List of published scientific works (2000-2016)

List of relevant work:


Books:


D17. V. Cristea, C. Dobre, F. Pop, Context-Aware Environments for the Internet of Things, in Internet of Things and Inter-cooperative Computational Technologies for Collective Intelligence, Nik Bessis, Fatos Xhafa,


Articles in scientific journals:


Ris10. F. Pop, C. Dobre, D. Comaneci, J. Kolodziej, Adaptive scheduling algorithm for media-optimized traffic management in software defined networks, in Computing (ISSN: 0010-485X), Springer (online), Vol. 98, Issue 1-2, pp. 147-168, Jan. 2016 (DOI: 10.1007/s00607-014-0406-9), WOS:000368104400008, IF: 0.59


Ris17. C. Fratila, C. Dobre, F. Pop, V. Cristea, A Transportation Control System for Urban Environments, in Journal of Internet Technology (JIT) (ISSN: 1607-9264), vol. 14, no. 3, pp. 425-441, 2013. WOS:000320291200008, IF: 0.44


Rio2. A. Vladutu, D. Comaneci, C. Dobre, Internet Traffic Classification Based on Flows Statistical Properties with Machine Learning, in International Journal of Network Management (ISSN: 1099-1190), Published online: 13 APR 2016 (DOI: 10.1002/nem.1929). (indexare Wiley Online Library, Google Scholar)


\textbf{Rio15.} \textbf{C. Dobre}, MONARC: A Case Study on Simulation Analysis for LHC Activities, in World Academy of Science, Engineering and Technology (ISSN: 2010-376X), Issue 61, Article# 21, pp. 123-130, January 2012. (indexare DOAJ, GoogleScholar)


\textbf{Rio18.} V. Cristea, \textbf{C. Dobre}. A. Costan, F. Pop. Middleware and architectures for space-based and situated computing, in International Journal of Space-Based and Situated Computing (IJSSC), vol. 1, issue 1, pp. 43-58, 2011. (indexare Inderscience, DOAJ, GoogleScholar)


Articles in scientific conferences and workshops:


**VI98.** F. Pop, C. Dobre, V. Cristea. Performance Analysis of Grid DAG Scheduling Algorithms using MONARC Simulation Tool, in Proc. of 7th International Symposium on Parallel and Distributed Computing


D. Comaneci, S. Stegaru, C. Dobre. Wireless Router as a Physical Access Control System (WRPACS), in Proc. of 17th Annual Scientific Conference on Web Technology, New Media, Communications and Telematics Theory, Methods, Tools and Applications (EUROMEDIA'2012), Bucharest, Romania, pp. 78-84, April 2012. (published by Eurosis)

E. Burceanu, C. Dobre, V. Cristea. Social Shopping Adviser: Recommendation platform based on mobile services, in Proc. of 17th Annual Scientific Conference on Web Technology, New Media, Communications and Telematics Theory, Methods, Tools and Applications (EUROMEDIA'2012), Bucharest, Romania, pp. 39-45, April 2012. (published by Eurosis)

C. Negru, F. Pop, C. Dobre, V. Cristea. Benchmark Analysis for Advanced Distributed Data Storage for Heterogeneous Clusters, in Proc. of 17th Annual Scientific Conference on Web Technology, New Media, Communications and Telematics Theory, Methods, Tools and Applications (EUROMEDIA'2012), Bucharest, Romania, pp. 67-74, April 2012. (published by Eurosis)


C. Dobre. A Simulation Study for T0/T1 Data Replication & Production Activities within CMS, in Proc. of 25th European Simulation and Modelling Conference (ESM'2011), Guimaraes, Portugal, pp. 182-189, October 2011. (published by Eurosis)


**List of grants and contracts (selection from the last 10 years)**

**National projects:**


- 2014-2016: CLuE FARM - Information system based on cloud services, accessible through mobile devices, for quality improvement of products and business development in farms, PNII, ID. 29/2014, Project Director: Prof.dr.ing. Valentin Cristea.
- 2012-2013: SideDOWN - Smart Internet Data Downloader and Aggregator, National PNII - Servicii suport pentru inovare – Cecuri de, ID: PN-II-IN-CI-2012-1-0324, Benef.: SC Essentials Systems SRL.
- 2011-2013: OIPOSDRU, Proiect Multi-Regional, Axa: 1."Educația și formarea profesională în sprijinul creșterii economice și dezvoltării societății bazate pe cunoaștere", ID: 57748, Program strategic pentru promovarea inovării în servicii prin educație deschisă, continuă (INSEED), (Project Director: Prof.dr.ing. T. Borangiu).
- 2004–2006: Grant INFOSOC, Monitorizarea distribuită a middleware-ului și a aplicațiilor din infrastructura Grid națională, acr. MON-I. Project Director: Prof. Dr. Ing. Valentin Cristea.
- 2005–2008: Grant RELANSIN, Monitorizarea distribuită a resurselor din infrastructura Grid națională, acr. MON-R. Project Director: Prof. Dr. Ing. Nicolae Tapanus.
International projects:

- 2014-2017: ICT COST Action IC1406, "High-Performance Modelling and Simulation for Big Data Applications" (cHiPSet), project EU COST.
- 2016-2020: COST Action CA15127, "Resilient communication services protecting end-user applications from disaster-based failures (RECODIS)".
- 2016-2020: COST Action CA15140, "Improving Applicability of Nature-Inspired Optimisation by Joining Theory and Practice (ImAppNIO)".
- 2013-2017: ICT COST Action IC1302, "Semantic keyword-based search on structured data sources" (KEYSTONE), project EU COST.
- 2010-2013: FP7-REGPOT-2010-1, ERRIC -Empowering Romanian Research on Intelligent Information Technologies, ID: 264207, Project Director: Prof.dr.ing. Adina Magda Florea.
- 2008 – prezent: FP7 - SEE-GRID-SCI eInfrastructure for regional eScience, IP project FP7, coordinator național ICI.
- 2008 – prezent: FP6 EGEE-III: Enabling Grids for E-sciencE, EU FP6, national coordinator ICI.
- 2005 – 2008: FP6 EU-NCIT – NCIT leading to EU IST excellency, EU FP6, coordinator NCIT-UPB. Project Director: Prof. Dr. Ing. Nicolae Țăpuș.
- 2005 – 2008: FP6 SEE-GRID-II South-Eastern European Grid-enabled eInfrastructure Development, EU FP6, coodinator național ICI.
- 2005 – 2008: FP6 EGEE-II: Enabling Grids for E-sciencE, EU FP6, coordinator național ICI.