

## Prof.dr.ing. Radu Dobrescu

### Lista de lucrări în domeniul Știința și Tehnologia Informației // Ingineria sistemelor (2001-2016)

#### Carti (sau capitole in carti)

1. R. Dobrescu, F. Ionescu – Large scale networks. Modeling and Simulation, CRC Press (Taylor and Francis Group), 2016
2. Gheorghe Florea , Radu Dobrescu, Oana Chenaru, Mircea Eremia, Lucian Toma, Methodology and Framework for Development of Smart Grid Control, in Th. Borangiu, A. Thomas and D. Trentesaux, Eds., Springer book series "Studies in Computational Intelligence 640", volume Service Orientation in Holonic and Multi-Agent Manufacturing, p.319-327, Springer Verlag, 2016 (eBook)
3. Grigore Stamatescu, Dan Popescu, Radu Dobrescu, Framework for Cognitive Radio Deployment in Large Scale WSN-UAV Surveillance, Book Chapter in Recent Advances in Systems Safety and Security Volume 62 of the series Studies in Systems, Decision and Control, pp 41-56, 2016
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5. Radu Dobrescu, Matei Dobrescu, Gheorghe Florea, Integrating Risk and Hazard and Plantwide Control Solutions for Reconfigurability, in Th. Borangiu, A. Thomas and D. Trentesaux, Eds., Springer book series "Studies in Computational Intelligence 594", volume Service Orientation in Holonic and Multi-Agent Manufacturing and Robotics, p.103-114, Springer Verlag, 2015
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7. Radu Dobrescu, Matei Dobrescu, Gheorghe Florea, Victor Purcarea, Optimized Location Discovery Algorithm for Cooperative Activities of a Robot Team, Service Orientation in Holonic and Multi-Agent Manufacturing and Robotics, Th. Borangiu, A. Thomas and D. Trentesaux, Eds., Springer book series "Studies in Computational Intelligence", p.343-354, Springer Verlag, 2014
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1. Oscar Martinez Mozos, Virginia Sandulescu, Sally Andrews, David Ellis, Nicola Bellotto, Radu Dobrescu, Jose Manuel Ferrandez, Stress Detection Using Wearable Physiological and Sociometric Sensors, International Journal of Neural Systems, Vol. 27, No. 2, pp. 1650041 (1-16), 2017
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#### **Comunicari publicate in volum la conferinte internationale (ISI Proceedings)**

1. Florea, G, Chenaru, O., Dobrescu, R., Popescu, D. Evolution from Power Grid to Smart Grid: Design challenges, 19th International Conference on System Theory, Control and Computing (ICSTCC), 2015. pp.912-916
2. Virginia Sandulescu, Radu Dobrescu - Wearable System for Stress Monitoring of Firefighters in Special Missions, Proc. of 5-th edition of the International Conference on e-Health and Bioengineering, EHB 2015, on CD 3. V. Sandulescu, S. Andrews, D. Ellis, R. Dobrescu, O. M. Mozos - Mobile App for Stress Monitoring using Voice Features, Proc. of 5-th edition of the International Conference on e-Health and Bioengineering, EHB 2015
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7. Gheorghe Florea, Radu Dobrescu, Oana Rohat, From bridge to control hub — The power Smart Grid evolution, Proc. of the 2nd International Conference on Systems and Computer Science (ICSCS), p. 111-120, 2013
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### **Granturi si Contracte de cercetare (2000-2016)**

(prof. R. Dobrescu director/responsabil)

1. Pregătirea sistemului național de e-Administrație în România – SMIS, PODCA / UEFISCDI, 2014-2015
2. Mobilized Lifestyle with Wearables, ITEA2\_Life Wear / Eureka, FP 7, 2012-2013
3. Modele si tehnici morfometrice cu aplicatii in ameliorarea diagnosticului imagistic in cancere digestive si evaluarea de noi terapii – IMAGO, PN2 / CNMP, 2008-2010
4. Mediu de simulare bazat pe rețele liber scalabile pentru modelarea proceselor biologice cu dinamica neliniara a evolutiei, IDEI / CNCSIS, 2007-2010
5. Impactul Splenectomiei totale versus splenectomie partiala asupra imunitatii celulare si umorale, CEEX prin Viasan, 2007-2008
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