

DR.SC.ING., PROF. EGILS GINTERS: PORTFOLIO

SHORT CV

Prof. Egils Ginters is Corresponding Member of the Latvian Academy of Sciences, Senior member of Institute of Electrical and Electronics Engineers (IEEE), member of European Social Simulation Association (ESSA) and Latvian Simulation Society. He is full time professor of IT at the Faculty of Computer Science and Information Technology in Riga Technical University. He participated and/or coordinated EC funded research and academic projects: FLAG-ERA FP7/H2020 FuturICT 2.0 (2017-2020) "Large scale experiments and simulations for the second generation of FuturICT", FP7-ICT-2011-7 FUPOL No. 287119 (2011-2015) "Future Policy Modelling", FP7-ICT-2009-5 CHOREOS No. 257178 (2010-2014) " Large Scale Choreographies for the Future Internet", FP6-IST-2002-2.3.2.6 e-LOGMAR-M No.511285 (2004-2006) "Web-based and Mobile Solutions for Collaborative Work Environment with Logistics and Maritime Applications", LdV SocSimNet LV/B/F/PP-172.000 (2004-2006) "Competence Network for Introduction of Modern ICTE Technologies in Vocational Learning in Social Systems Simulation and Research", LdV LOGIS MOBILE LV/B/F/PP-172.001 (2004-2006) "Competence Framework for Mobile On-site Accelerated Vocational Training in Logistics Information Systems", FP5-IST BALTPORTS-IT (2000-2003) "Simulation and IT-Solutions: Applications in the Baltic Port Areas of the Newly Associated States", LdV LOGIS LV-PP-138.003 (2000-2002) " Long-distance tutorial network in "Logistics Information Systems" based on WEB technologies", EC INCO Copernicus DAMAC-HP PL976012 (1998-2000) "Further Development and Practical Application of Harbour Processes Managing and Controlling Models, Methods and Techniques", EC INCO Copernicus AMCAI 0312 (1994-1997) "Application of Modern Concepts in the Automated Information Management in Harbours by Using Advanced IT-Solutions". His main field of interests involves: systems simulation technologies, RFID and VR/AR technologies, sociotechnical systems simulation, and technology acceptance and sustainability assessment. He is Latvian Science Council expert in IT area. He has more than 170 scientific articles and monographies related with the research fields. Prof. Egils Ginters can communicate in English, Russian, Latvian and Spanish. He has private pilot licence PPL-SE and international certificate to operate power/sailing craft up to 24m. Leisure activities are related with tennis, golf and downhill skiing.

ACADEMIC STUDY COURSES

Leading in Sociotechnical systems modelling and simulation:

- Sociotechnical systems requirement engineering;
- Social systems simulation: system dynamics (SD) and agent-based models (ABM/MAS);
- Simulation technologies and discrete-event systems modelling (DEVS);
- Advanced logistics information systems and supply chain management (LOGIS, LSCM);
- RFID and VR/AR technologies;
- Business process modelling and simulation;
- Introduction to software engineering.

PRELIMINARY COMPETENCES

Sociotechnical systems and models. Modelling and simulation. Process mapping. Systems specifications (UML, BPMN2). Requirements design and engineering (ARIS Express etc.). Knowledge generalisation and management (MindMeister). Software engineering. Advanced logistics information

systems. Items identification and marking (bar-coding, RFID, biometrics). Items tracking (GPS, GLONAS, GALILEO). Data processing equipment, communication and mobile technologies.

Geographical information systems (GIS). Data transmission networks fundamentals. Electronic Data Interchange (EDI). Sociotechnical systems simulation. System dynamics (SD) (Stella, iThink, InSight etc.). Discrete event systems simulation (DEVS) (Extend Suite, ARENA etc.). Agent based models (ABM/MAS) (AgentSheet, NetLogo, Repast Symphony etc.). Heterogeneous distributed simulation environments (HLA). Statistical confidence of data. Statistical methods for models verification and validation (SAP, SPSS, PSPP). Non-parametric tests: Kolmogorov-Smirnov testing etc. Systems integration and projects management. Teaching and training: Learning management systems (TeachSys).

ADDITIONAL BENEFITS

- EC funded international projects preparation and management (FP7/H2020);
- International Master and PhD study programmes designing and management (Sociotechnical systems modelling);
- Systems integration and management at the edge of sciences with all the stakeholders respecting: business, academic, research and public;
- International Scopus/Thomson Reuters Web of Science journals founding and management (Elsevier: Procedia Computer Science "ICTE in Regional Development", "ICTE in Transportation and Logistics").

PUBLICATIONS

(in English)

