planificare pentru sistemele Cloud cu auto-adaptare.
- F8. *MobiWay, mobility beyond individualism, proiect MobiWay* (2013).
- F9. *Serviciul de agregare și regăsire a informației* (2013). Modelul general al ontologiei serviciului de stocare și regăsire. Arhitectura Serviciului de Agregare și Regasire a Informației.
- F10. *Optimizarea managementului resurselor în sisteme distribuite auto-organizabile de mari dimensiuni* (2012). Evaluarea criteriilor multiple pentru optimizarea managementului resurselor în medii reale și prin simulare. Dezvoltarea mecanismelor de orchestrare și configurare în sisteme distribuite de mari dimensiuni. Definirea metodelor și algoritmilor pentru optimizarea managementului de resurse în sisteme distribuite.
- F11. *Planificare execuție activități în sisteme distribuite* (2011). Tehnologia de planificare este implementată în componenta de planificare și alocare dinamică de resurse DyAG, folosind paradigma consumator-resurse. Planificatorul de resurse permite implementarea și selectarea mai multor politici (funcții obiectiv).
- F12. *Monitorizare resurse și activități în sisteme distribuite* (2011). Componenta de monitorizare din serviciul de planificare și alocare dinamică a resurselor DyAG se conectează la unul sau mai mult site-uri prin serviciul BDII care rulează în site-ul respectiv și execută cereri regulate către servere-le LDAP pentru a descoperi serviciile web active și pentru a obține informațiile despre starea acestora.
- F13. *Simulare execuție activități în sisteme distribuite* (2011). Tehnologia de simulare a fost utilizată pentru testarea algoritmilor de planificare implementați în serviciul DyAG. Contribuția proiectului a constat în extensia simulatorului pentru sisteme distribuite MONARC, realizat anterior de partenerul UPB, cu facilități de alocare a resurselor necesare execuției fluxurilor de activități.
- F14. *Arhitectură bazată pe servicii Grid pentru detecția și prevenirea dezastrelor* (raport tehnic realizat în cadrul proiectului național MedioGRID), Iunie 2008.
- F15. *Studiul comparativ al algoritmilor de planificare în sistemele Grid*. Raportul are ca scop analiza amănunțită a metodelor și algoritmilor de planificare existenți și compararea acestora după anumite criterii, Februarie 2007.
- F16. *Metode inteligente pentru optimizarea planificării descentralizate a taskurilor în Grid*. Raportul conține rezultatele analizei și testării diferitelor tehnici de optimizare pentru planificarea descentralizată. Una dintre finalitățile acestei raport o constituie determinarea unei metode de optimizare pentru planificare descentralizată, Iunie 2007.

- F17. *Algoritmi si tehnici pentru segmentarea imaginilor satelitare. Metode de detecție a schimbărilor și zonelor critice în imagini satelitare. Clasificarea și segmentarea imaginilor satelitare* (raport tehnic realizat în cadrul proiectului național MedioGRID), Septembrie 2007.
- F18. *Ghid de instalare platformă Grid: Globus, Condor, PBS, MonALISA* (raport tehnic realizat în cadrul proiectelor naționale GridMOSI și MedioGRID), Iunie 2006.
- F19. *Algoritmi si tehnici de prelucrare paralela in arhitecturi Grid* (raport tehnic realizat în cadrul proiectului național MedioGRID), Decembrie 2006.
- F20. *EquiPoly: creating a modern R&D infrastructure for advanced Grid computing and a testbed for various technologies*, project funded by the IBM in the Equinox Scholar Program (<http://cs.pub.ro/~equinox/>). Creating a modern R&D infrastructure for advanced Grid computing and a testbed for various technologies. My contribution in this project was to identify the research topics in Grid applications that require a modern R&D infrastructure.

VII. COMUNICĂRI ȘTIINȚIFICE NEPUBLICATE (E)

E – Lucrări prezentate la diferite seminarii/expoziții, conferințe, etc.

