

Monographs and book chapters published in 2012-2015

B1. Monographs and book chapters in international publishing houses

Authors in the doctorate domain System Engineering

Neculai Andrei and Ph.D. students

1. N. Andrei (2013). Nonlinear Optimization Applications using the GAMS Technology, Springer Science+Business Media New York, Springer Optimization and its Applications Series. Vol. 81, 2013, ISBN: 978-1-4614-6796-0, ISBN: 978-1-4614-6796-7 (eBook), DOI: 10.1007/978-1-4614-6796-7

Theodor Borangiu and Ph.D. students

2. Borangiu, Th., Thomas, A., Trentesaux, D., Eds. (2015). Service Orientation in Holonic and Multi-Agent Manufacturing, Springer Series Studies in Computational Intelligence and Complexity, Vol. 594, ISBN 978-3-319-15159-5, DOI: 10.1007/978-3-319-15159-5, <http://link.springer.com/book/10.1007/978-3-319-15159-5>, Springer Int. Publish. AG Switzerland
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4. Borangiu, Th., Thomas, A., Trentesaux, D., Eds. (2014). Service Orientation in Holonic and Multi-Agent Manufacturing and Robotics, Springer Series Studies in Computational Intelligence and Complexity, Vol. 544, DOI: 10.1007/978-3-319-04735-5, Springer, ISBN: 978-3-319-04734-8 (Print), 978-3-319-04735-5 (Online), <http://link.springer.com/book/10.1007/978-3-319-04735-5>
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9. Borangiu, Th., Ed. (2013). Information Control Problems in Manufacturing, Special issue of Journal of Intelligent Manufacturing, Springer US, DOI: 10.1007/s10845-013-0769-3, ISSN 0965-3, Springer
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11. Borangiu, Th., Thomas, A. and D. Trentesaux, Eds. (2012). Service Orientation in Holonic and Multi-Agent Manufacturing Control, Springer Series Studies in Computational Intelligence and Complexity, Vol. 402, DOI: 10.1007/978-3-642-27449-7, Springer, ISBN 978-3-642-27448-0, <http://www.springer.com/engineering/computational+intelligence+and+complexity/book/978-3-642-27448-0>
12. Borangiu, Th., Dolgui, A., Dumitrache, I., Filip, F.G., Eds. (2012). Proceedings volume of the 14th IFAC Symposium on Information Control Problems in Manufacturing INCOM'12, May 23-25, Bucharest, IFAC Publications, ISBN: 978-3-902661-98-2, Elsevier
13. Borangiu, Th., Anton, F.D. and Silvia Anton (2012). Dual Robot Control for Part Handling Services with Human Interaction, Book chapter in (Marco Ceccarelli Ed.) Service Robots and Robotics: Design and

Applications, p. 338-356, IGI Global (2012), DOI: 10.4018/978-1-4666-0921-5.ch017, ISBN 978 1466602915, <http://www.igi-global.com/chapter/dual-robot-control-part-handling/64672>

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14. A. Baltoiu, C. Buiu (2014). Representing Emotions as Dynamic Interactions of Symbols: A Case Study on Literary Texts, Chapter 3 in Handbook of Research on Synthesizing Human Emotion in Intelligent Systems and Robotics (Ed. J. Vallverdu), Advances in Computational Intelligence and Robotics (ACIR) Book Series, pp. 83-101, IGI Global, ISBN 1466672781, doi:10.4018/978-1-4666-7278-9.ch003, 2014
15. S. Avram, C. Buiu, C. Duda-Seiman, F. Borcan, D. Duda-Seiman, D. Mihailescu (2012). Evaluation of the pharmacological descriptors related to the induction of antimicrobial activity by using QSAR and computational mutagenesis, in Recent Trends on QSAR in the Pharmaceutical Perceptions (Ed. M. Khan), Bentham Publishers, doi: 10.2174/97816080537971120101, eISBN: 978-1-60805-379-7, ISBN: 978-1-60805-4336, 2012

