

Publication/Publicatii

CĂRTI/BOOKS

1. Grid Computing - de la teorie la practica - Farcas Felix, Liviu Cristian Miclea, Ed. Casa Cartii de Stiinta 2013, ISBN: 978-606-17-0292-3
2. Noțiuni de sisteme de operare și rețele de calculatoare FC4 + W2K - Liviu Miclea, Honoriu Valean, Damian Mihai, Enyedi Szilard, Felix Fărcaș, Edition II, UT PRESS Cluj-Napoca 2005, ISBN: 973-662-155-3
3. Noțiuni de sisteme de operare și rețele de calculatoare RH8 + W2K - Liviu Miclea, Honoriu Valean, Damian Mihai, Enyedi Szilard, Felix Fărcaș, UT PRESS Cluj-Napoca 2004, ISBN: 973-662-155-3
4. Noțiuni de sisteme de operare și rețele de calculatoare - Liviu Miclea, Honoriu Valean, Damian Mihai, Enyedi Szilard, Felix Fărcaș, Ed Dacia Cluj-Napoca 2002, ISBN 973-35-1586-8

I. Lucrări publicate în reviste cotate ISI / ISI published:

1. M.R.C. Trușcă, Ș. Albert, C. Tudoran, M.L. Soran, F. Fărcaș, M. Abrudean, Power Consumption Monitoring Using Additional Monitoring Device, AIP Conference Proceedings 2013, 1565, 185-187.
2. F.Fărcaș, R.Trușcă, Ș.Albert, Izabella Szabo and G.Popeneciu, Application of Green IT for Physics Data Processing at INCDTIM, Processes in Isotopes and Molecules - PIM 2011 – September 29 – 01 October, Cluj-Napoca, Romania, Series: AIP Conference Proceedings, Vol.1425,1-1(2012) DOI:10.1063/1.3681952, Subseries: Materials Physics and Applications, Lazar, Mihaela D. (Ed.)2012, AIP-Press pp. 69-72 (ISBN 978-0-7354-1005-3)

II. Lucrări publicate în revistele cotate ISI și proceedings / proceedings

1. **Farcas Felix**, Trusca Radu, Nagy Jefte, Albert Stefan, Contribution of the RO-14-ITIM site to ATLAS Computing: recent upgrades, 2019 IEEE International Conference on Advanced Scientific Computing (ICASC), 12-14 September, Sinaia, Romania, DOI: 10.1109/ICASC48083.2019.8946280, **INSPEC Accession Number:** 19246839(January 2020)
2. M R C Trușcă, J Nagy, S Albert, **F Fărcaș**, Improve cooling by airflow control inside Data Center - model and simulation, 2019 IEEE International Conference on Advanced Scientific Computing (ICASC), 12-14 September, Sinaia, Romania, DOI: 10.1109/ICASC48083.2019.8946280, **INSPEC Accession Number:** 19246839(January 2020)
3. M R C Trușcă, J Nagy, S Albert, **F Fărcaș**, S Brad, Temperature variation inside Data Center by airflow control - 3D model and simulation, 12th International Conference –

Processes in Isotopes and Molecules (PIM 2019), 25 – 27 September 2019, Cluj-Napoca, România

4. **Felix Farcas**, RaduTrusca, Jefte Nagy, Grid site development at RO-14-ITIM, 2018 Conference Grid, Cloud & High Performance Computing in Science (ROLCG 2018), Proceedings of a meeting held 17-19 October 2018, Cluj-Napoca, Romania, CFP18ROL-POD, ISBN:9781538670439, Pages 44 (1 Vol), Format Softcover, Institute of Electrical and Electronics Engineers (IEEE), Curran Associates, Inc. (Jan 2019)
5. **Felix Farcas**, Jefte Nagy, RaduTrusca, Stefan Albert, RO - 14 - ITIM, upgrades for a diskless site, Grid Cloud and High Performance Computing in Science, RO-LCG 2017, Sinaia, Romania, Book of abstract, 26-28 october 2017, ISBN 978-973-0-25620-8
6. **F. Farcas**, J. Nagy, R. Trusca, Szabo Izabella, S. Albert, RO-14-ITIM upgrade and maintenance, 2015 Conference Grid, Cloud & High Performance Computing in Science (ROLCG 2015), Proceedings of a meeting held 28-30 October 2015, Cluj-Napoca, Romania, Prod#: CFP15ROL-POD, ISBN: 9781479989171, Pages: 101 (1 Vol), Institute of Electrical and Electronics Engineers (IEEE), Curran Associates, Inc. (Jan 2016)
7. M.R.C. Truşcă, Ş. Albert, M.L. Soran, C. Varodi, **F. Farcas**, M.L. Unguresan, Application for some Parameters Monitoring in Installation for Isotopes Separation, *Proceeding of 2014 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR 2014)*, - *THETA 19th edition*, May 22-24, 2014, Cluj-Napoca, Romania
8. M.R.C. Truşcă, Ş. Albert, **F. Fărcaş**, M. L. Soran, M. Abrudean, Power consumption monitoring in ITIM Data center, *Proceeding - Romania Tier 2 Federation "Grid, Cloud & High Performance Computing Science"*, 25 – 27 oct. 2012, Cluj-Napoca, Romania, pp. 93-95 (ISBN 978-973-662-710-1)
9. **F. Fărcaş**, M.R.C. Truşcă, Ş. Albert, L. Soran, G. Popeneciu, ITIM activity in Grid and High Performance Computing, *Proceeding - Romania Tier 2 Federation "Grid, Cloud & High Performance Computing Science"*, 25 – 27 oct. 2012, Cluj-Napoca, Romania, 27-30 (ISBN 978-973-662-710-1)
10. M.R.C. Truşcă, Ş. Albert, **F. Fărcaş**, M. L. Soran, M. Abrudean, Implementation of an Additional Monitoring Device to Prevent Failures of the Cooling Systems, *Proceeding of 2012 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR 2012)*, - *THETA 18th edition*, May 24-27, 2012, Cluj-Napoca, Romania, M1 225
11. **Felix Farcas**, *Development of INCDTIM Datacenter using „green IT”*, XXIII International Symposium on Nuclear Electronics & Computing, NEC 2011, Book of Abstract, plenary session
12. M.R.C. Trusca, **F. Farcas**, C.G. Floare, S. Albert, I. Szabo, Techniques for parameters monitoring in data center, XXIII International Symposium on Nuclear Electronics & Computing NEC'2011, Bulgaria, Varna, 12-19 September, 2011, pp. 259-263
13. **F. Farcas**, R. Trusca, Grid computing improvement at INCDTIM Cluj, *Proceeding of REV-2011, Remote Engineering and Virtual Instrumentation*, International Association