1. Ginters, E. (1996). Linguisticware of data processing systems. Monography. Riga, "Zinatne", 71p. (in Latvian).
2. Ginters, E. (1996). Introduction to information systems designing methodology LISTechnology. Riga, "Zinatne", 76p. (in Latvian).
3. Ginters, E. (1996). Distributed information systems design in the set of typical processes. Doctoral thesis. Riga, RTU, 153p. (in Latvian).
4. Ginters, E., Merkuryev, Y., Spungis, A. (1996). Simulation of "client-server" distributed data processing systems. 10th European Simulation Multiconference, Budapest, Hungary June 2-6, 2p.
5. Ginters, E., Novitski, L., Lorenz, P., Bluemel, E., Merkuryev, Y., Tolujev, Y. (1996). Simulation and modelling at the Riga Harbour Container Terminal. International conference "Simulation, Gaming, Training and Business Process Reengineering in Operations" (September 19-21, 1996, Riga, Latvia). Ed. by Y. Merkuryev and B. Rapp. Riga, RTU, P. 47-48.
6. Ginters, E., Novitski, L., Bluemel, E., Merkuryev, Y., Toluev, J., Lorenz, P. (1996). Modelling and Simulation for Designing a Data Processing System for the Riga Harbour Container Terminal. Proceedings of the 8th European Simulation Symposium. A. Bruzzone and J.H.Kerckhoffs (ed.), Genoa, Italy, 633-637.
7. Ginters, E., Novitski, L., Bluemel, E., Merkuryev, Y., Toluev, J., Gorenz, P., Kindler, E., Slagter, D., Viktorova, E. (1997). Simulation and Modelling in Managing and Controlling of Container Harbours. Proceedings of the 11th European Simulation Multiconference. A.R.Kaylan and A. Lehmann (ed.). Istanbul, Turkey, 600-604.
8. Ginters, E., Osis, J., Merkuryev, Y., Teilans, A. (1996). Object-oriented modelling and simulation using "LATISS". In: Object-Oriented Modelling and Simulation. Proceedings of the 22nd Conference of the ASU. July 15-17, 1996, Clermont-Ferrand, France. Clermont-Ferrand, University Blaise Pascal, 137-143.
9. Ginters, E., Bluemel, E., Kindler, E., Lorenz, P., Merkuryev, Y., Novitsky, N., Pronins, J., Ritter, K.-C., Seibt, F., Schriber, T.J., Slagter, D., Tolujev, J., Viktorova, E. (1997). Managing and Controlling Growing Harbour Terminals. SCS-Europe BVBA Ghent, 308 p.

10. Ginters, E., Novitsky, L., Viktorova, E., Bluemel, E. (1998). Data Processing Systems Design. ISBN 9984-552-07-02. Riga, AMCAI, LIS. 54p.
11. Zagursky, V., Gertners, A., Ginters, E. (1998). Distributed Communication Network for Remote High-Performance Measurement Subsystems. Proceedings of the XI-th Polish National Conference "Application of Microprocessors in Automatic Control and Measurement", Warsaw, Poland, October 13–14, vol. 1, 81–85.
12. Ginters, E., Merkuryev, Y., Novicky, L., Tolujev, J., Merkuryeva, G., Viktorova, E., Bluemel, E. (1998). Simulation and Modelling in Managing the RHCT. Simulation, SCS, U.S.A., 8p.
13. Merkuryev, Y., Tolujev, J., Blümel, E., Novitsky, L., Ginters, E., Viktorova, E., Merkuryeva, G., Pronins, J. (1998). A Modelling and Simulation Methodology for Managing the Riga Harbour Container Terminal. SIMULATION: Transactions of The Society for Modeling and Simulation International 08/1998; 71:84-95.
14. Ginters, E., Viktorova, E., Novitsky, L. (1998). Technology for Insurance Information Systems Design. Proceedings of the International Workshop ICTI 98, September 10-11, Riga, 5p.
15. Zagursky, V., Ginters, E. (1999). Speech signal recovery in packet-switched communication networks. Inst. of Electron. & Comput. Sci., Latvian State University, Riga, DOI: 10.1109/AFRCON.1999.820796 Conference: Africon, 1999 IEEE, Volume 1.
16. Ginters, E., Viktorova, E., Novitsky, L. (1999). Data Processing Systems Design for Maritime Insurance. Proceedings of the International Workshop on Harbour, Maritime & Logistics Modelling and Simulation (HMS 1999), Genoa, September 16-18, 4p.
17. Ginters, E., Novitsky, L., Pronins, J. (2000). Structuring the Business Information at the Port areas. Proceedings of the 2nd International Conference "Simulation, Gaming, Training and Business Process Reengineering in Operations", Riga, September 8-9, 4p.
18. Ginters, E., Viktorova, E., Novitsky, L. (2000). Information System for Managing the Insurance Business Processes. Proceedings of the 4th Joint Conference on Knowledge-Based Software Engineering, Brno, September 12-14, 4p.
19. Ginters, E., Novitsky, L., Bluemel, E., Demyanov, I., Grecov, V., Gribkova, V., Kamperman, F., Kindler, E., Lorenz, P., Merkuryev, Y., Merkuryeva, G., Pronins, J., Ragozin, V., Schulze, T., Smits, A., Strasburger, S., Tolujev, J., Viktorova, E., Visipkov, V. (2000). Simulation and Information Systems Design: Applications in Latvian Ports. E.Bluemel and L.Novitsky (eds.). ISBN 9984-606-73-2. Publishing House JUMI Ltd., Riga, 155p.
20. Ginters, E., Merkuryev, Y., Paplavaska, E. (2001). Application of CRM technologies in developing the LOGIS project clients register. Proceedings of VI International Conference TransBaltica 2001. Riga, June 7-8, 4p.
21. Ginters, E., Bruzzone, A., Capasso, S., Merkuryev, Y., Novicky, L., Rapp, B., Sarmulis, I., Verbraeck, A., Verpakovska, I., Vucans, J. (2001). LOGIS-Long-distance tutorial network in "Logistics Information Systems", based on WEB Technologies. Proceedings of the International Workshop on "Harbour, Maritime and Multimodal Logistics Modelling & Simulation" (HMS-2001), SCS Europe, ISBN 90-77039-03-1, Marseille, France, October 15-17, 4p.
22. Ginters, E., Novitsky, L., Merkuryev, Y., Merkuryeva, G., Ragozin, V., Viktorova, E. (2001). Industrial Customisation of Maritime Simulation and Information Systems in the Latvian Port Areas. Proceedings of the 13th European Simulation Symposium "Simulation in Industry" (ESS01), Hotel Mercure Marseille-Eurocentre, SCS Europe, ISBN 90-77039-02-3, Marseille, France, October 18-20, 3p.
23. Ginters, E., Novitski, L., Merkuryev, Y. (2001). Model-Based Training Methodology in Logistics Information Systems. Proceedings of the 13th European Simulation Symposium "Simulation in Industry" ESS01, Hotel Mercure Marseille-Eurocentre, SCS Europe, ISBN 90-77039-02-3, Marseille, France, October 18-20, 5p.
24. Ginters, E., Merkuryev, Y. (2001). Long-distance Tutorial Network in Logistics Information Systems. Proceedings of the 6th Workshop "New Technologies for Logistics Education", "Chances and Challenges for Logistics Education", ISSN 1436-9109, Magdeburg, 16-17 November, 6p.
25. Ginters, E., Survilo, A. (2002). LOGIS Customer Register Design and Dissemination of Results. Proceedings of the VII International Conference "TransBaltica 2002", ISBN 9984-9954-4-3, Riga, SAS Radisson Daugava (Latvia), June 14-15, 3p.
26. Ginters, E., Bruzzone, A., Gutmanis, A., Rapp, B., Verbraeck, A., Neumann, G., Bluemel, E., Capasso, S., Merkuryev, Y., Sarmulis, I., Vucans, J., Baerug, R. (2002). LOGIS Project – Network for Knowledge Consolidation and Training in Logistics Information Systems.