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17. R. Dobrescu, M. Dobrescu, Gh. Florea, V. Purcarea (2014). 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
18. Tanase, M., Dobrescu, R. (2012). Fractal analysis of growth processes modelled by using cellular automata mixes, Chapter book, in Fractal and Complexity, ed. Przemko Waliszewski, p.24-30, 2012
19. Dobrescu, R, Florea, Gh. (2012). A unified framework for self-organizing manufacturing systems design. Book chapter in "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", 2012
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22. Henriqueta Nóvoa, Monica Drăgoicea (Eds.) 2015, Exploring Services Science, 6th International Conference, IESS 2015, Porto, Portugal, February 4-6, 2015, Proceedings Series: Lecture Notes in Business Information Processing, LNBIP 201, Springer International Publishing Switzerland, DOI: 10.1007/978-3-319-14980-6

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27. C.M. Dumitrache, I. Dumitrache (2012). Human Skin Detection Using Texture Information and Vector Processing Techniques by Neural Networks, pp. 59-77, book chapter in Advances in Intelligent Control Systems and Computer Science, Springer, 2012
28. S.I. Caramihai, I. Dumitrache (2012). Urban Traffic Monitoring and Control as a Cyber Physical Systems Approach, pp. 355-367, book chapter in Advances in Intelligent Control Systems and Computer Science, Springer, 2012

29. A. Guta, I. Dumitrache, D. McFarlane, T. Masood (2013). Rationals of Holonic Manufacturing Systems in Leather Industry, pg. 199-212, in Lecture Notes in Artificial Intelligence, Springer 2013

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32. P. Borne, D. Popescu , F.G. Filip, D. Stefanoiu (2013) . Optimisation in Engeneering Sciences . iSTE & J. Wiley, London , UK. XIV+312 pag., ISBN 9781848214323, (<http://eu.wiley.com/WileyCDA/Section/id-302479.html?query=Floria+G.+Filip>)
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34. Borangiu Th., Dolgui, A., Dumitrache I., Filip F.G. (Eds.) (2012). Proc. of 14th IFAC Symposium on Information Control Problems in Manufacturing Information Control Problems in Manufacturing, IFAC On line & Elsevier, ISBN: 978-3-902661-98-2, (http://www.ifac-papersonline.net/Information_Control_Problems_in_Manufacturing/14th_IFAC_Symposium_on_Information_Control_Problems_in_Manufacturing/index.html)

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35. Iulia Dumitru, Stéphane Ploix, Ioana Făgărășan, S. St. Iliescu (2013). Advances in Intelligent Control Systems and Computer Science/ Book chapter: Energy Efficiency Dependency Analysis for a Data Center, Ed. Springer Berlin Heidelberg, ISBN 978-3-642-32547-2; ISSN2194-5357; pp 307-321, 2013
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Anca Ioniță and Ph.D. students

38. A.D. Ionita (2013). Introduction to the Migration from Legacy Applications to Service Provisioning, chapter in tghe book "Migrating Legacy Applications: Challenges in Service-Oriented Architecture and Cloud Computing Environments", Eds. A.D. Ionita, M. Litoiu, G. Lewis, IGI Global, ISBN 978-1-4666-2488-7, 2013, DOI: 10.4018/978-1-4666-2488-7
39. A. D. Ionita, M. Mocanu (2015). Models of Organizational Change for Modernizing Pollution Warning Services, In IAENG Transactions on Engineering Sciences: Special Issue for the International Association of Engineers Conferences 2014, Edited by: Sio-long Ao, Alan Hoi-Shou Chan, Hideki Katagiri, Li Xu, World Scientific, 2015, ISBN: 978-981-4667-35-7, pp. 498-510, DOI: 10.1142/9789814667364_0037

Ion Necoară and Ph.D. students

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Dan Popescu and Ph.D. students

45. M. Nicolae, D. Popescu, R. Dobrescu, C. Mateescu (2015). Improving Communication Efficiency of hybrid UAV – WSN systems, Advances in Robot Design and Intelligent Control – Proc. of the 24th International Conference on Robotics in Alpe-Adria-Danube Region, RAAD 2015, Bucharest, Romania, 27-29 May 2015, Advances in Intelligent Systems and Computing 371, Springer, ISBN 978-3-319-21289-0, pp 407-417
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49. Popescu, D., Stamatescu, G., Maciuca, A., Strutu, M. (2015). Design and Implementation of Wireless Sensor Network Based on Multilevel Femtocells for Home Monitoring, Edited by: Duro, R; Kondratenko, Y.: Advances in Intelligent Robotics and Collaborative Automation, Book Series: River Publishers Series in Automation Control and Robotics Volume: 1 Pages: 235-255 Published: 2015, WOS:000364308800012

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