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14. **Felix Fărcaș**, Gabriel Popeneciu, Liviu Miclea, *RO-14-ITIM a competitive European Research Grid site*, Journal of Computer Science and Control Systems (JCSCS), vol 3, nr 2., 2010 CNCSIS B+
15. **Felix Fărcaș**, Albert Stefan, Larisa Olaru, Liviu Miclea, Gabriel Popeneciu, Mihaela Raportaru, *Techniques and solution for monitoirng the RO-14-ITIM Grid site*, Proceedings of 2010 IEEE International Conference on Automation, Quality and Testing, Robotics AQTR 2010 - THETA 17th edition, May 28-30, 2010, Cluj-Napoca, Romania, ISBN: 978-1-4244-2576-5, TOME III pp 148-152
16. **Fărcaș Felix**, Popeneciu Gabriel, *Toward a high performance grid site RO-14-ITIM and the contribution to WLCG*, International Joint Conferences on Computer, Information, and Systems Sciences, and Engineering (CISSE 09), CISSE 2009 Proceedings, Volume 1, Technological Developments in Networking, Education and Automation (Elleithy, Sobh, Iskander, Karim, Mahmood), ISBN: 978-90-481-9111-6
17. **Fărcaș Felix**, Szabo Izabella, Bulinschi Alexandra, Miclea Liviu, Bot Adrian, *Romanian Grid Database*, ProceodingsCSCS – 17, 17th International Conference on Control System and Computer Science, 26-29 may 2009, Copyright © 2009, Editura Politehnica Press, ISBN: 2066-4451, Vol 2, pp 461-465
18. **Felix Fărcaș**, Albert Stefan, Gabriel Popeneciu, Liviu Miclea *Monitoring Resources for RO-14-ITIM Grid site*, The Automation, Computers, Applied Mathematics, iulie 2010, Scence Journalm, Mediaamira Science Publischer, recunoscuta CNCSIS B, P357-363 vol 18 /2009 nr. 3
19. Gh. Adam, S.D. Belov, **F. Fărcaș**, C. Floare, V.V. Korenkov, V.V. Mitsyn, G. Popeneciu, R. Trusca, Infrastructure optimization for Deploying a MPI cluster dedicated to nano- and biomolecular processing, *The 4-rd International Conference "Distributed Computing and Grid-technologies in Science and Education"* June 30 - July 4, 2010 Dubna, Russia, pp 25-29, (ISBN 978-5-9530-0269-1)
20. **Felix Fărcaș**, Gabriel Popeneciu, Attila Bende, Cristian Morari, Sergey Belov, Liviu Miclea, *ITIM Distributed Grid System applied in high energy, biomolecular and nanotehnology physics*, Proceedings of 2008 IEEE International Conference on Automation, Quality and Testing, Robotics AQTR 2008 - THETA 16th edition, May 22-25, 2008, Cluj-Napoca, Romania, ISBN: 978-1-4244-2576-1, TOME III pp 343-346

III. Whitepaper

1. Dr. Emanuel C. Baci, Dr. Lidia A. Baci, **Dr. Ing. Felix Farcas**, Dr. Cosmin Crisan, Dr. Bogdan Robu, Dave Gardner, Lucia Crisan, Marian Lacatusu, Dr. Ec. Diana F. Nicoara, Lorraine Gardner, *Next generation renewable energy crypto-coin*, <https://voltpot.org/white-paper/>