- Proceedings of the VII International Conference “TransBaltica 2002”, ISBN 9984-9954-4-3, Riga, SAS Radisson Daugava (Latvia), June 14-15, 8p.
27. Bruzzone, A., Verbraeck, A., Ginters, E., et al. (2002). Logistics Information Systems, Part 1-2, Jumi, ISBN 9984-30-021-8, Riga, 682 p.
 28. Ginters, E., Gutmanis, A., Merkurjev, Y., Novicky, L., Rapp, B., Sarmulis, I., Vucans, J. (2001). LOGIS – The Next Step of a European Projects Network Aimed to Preparation of a Study Course in “Logistics Information Systems”. CONSA Conference at Linköping University “From Strategy to Operations from Production and Logistics”, ISSN 1404-2738, Linköping (Sweden), June 18-19, 3p.
 29. Ginters, E., Merkurjev, Y., Novitsky, L., Bluemel, E., Strauhmanis, J. (2002). Layout Visualisation of Technological Contours of Harbour Management Systems. In: Belgian Journal of Operations Research, Statistics and Computer Science (JORBEL), Special Issue: Or Models in a Harbour and Maritime Environment, Volume 40 (3-4), ISSN 070-0512, 6p.
 30. Ginters, E., Novitski, L., Merkurjev, Y., Bluemel, E., Viktorova, E., Gribkova, V. (2002). The Baltports-IT project: Applications of simulation and IT-solutions in the Baltic port areas. Proceedings of the IASTED International Conference “Applied Simulation and Modelling”, June 25-28, ACTA press, Crete, Greece, 258-261.
 31. Ginters, E., Novitski, L., Merkurjev, Y., Praniavicius, H. (2002). The Baltports-IT Project: Applications of Simulation Models and Information Systems in Maritime Sector of the Baltic States. Proceedings of the International Workshops on “Harbour, Maritime and Multimodal Logistics Modelling & Simulation” (HMS 2002), “Modelling & Applied Simulation” (MAS 2002), ISBN 88-900732-9-2, October 3-5, Bergeggi, Italy, 5p.
 32. Ginters, E., Gutmanis, A., Merkurjev, Y., Novicky, L., Cakula, S. (2002). LOGIS II – Competence Framework of Reference in Logistics Information Systems for Knowledge Dissemination. Proceedings of the International Conference “Lifelong Learning – a Challenge for All”, ISBN 9984-18-008-5, Riga, Latvia, 8-9 November, 3p.
 33. Novitski, L., Merkurjev, Y., Bluemel, E., Viktorova, E., Gribkova, V., Ginters, E. (2002). The Baltports-IT Project: Applications of Simulation and IT Solutions in The Baltic Port Areas. Scientific Proceedings of Riga Technical University, Computer Science, Information Technology and Management Science, vol.10, ISSN 1407-7493, RTU, Riga.
 34. Novitski, L., Ginters, E., Merkurjev, Y. (2003). Baltic Regional Competence centre in the field of logistics, IT-solutions and simulation with maritime applications, Proceedings of the International Workshop TELEBALT "IST 6th Framework Programme - new challenge for Baltic States", April 2003, Riga, Latvia.
 35. Ginters, E. (2003). LOGIS project – Training in Logistics Information Systems, Proceedings of the International Workshop TELEBALT "IST 6th Framework Programme - new challenge for Baltic States", April 2003, Riga, Latvia.
 36. Bluemel, E., Novitski, L., Merkurjev, Y., Ginters, E., Pranevicius, H. (2002). The BALTPORTS-IT Project: Applications of IT-Solutions and Simulation in the Baltic Port Areas of the Newly Associated States. Challenges and Achievements in E-business and E-work, Praha, Part 1, IOS Press, 349-355.
 37. Ginters, E., Novitsky, L. (2003). Some aspects in Social Systems Simulation. Proceedings of the International Conference “Modelling and Simulation of Business Systems”, H.Pranevicius, E.Zvadskas and B.Rapp (eds.), May 13-14, Vilnius, 177-179.
 38. Cakula, S., Ginters, E. (2003). Personality development in modern information world. Young scientists conference III, ISBN 9984-9676-1-1, LAS Baltic center of strategic research. 17 April, 2003, Riga, 73-78. (in Latvian).
 39. Ginters, E., Strujevichs, L. (2003). Using of LISTechnology for business process analysis at transshipment company JSC Ventamonjaks, Proceedings of International Conference HMS 2003, ISBN 9984-32-547-4, Riga, September 8-20, 351-356.
 40. Ginters, E., Krecere, L. (2003). LOGIS Network for Knowledge Dissemination in Logistics Information Systems, HMS 2003, ISBN 9984-32-547-4, Riga, September 8-20, 2003, 251-255.
 41. Bluemel, E., Novitski, L., Merkurjev, Y., Ginters, E. (2002). Simulation And IT-Solutions: Applications In The Baltic Port Areas Of The Newly Associated States. Port Technology International, Edition 16, ISSN 1358-1759, London.