- E1. **Florin Pop**, Ionuț Petre, Dragoș-Cătălin Barbu, Cătălin Negru, *Guvernanța avansată și sigură a datelor în platforme Cloud publice / private*, Conferința Națională Științifică De Toamnă a AOȘR, 2024, Iași, Rolul Inteligenței Artificiale În Dezvoltarea Durabilă a României, 23 Septembrie 2024 – Marți 24 Septembrie 2024.
- E2. Ionuț Petre, Doina Banciu, Carmen-Elena Cîrnu, Bogdan-Costel Mocanu, **Florin Pop**, *Monitorizarea continuă și analiza performanțelor în tranziția orașelor inteligente către neutralitatea climatică*, Conferința Națională Științifică De Toamnă a AOȘR, 2024, Iași, Rolul Inteligenței Artificiale În Dezvoltarea Durabilă a României, 23 Septembrie 2024 – Marți 24 Septembrie 2024.
- E3. Ionuț Petre, **Florin Pop**, *Guvernare inteligentă pentru tranziția neutră din punct de vedere climatic a orașelor inteligente*, Conferința Națională Științifică De Toamnă a AOȘR 2023, "Știința pentru o Societate Sănătoasă", Joi 21 Septembrie 2023 – Sâmbătă 23 Septembrie 2023.
- E4. **Florin Pop**, and Ionuț Laurențiu Petre. "The vision of climate-neutral governance in smart cities." In *Mathematics and Information Technologies: Research and Education*, pp. 8-9. 2023.
- E5. Negru, Catalin, Bogdan-Costel Mocanu, Ion-Dorinel Filip, and **Florin Pop**. "Distributed coordination strategies in cloud-edge continuum." In *Mathematics and Information Technologies: Research and Education*, pp. 85-86. 2023.
- E6. **Florin Pop**, Big Data reduction for smart city environments, Invited Talk, Conferința „Diaspora în Cercetarea Științifică și Învățământul Superior din România - Diaspora și prietenii săi” 2016, Workshop Big Data: Oportunități și Provocări
- E7. **Florin Pop**, *SaaS in the Cloud*, Service Links with R&D and Science Base. Int. INSEED Seminar (2012).
- E8. Ciprian Dobre, **Florin Pop**, Valentin Cristea, Ovidiu-Marian Achim, *A Virtualization-based Approach to Dependability for Service Computing*, 2nd Workshop on Software Services: Cloud Computing and Applications based on Software Services (2011).
- E9. **Florin Pop**, *CollectGATE & BlobSeer - a user perspective*, KerData Scientific Seminar, INRIA, Rennes (2011)
- E10. Valentin Cristea, **Florin Pop**, Large Scale Distributed Systems Research Projects, A&C Brokerage Event, in cadrul proiectului ERRIC (2011).
- E11. **Florin Pop**, *A Roadmap to a Young Researcher's Career*, 2nd Training on Software Services- Cloud computing - November 11-14, 2011, Timisoara, Romania, <http://sprers.eu/events/2nd-training-on-software-services>
- E12. **Florin Pop**, *Solutie de Planificare a Centrului Grid GEEA*, Seminar – Support middleware pentru aplicatii GRID, Workshop ‘GEEA - Centru de resurse GRID multi-core de înaltă performanță’, 14 aprilie 2011.
- E13. Valentin Cristea, **Florin Pop**, *Obiective strategice în participarea României în mari colaborări internaționale în domeniul Științei Serviciilor*, WORKSHOP NATIONAL „Evaluarea potentialului național de CD si a capacitatii de participare la colaborari internationale in domeniul Stiintei Serviciilor.” (2011).
- E14. Vlad Ciobanu, **Florin Pop**, Decebal Popescu, Valentin Cristea, *A Distributed Approach to Business Intelligence Systems Synchronization*, 12th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC-2010), 1st Workshop on Software Services: Frameworks and Platforms (WoSS-2010).
- E15. Dorian Gorgan, Victor Băcu, Gabriel Neagu, Dana Petcu, **Florin Pop**, *ESIP - Grid based Satellite Data Processing Platform*, 4th EGEE User Forum, 2-6 March 2009 in Catania, Sicily, 2009.
- E16. **Florin Pop**, *Process scheduling and monitoring*, SEE-Grid-SCI: Environmental VO training in Cluj-Napoca”, 13 January 2009, Cluj-Napoca (<http://www.see-grid-sci.eu>), 2009.