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43. Bluemel, E., Novitsky, L., Vinichenko, S., Ginters, E. (2004). Web-based and Mobile Solutions for Collaborative Work Environment with Logistics and Maritime Applications, HMS 2004 & AMS 2004, ISBN 85-89459-04-7, September 16-18, Rio de Janeiro, Brazil, 173-177.
44. Ginters, E., Merkuryev, Y., Novitski, L., Amborski, K., Strujevichs, L. (2005). ICTE Achievements for VET Methods Development, VIII International Conference "TransBaltica 2005", ISBN 9984-9725-9-3, Riga, 287-291.
45. Ginters, E., Merkuryev, Y., Novitski, L., Amborski, K., Strujevichs, L. (2005). ICTE Achievements for VET Methods Development, VIII International Conference "IVETTA", ISBN 9984-9820-0-9, Riga, 24-25 February 2005, Radisson SAS, 117-129.
46. Balins, O., Ginters, E. (2005). Simulation as a Cognitive Method in the Research of Social Systems, 6th International Conference on Baltic Studies in Europe, Annual Proceedings of Vidzeme University College "ICTE in Regional Development", ISBN 9984-633-01-2, Valmiera, 17-19 June, 94-99.
47. Novitsky, L., Bluemel, E., Ginters, E. (2005). eLOGMAR-M Project: Applications of the Advanced IT and Mobile Solutions in Transport Logistics, Proceedings of International Workshop "IST 6th Framework Programme – Great Opportunity for Cooperation and Collaboration", ISBN 9984-32-178-9, Riga, April 6-7, 66-70.
48. Ginters, E., Guasch, A., Novitsky, L., Trezina, I. (2005). e-Learning Methods Development for Training in Logistics Information Systems, Proceedings of International Workshop "IST 6th Framework Programme – Great Opportunity for Cooperation and Collaboration", ISBN 9984-32-178-9, Riga, April 6-7, 77-83.
49. Bluemel, E., Babot, J., Novickis, L., Bardachenko, V., Grundspenkis, J., Ginters, E., et al. (2003). Applications of Simulation and IT solutions in the Baltic Port Areas of the Associated Candidate Countries. E.Bluemel (ed.). ISBN 9984-30-057-9, Jumi Ltd, June 2003. 317 P.
50. Amborski, K., Ginters, E. (2006). Application of mobile phones in m-training in logistics. S.M.Furnell and P.S.Dowland (eds.). In Proceedings of the 6th International Network Conference, INC 2006, University of Plymouth, UK, 11-14 July, ISBN 1-84102-157-1.
51. Novitsky, L., Bluemel, E., Ginters, E., Jurenoks, A. (2006). eLOGMAR-M Project: IT and Mobile Solutions with Transport Logistics and Maritime Applications. IST4BALT News Journal, ISSN 1816-8701, Vol.2, September 2005 – August 2006, 28-30.
52. Ginters, E., Soshko, O., Merkuryev, Y. (2006). The Development of Mobile On-site Training in Logistics Information Systems. IST4BALT News Journal, ISSN 1816-8701, Vol.2, September 2005 – August 2006, 35-39.
53. Ginters, E. (2006). Competence Framework for Mobile On-Site Accelerated Training and Consultation on Logistics Information Systems. In Scientific Proceedings of the Project eLOGMAR-M "IT&T Solutions in Logistics and Maritime Applications", ISBN 9984-30-119-2, Riga: Jumi, September 2006, 65-75.
54. Andrusaitis, J., Ginters, E., Silins, A. (2006). Agent-based microsimulation models for services planning in Ligate nature trails. In Proceedings „Economic, social and cultural aspects in biodiversity conservation” . O. Opermanis and G. Whitelaw (eds.), ISBN 978-9984825-32-8, Press of the University of Latvia, 11-19.
55. Ginters, E., Silins, A. (2006). Modelling tools for environmental systems analysis in the Gauja National Park. Proceedings of 6th WSEAS International Conference on Applied Computer Science (ACS'06), ISSN 1790-5117, ISBN 960-8457-57-2, Tenerife, Puerto de la Cruz, Spain, December 16-18, 194-198.
56. Paulauskas V., Ginters E. (2006). Investigations on limited visibility of the GPS satellites Transpor Means 2006. Proceedings of the 10th international conference. ISSN 1822-296X. Kaunas, Technologija, 200-203.
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58. Amborski, K., Bluemel, E., Gervais, M., Ginters, E., Guasch, A., Liberts, G., Matzner, K., Merkuryev, Y., Neumann, G., Novitsky, L., Paulauskas, V., Piera, M.A., Strujevichs, L., Sokolovskis, I. (2006). Logistics Information Systems. Dictionary. English. German. French. Spanish. E.Ginters (ed.), ISBN 9984-633-02-0, Valmiera, Sociotechnical Systems Engineering Institute, 1115.

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68. Ginters, E., Cirulis, A., Akishin, V. (2007). Virtual environment use in e-learning. In Proceedings of the WSEAS International Conferences: 5th WSEAS Inte.Conf. on Environment, Ecosystems and Development, 3rd WSEAS International Conference on Applied and Theoretical Mechanics, 6th WSEAS International Conference on E-Activities, 6th WSEAS International Conference on Information Security and Privacy, 6th WSEAS International Conference on Computational Intelligence, Man-machine Systems and Cybernetics, 5th WSEAS International Conference on Applied Electromagnetic, Wireless and Optical Communications. M.N.Katehakis et al (eds.). ISBN 978-960-6766-25-1, Puerto de la Cruz, Tenerife, Spain, 14-16 December, (reprint).
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3. Reviewer of *Heliyon* (2017) welcomes research across all disciplines. Any paper reporting original and technically sound results of primary research, which adheres to accepted ethical and scientific publishing standards, will be published regardless of its perceived impact. Published by Elsevier. Journal Metrics: CiteScore: 0.55, Source Normalized Impact per Paper (SNIP): 0.423, SCImago Journal Rank (SJR): 0.173.
4. Reviewer of *Symmetry* (ISSN 2073-8994; CODEN: SYMMAM) (2017) - an international, open access journal covering research on symmetry phenomena wherever they occur in mathematical and scientific studies. *Symmetry* is published monthly online by MDPI. Impact Factor: 1.457 (2016) ; 5-Year Impact Factor: 1.323 (2016).
5. Reviewer of *JRSE Journal of Renewable and Sustainable Energy* (JRSE) (2017). Issue is an interdisciplinary, peer-reviewed journal covering all areas of renewable and sustainable energy relevant to the physical science and engineering communities. The interdisciplinary approach of the publication ensures that the editors draw from researchers worldwide in a diverse range of fields. ISSN: 1941-7012. Five-Year Impact Factor 1.276 (2016 *Journal Citation Reports*[®] *Science Edition* (Clarivate Analytics, 2017)).
6. *ICTE 2016*, December 2016, Riga, Riga Technical University, Latvia. Eds. Ginters, E., Y. Kohlhammer, M. *Procedia Computer Science*, Elsevier, ISSN: 1877-0509, Volume 104, 1-598.
7. Reviewer of *EURASIA Journal of Mathematics, Science and Technology Education* (2016, 2017) published monthly by iSER Publications. Journal is an Open Access Journal. ISSN: 1305-8223 (electronic) 1305-8215 (print). 2014 Impact Factor 1.016. Ranking: 76/224 (Education & Educational Research). © 2015 Thomson Reuters, 2014 *Journal Citation Reports*.
8. Reviewer of International journal "*Information Sciences*" (Informatics and Computer Science Intelligent Systems Applications) (2015). Editor: W. Pedrycz, ISSN: 0020-0255, Elsevier, SCImago Journal Rank (SJR): 3.286, Impact Factor: 4.038, 5-Year Impact Factor: 4.221
9. *ICTE in Regional Development*, December 2015, Valmiera, Latvia. Eds. Ginters, E., Schumann, M. *Procedia Computer Science*, Elsevier, ISSN: 1877-0509, Volume 77, 1-248.
10. 2015 International Conference Virtual and Augmented Reality in Education VARE 2015. Eds. Mendivil, E-G., Ramírez Flores, P-G., Gutiérrez, J-M., Ginters, E. *Procedia Computer Science*, Elsevier, ISSN: 1877-0509, Volume 75, 1-416.
11. Reviewer of International journal "*Computer & Education*" (2015). Editors: C-C. Tsai, R.S. Heller, M. Nussbaum, P. Twining, ISSN: 0360-1315, Elsevier, SCImago Journal Rank (SJR): 2.578, Impact Factor: 2.556, 5-Year Impact Factor: 3.227. Journal aims to increase knowledge and understanding of ways in which digital technology can enhance education, through the publication of high quality research, which extends theory and practice
12. Reviewer of *Journal Computational and Mathematical Organization Theory* (2015). Co-Editors-in-Chief: K.M. Carley; T.L. Frantz. ISSN: 1381-298X (print version), ISSN: 1572-9346 (electronic version). Springer. *Computational & Mathematical Organization Theory* has been accepted for Social Sciences Citation Index, Science Citation Index