- E17. Ciprian Dobre, **Florin Pop**, Valentin Cristea, *Simulation based analysis of scheduling models in EGEE environment*, EGEE'08 Conference, Istanbul, Turkey, 22-26 September, 2008.
- E18. Corina Stratan, **Florin Pop**, Valentin Cristea, *A Platform for Developing and Executing Scientific Workflows in Distributed Environments*, Grace Hopper Celebration of Women in Computing, Colorado, USA, 2 October, 2008.
- E19. Florin Pop, Valentin Cristea, *Workflow meta-scheduler for Grid Environments*, EGEE USER FORUM, Clermont-Ferrand, FRANCE, 11-14 February 2008.
- E20. Dana Petcu, Dorian Gorgan, **Florin Pop**, Georgiana Macariu, *MedioGRID: a Grid-based Platform for Satellite Image Processing*, 3rd GRID e-collaboration Workshop for Earth Science and Space, Frascati, Italy, 16-17 January 2008.
- E21. **Florin Pop**, Vlad Posea, Valentin Cristea, Ștefan Trăușan-Matu, "Arhitectură bazată pe servicii web pentru procesarea cunoștințelor în k-Teams", Simpozionul Teoria și Practica Învățării Colaborative în Echipa Virtuale pe Web, 25 octombrie 2007, Universitatea Politehnica din București, Romania, 2007.
- E22. Valentin Cristea, **Florin Pop**, Corina Stratan, *Distributed Optimal Genetic algorithm for grid applications Scheduling*, EGEE USER FORUM, Manchester, UK, 9-11 May 2007.
- E23. **Florin Pop**, *Success story: IBM's student research program PhD Fellowship*, IBM Academic Days for Universities in Romania, IBM's Global Innovation approach in academic research and curriculum development, March 22/23, 2007, Hotel Hilton, Bucharest, Romania, 2007.
- E24. George V. Iordache, Marcela S. Boboila, **Florin Pop**, Corina Stratan, Valentin Cristea, *A Decentralized Strategy for Genetic Scheduling in Heterogeneous Environments*, Learning and Intelligent Optimization Workshop (LION 2007), Andalo (Italy), 12-18 February 2007.

OBSERVAȚII

- a) În categoriile II, III și IV se includ numai lucrările deja publicate sau aflate în procesare în edituri, respectiv nu se include lucrările în manuscris sau alte lucrări (comunicări, referate tematice, etc.). Articolele/studiile în curs de publicare, justificate cu documente, nu vor depăși 10% din total.
- b) Lucrările reeditate care nu includ contribuții noi ale candidatului și lucrarea de bază (inițială) se înregistrează sub același indicativ, precizându-se la fiecare numărul ediției.
- c) Articolele/studiile publicate în reviste sau volumele unor manifestări științifice, reluate de alte publicații, vor fi înregistrate o singură dată, la poziția inițială, cu menționarea reluărilor/reeditărilor.
- d) Recenziile/rezumatul unor lucrări, apărute în alte publicații, vor fi înregistrate la poziția lucrării inițiale, cu menționarea acestora (nu vor fi poziții separate).
- e) Fiecare lucrare este descrisă în limba în care a fost realizată (publicată, prezentată), titlul fiind scris italic
- f) Autorii vor fi prezentați, în totalitate, în ordinea din publicație, cu sublinierea candidatului.
- g) Se vor specifica editura, revista sau manifestarea și/sau alte elemente de localizare, cu menționarea intervalului de pagini din publicație, numărul total de pagini sau alte date similare (după caz), anul sau perioada de realizare.

Candidat:

Prof.dr.ing. Florin POP