- Expanded, and Current Contents/Social & Behavioral Sciences, and will first appear with an Impact Factor in the Journal Citation Reports 2010, published in 2011.
13. Reviewer of *Journal Mathematical Problems in Engineering* (2015). Editor-in-Chief: Anna M. Gil-Lafuente. ISSN: 1024-123X (Print), ISSN: 1563-5147 (Online), DOI: 10.1155/2629. Hindawi Publishing Corporation. *Mathematical Problems in Engineering* is a peer-reviewed, open access journal that publishes results of rigorous engineering research carried out using mathematical tools. The most recent Impact Factor for *Mathematical Problems in Engineering* is 0.762 according to 2014 Journal Citation Reports released by Thomson Reuters in 2015.
 14. ICTE in Regional Development, December 2014, Valmiera, Latvia. Eds. Ginters, E., Schumann, M. *Procedia Computer Science*, Elsevier, ISSN: 1877-0509, Volume 43, 1-154.
 15. Information Technologies and Tools for Space-Ground Monitoring of natural and Technological Objects. (2014). Collective Monograph. Merkurjev, M., Merkurjeva, G., Sokolov, B., Zelentsov, V. (eds.). Longo, F., Ginters, E. (reviewers). ISBN 978-9934-10-606-4. RTU Press. 110.
 16. ICTE in Regional Development, December 2013, Valmiera, Latvia. Eds. Bluemel, E., Ginters, E. *Procedia Computer Science*, Elsevier, ISSN: 1877-0509, Volume 26, 1-142.
 17. Proceedings of 2nd International Conference on Virtual and Augmented Reality in Education (VARE2013). Gutierrez, J.-M., Ginters, E. (eds.). *Procedia Computer Science*, Elsevier, ISSN: 1877-0509, Volume 25, 1-448.
 18. Abstract Book of 2nd International Conference “VR/AR in Education” (VARE 2013), Puerto de La Cruz, Tenerife, Nov 7-8, 2013, ISBN 978-9934-8271-1-2.
 19. International Annual Proceedings „ICTE in Regional Development 2009/2010”. Ginters, E., Bluemel, E. (eds.). ISBN 9984-633-20-6, Valmiera, Vidzeme University of Applied Sciences, Sociotechnical systems engineering institute, 2011, 90 pp.
 20. Proceedings of 1st International Conference Virtual and Augmented Reality in Education (VARE2011). Ginters, E., Bluemel, E. (eds.). 18 March 2011, Valmiera, Latvia, ISBN 978-9984-633-18-3, 2011, 150 pp.
 21. International Annual Proceedings „ICTE in Regional Development 2008”. Ginters, E., Bluemel, E. (eds.). ISBN 9984-633-13-6, Valmiera, Vidzeme University of Applied Sciences, Sociotechnical systems engineering institute, 2008, 121 pp.
 22. Lekturers, A., Merkurjevs, J., Romanovs, A. Elektroniskā komercija. Mācību līdzeklis. RTU DITF ITI, ISBN 978-9984-798-58-5, 2008.
 23. Merkurjevs, J., Merkurjeva, G., Pečerska, J., Tolujevs, J. Sistēmu imitācijas modelēšanas tehnoloģija. Mācību līdzeklis. RTU DITF ITI, ISBN 978-9984-798-53-0, 2008.
 24. International Journal of Trade and Global Markets. ISSN 1742-7541, Vol.1, No.1, 2007.
 25. Scientific Journals International. ISSN 1556-6757, 2007. (Member of International Advisory and Review Board)
 26. International Annual Proceedings „ICTE in Regional Development 2007”. Ginters, E., Bluemel, E. (eds.). ISBN 9984-633-10-1, Valmiera, Vidzeme University of Applied Sciences, Sociotechnical systems engineering institute, 2007, 121 pp.
 27. International Annual Proceedings „ICTE in Regional Development 2006”. Ginters, E., Bluemel, E. (eds.). ISBN 9984-633-03-9, Valmiera, Vidzeme University College, Sociotechnical systems engineering institute, 2006, 130 pp.
 28. International Annual Proceedings „ICTE in Regional Development 2005”. Ginters, E., Bluemel, E. (eds.). ISBN 9984-633-01-2, Valmiera, Vidzeme University College, 2005, 152 pp.

REVIEWING

1. Imants Zarembo (2017). " METHODOLOGY FOR SIMILARITY ASSESSMENT OF CONCEPTUAL AND RELATIONAL DATA MODELS ". Dr.sc.ing. in Information technologies. Rezekne Academy of Technologies, 2017.
2. Ivo Odītis (2016). "Business Process Implementation Time Verifications". PhD in Computer Science. University of Latvia, 2016.
3. Jenaro Nosedal Sanchez (2016). SINCRONIZACION DE DESPEGUES DE AERONAVES PARA REDUCIR LAS INTERVENCIONES DE CONTROL DE TRAFICO AEREO EN

RUTA. AIRCRAFT DEPARTURE SYNCHRONIZATION TO REDUCE ATC ENROUTE INTERVENTIONS. Universitat Autònoma de Barcelona. 2016.

4. Emiliano Pastorelli (2015). "Analysis and 3D Visualisation of Microstructured Materials on Custom-Built Virtual Reality Environment". Phd in Information Technologies and Systems Engineering. C102 Institute of Cybernetics at Tallinn University of Technology.
5. Elena Yurshevich (2013). "Methodology of decision-making support based on urban transportation system microscopic models repositories". Dr.sc.ing. in Transport and Communications. Scientific. Subarea Telematics and Logistics. Transport and Telecommunications Institute, Riga.
6. Ginta Stale (2013). "Information Technology Ecosystem Model for Support of Continuing Education". Dr.sc.ing. in Information Technology. Subarea E-learning Technologies and Management. Riga Technical University.
7. Mihails Savrasovs (2013). "Development of new approach for simulation and analysis of traffic flows on mesoscopic level". Dr.sc.ing. in Transport and Communications. Scientific. Subarea Telematics and Logistics. Transport and Telecommunications Institute, Riga.
5. Miguel Antonio Mújica Mota (2011). "State Space Quantitative Analysis of Timed Coloured Petri Nets for Scheduling Improvements". PhD in Information technology. Universidad Autonoma de Barcelona, Spain.
6. Iván Castilla Rodríguez (2010). "Explotación de los Sistemas Multi-Núcleo para la Simulación Paralela de Eventos Discretos con Java. Ejemplo de Aplicación en un Modelo Orientado al Proceso de un Centro Hospitalario.". PhD in Information Technology. Universidad de La Laguna, Spain.
7. Tatjana Rikure (2009). "Development of learner psychophysiological model based adaptive tutoring systems". Dr.sc.ing. in Information Technology. Riga Technical University.
8. Andrejs Solomenikovs (2007). "Simulation Modelling and Research of Marine Container Terminal Logistics Chains. Case study of Baltic Container Terminal". Dr.sc.ing. in Transport and Communications. Scientific. Subarea Telematics and Logistics. Transport and Telecommunications Institute, Riga.

LECTURING

1. Lectures on Sociotechnical Systems Simulation. Universidad de La Laguna, Tenerife, Spain, April 17-24, 2018.
2. Lectures on "Urban policy sustainability assessment and simulation". Department of Telecommunications and Engineering of the Systems, Universitat Autònoma de Barcelona (UAB), Spain, Catalonia, 7-9 December, 2015.
3. Lectures on VR use in E-learning and directions of cooperation. Fraunhofer Institute for Factory Operation and Automation, Magdeburg, Germany, August 16-21, 2010.
4. Lectures on Systems Simulation Practice. Warsaw University of Technology, Poland, September 24-26, 2009.
5. Lectures on Social Systems Simulation. Universidad de La Laguna, Tenerife, Spain, December 17-21, 2007.

LEADING IN CONFERENCES AND SESSIONS

1. Program Committee and Session leader in the conference WorldCIST 2019, 16-19 April, La Toja, Spain, 2019
2. Co-chair in the conference VARE 2018 17-19 September, Budapest, Hungary.
3. Session leader in the conference World CIST 2018, March 27-29, Naples, Italy, 2018
4. Session leader in the conference WorldCIST 2017, April 11-13, Porto Santo Island, Madeira, Portugal, 2017
5. Co-Chair of "Intelligent Educational Systems, Technology-enhanced Learning and Technology Transfer Models (INTEL-EDU 2016)" workshop under 15th International Conference "Perspectives in Business Informatics Research (BIR 2016)", Prague, 14-16 September, 2016

6. Co-Chair of 3rd International Conference “VR/AR in Education” (VARE 2015), Monterrey, Mexico, November 19-21, 2015.
7. Session leader in IKM, OMIS & SSAT at the conference WorldCIST 2015, April 1-3, Azores, Portugal, 2015.
8. Co-Chair of 2nd International Conference “VR/AR in Education” (VARE 2013), Puerto de La Cruz, Tenerife, Nov 7-8, 2013.
9. Member of Program Committee and Reviewer in 2nd International Workshop on Intelligent Educational Systems and Technology-enhanced Learning (INTEL-EDU 2011), October 6, 2011 at the 10th International Conference on Perspectives in Business Informatics Research, to be held in Riga, Latvia, from October 6 to 8, 2011.
10. Session leader in the 13th WSEAS International Conference on AUTOMATIC CONTROL, MODELLING & SIMULATION (ACMOS '11), May 27-29, 2011, Lanzarote, Canary Islands, Spain.
11. Member of International Program Committee and Session Chairman of Annual International Conference on Virtual and Augmented Reality in Education, Valmiera, Vidzeme University of Applied Sciences, 18 March 2011.
12. Session Chairman of “Engineering International” in Conference on Modelling and Simulation in Engineering, Economics and Management (MS'10), Barcelona, 15-17 July 2010.
13. Session Chairman of “Advanced E-Learning and New Architectures” in The 4th WSEAS/IASME International Conference on EDUCATIONAL TECHNOLOGIES (EDUTE'08), Corfu, Greece, October 26-28, 2008.
14. Member of Program Committee and Session Chairman: in 6th WSEAS International Conference on Systems Science and Simulation in Engineering, Venice, Italy, 21-23 November, 2007.
15. Member of Program Committee 6th International Baltic Studies Conference, Valmiera, Latvia, June 16-19, 2005.
16. Member of International Program Committee International Workshop on harbour maritime and Multimodal Logistics Modeling & Simulation, HMS 2005, Marseille, France, October 20-22, 2005.
17. Member of International Program Committee International Workshop on harbour maritime and Multimodal Logistics Modeling & Simulation, Applied Modeling and Simulation, HMS 2004, Rio de Janeiro, Brazil, September 16-18, 2004.

SUPERVISOR

1. Dace Aizstrauta. Integrated Technology Acceptance and Sustainability Assessment Model. Vidzeme University of Applied Sciences. Promotional Dr.sc.ing./Dr.Comp.Sc. thesis. 2019.
2. Arnis Cirulis. Use of Virtual Reality to Improve Training of Technological Process Control. Latvia University of Agriculture. Promotional Dr.sc.ing. thesis. 2012.
3. Ilze Arniece. Modelling of the parking lot capacity in the Skaņākalna park. Master thesis. 2008.
4. Zigmars Francis. Software user support process modeling. Master thesis. 2008.
5. Martins Gailitis. Recommendations for developing and improving document workflow infrastructures within Latvian joint-stock company “Valsts nekustamie īpašumi”. Master thesis. 2008.
6. Gunars Grundstoks. Possibilities of application of RFID technologies in the sphere of log-house manufacturing. Master thesis. 2008.
7. Janis Kleinbergs. Selection of development tools for the information system of company VAR-C. Master thesis. 2008.
8. Edgars Kursitis. Information technology solutions for creation of the content of Web pages. Master thesis. 2008.
9. Ieva Lauberte. An agent-based modelling tool analysis. Master thesis. 2008.
10. Valdis Pornieks. RFID usage and data security in logistics. Master thesis. 2008.
11. Liga Zarina. Data modelling for developing geographic information system in domain of daily road maintenance. Master thesis. 2008.
12. Maris Auzins. Ready products warehouse movement in manufacturing enterprise. Master thesis. 2009.

13. Silvija Bogdanova. The analysis of basic processes of work of Land Register departments. Master thesis. 2009.
14. Girts Dreija. An evolutionary model of the Latvian Blogosphere. Master thesis. 2009.
15. Sandra Kauce. Analysis delivery processes in SIA „Tirdzniecibas nams „Kurši””. Master thesis. 2009.
16. Edgars Martinsons. Modelling of work enquiry processing and execution of Vidzeme University College, Division of Information Technologies. Master thesis. 2009.
17. Inguna Sare. Simulation of labour loading in credit institution. Master thesis. 2009.
18. Artis Silins. Distributed simulation infrastructure comparison and analysis. Master thesis. 2009.
19. Juta Steinerte. Imitation modelling of transport routes in inconsistent impetus conditions. Master thesis. 2009.
20. Valters Sverns. Activity-based costing in company "Valmiera glass fibre". Master thesis. 2009.
21. Jana Snepste. Modelling of business processes for implementation of **quality management systems** in nongovernmental organization „AIESEC Latvia”. Master thesis. 2010.
22. Dace Ose. RFID use in patient identification systems. Master thesis. 2010.
23. Evita Lantrate. Simulation of customer service process in Valmiera integrated library. Master thesis. 2010.
24. Zane Barkane. Simulation methods in evolution of technology sustainable development. Master thesis. 2011.
25. Kristaps Brigmanis-Brigis. Usage of virtual reality elements in e-learning systems. Master thesis. 2011.
26. Baiba Udrase. Evaluation of efforts to reduce queues at the doctors specialists offices providing state-paid health service at Vidzeme’s hospital. Master thesis. 2011.
27. Liga Abola. Analysis of Unified Theory of Acceptance and Use of Technology. Master thesis. 2012.
28. Kristine Brice. Simulation of determination temperament and perception type. Master thesis. 2012.
29. Elina Dreimane. Multilevel simulation of political decision evaluation. Master thesis. 2012.
30. Martins Kans. RFID – the modeling of solutions physical structure choice justification. Master thesis. 2012.
31. Toms Krilovs. Sound-making model for augmented reality library. Master thesis. 2012.
32. Inguna Jurgelane. Water Services Tariff Calculation Simulation Model Development. Master thesis. 2014.
33. Mikelis Majors. Household Economic Activities Modeling. Master thesis. 2014.
34. Normunds Mihailovs. Tourism sustainability simulation: Cesis Castle. Master thesis. 2014.
35. Aiga Volksons. Knowledge management process simulation in organizations of creative industry. Master thesis. 2014.
36. Vita Colija-Stillion. User Experience approach in developing socio-technical systems. Master thesis. 2016.
37. Mikus Jekabsons. Social network`s effectiveness on deputy candidates electability in Vidzeme election region in 2011 government elections. Master thesis. 2016.
38. Kristine Legzdina. Step towards Alternative child care: Child care deinstitutionalization components analysis and future prospects in Vidzeme region. Master thesis. 2016.
39. Lelde Leimane. Changes in Numbers of 1st, 7th and 10th Year Students in Public Schools in Vidzeme Region during 2015-2030. Master thesis. 2016.
40. Marcis Mednis. Imitation and modeling of online poker statistical analysis software functionality. Master thesis. 2016.
41. Rolands Bruģis. Risk analysis methods in use of RFID. Riga Technical University. Master thesis. 2017.
42. Midhun Karatte Bharathan. Impact of Digitization in the Field of Supply Chain Management and Logistics in India. Riga Technical University. Master thesis. 2019.
43. Dany Davis. City Logistics in India. Riga Technical University. Master thesis. 2019.
44. Raitis Saripo. Augmented Reality Applications in the Field of Logistics. Riga Technical University. Master thesis. 2019.

PROMOTIONAL COUNCILS

1. Rezekne Academy of Technologies and Vidzeme University of Applied Sciences. Dr.sc.ing. council "Information Technologies". Chairman. 2016, 2017, 2018, 2019
2. Riga Technical University. Dr.sc.ing. council P-21 "Information Technologies" (E-studies Technologies and Management). 2016, 2017, 2018, 2019

Prof., Dr.sc.ing. Egils Ginters

25 July 2019