

# Maria Ganzha

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## *Home Address*

ul. 3-go Maja 2/24  
82-300, Elbląg, Poland

## *Education*

- 2013 D.Sc. – “Software agent as a resource managers in the Grid”,  
Systems Research Institute Polish Academy of Sciences
- 1994 Ph.D. – “Asymptotic expansion of solution of singular perturbed mixed problems for wave equation,” Moscow State University  
*Supervisor:* B.R. Vainberg
- 1991 Training in Moscow State University, Department of Numerical Mathematics and Cybernetics  
*Concentration:* Database, Artificial Intelligence, Operation System, Mathematical Informatics
- 1987 – 1991 Postgraduate work in Moscow State University, Department of Mathematics and Mechanics, Chair of Differential Equation  
*Concentration:* Mathematical Physics, Integral geometry, Preparation of Ph.D. Thesis.
- 1983 – 1987 Moscow State University, Department of Mathematics and Mechanics, MS  
*Masters Thesis:* Problem of waves dispersing on sounding-board weakly interacting with environment  
*Supervisor:* Professor B.R.Vainberg
- 1981 – 1983 Krasnoyarsk State University, Mathematical Department.  
*Concentration:* Complex analysis

## *Employment*

- 2015 – ... Faculty of Mathenetics and Information Science, Warsaw University of Technology, Associate Professor
- 2009 – 2015 Institute of Informatics, University of Gdańsk, Associate Professor
- 2013 – ... System Research Institute Polish Academy of Sciences, Associate Professor
- 2006 – 20013 Systems Research Institute, Polish Academy of Science, Warsaw, Poland, Senior Researcher
- 2005 – 2012 Elbląg University of Humanities and Economy, Elbląg, Poland, Assistant Professor
- 2007 – 2009 Warmia and Mazury University, Olsztyn, Poland, Visiting Assistant Professor
- 2001 – 2005 Private Higher Educational Institute in Giżycko, Poland, Associate Professor of Computer Science
- 1997 – 2003 State University of Brest, Brest, Belarus, Mathematical Department, Chair of Informatics, Assistant Professor
- 1995 – 1997 State University of Brest, Brest, Belarus, Mathematical Department, Chair of Algebra and Geometry, Assistant Professor
- 1994 – 1995 Krasnoyarsk State Pedagogical University, Krasnoyarsk, Russia, Department of Physics and Mathematics, Chair of Informatics, Senior Lecturer
- 1991-1994 Krasnoyarsk State Pedagogical University, Krasnoyarsk, Russia, Department of Physics and Mathematics, Chair of Informatics, Assistant Lecturer

### ***Edited Volumes***

1. Maria Ganzha, Leszek Maciaszek, Marcin Paprzycki, *Proceedings of the 2015 Federated Conference on Computer Science and Information Systems*, IEEE CS Press, Los Alamitos, CA, 2015
2. Maria Ganzha, Leszek Maciaszek, Marcin Paprzycki, *Position Papers of the 2015 Federated Conference on Computer Science and Information Systems*, Annals of Computer Science and Information Systems, Vol. 5, PIPS Press, Warsaw, 2015
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4. Maria Ganzha, Leszek Maciaszek, Marcin Paprzycki, *Position Papers of the 2014 Federated Conference on Computer Science and Information Systems*, Annals of Computer Science and Information Systems, Vol. 3, PIPS Press, Warsaw, 2014
5. Maria Ganzha, Leszek Maciaszek, Marcin Paprzycki, *Proceedings of the 2014 Federated Conference on Computer Science and Information Systems*, IEEE CS Press, Los Alamitos, CA, 2014
6. Maria Ganzha, Lakhmi C. Jain, *Multiagent Systems and Applications, Volume 1: Practice and Experience*, Springer PG, 2013
7. Maria Ganzha, Leszek Maciaszek, Marcin Paprzycki, *Position Papers of the 2013 Federated Conference on Computer Science and Information Systems*, Annals of Computer Science and Information Systems, Vol. 1, PIPS Press, Warsaw, 2013
8. Maria Ganzha, Leszek Maciaszek, Marcin Paprzycki, *Proceedings of the 2013 Federated Conference on Computer Science and Information Systems*, IEEE CS Press, Los Alamitos, CA, 2013
9. Mohammad Essaaidi, Maria Ganzha, Marcin Paprzycki „Software Agents, Agent Systems and Their Applications”, IOS Press, 2012
10. Maria Ganzha, Leszek Maciaszek, Marcin Paprzycki, *Proceedings of the 2012 Federated Conference on Computer Science and Information Systems*, IEEE CS Press, Los Alamitos, CA, 2012
11. Maria Ganzha, Leszek Maciaszek, Marcin Paprzycki, *Proceedings of the 2011 Federated Conference on Computer Science and Information Systems*, IEEE CS Press, Los Alamitos, CA, 2011
12. Maria Ganzha, Marcin Paprzycki, *Proceedings of the 2010 International Multiconference on Computer Science and Information Technology*, IEEE CS Press, Los Alamitos, CA, 2010
13. Maria Ganzha, Marcin Paprzycki, *Proceedings of the 2009 International Multiconference on Computer Science and Information Technology*, IEEE CS Press, Los Alamitos, CA, 2009
14. Maria Ganzha, Marcin Paprzycki, Tomasz Pelech-Pilichowski, *Proceedings of the 2008 International Multiconference on Computer Science and Information Technology*, IEEE CS Press, Los Alamitos, CA, 2008
15. Stanisław Stanek, Henryk Sroka, Marcin Paprzycki, Maria Ganzha, *Development of Multi-Agent Systems in Socio-Economic Environments* (in Polish), Placet, Warsaw, Poland, 2008
16. Maria Ganzha, Marcin Paprzycki, Tomasz Pelech-Pilichowski, *Proceedings of the 2007 International Multiconference on Computer Science and Information Technology*, PTI Press, Katowice, Poland, 2007
17. Maria Ganzha, Marcin Paprzycki, Tomasz Pelech-Pilichowski, Jacek Wachowicz, Krzysztof Węcel, *Proceedings of the 2006 International Multiconference on Computer Science and Information Technology*, PTI Press, Katowice, Poland, 2006
18. Maria Ganzha, Marcin Paprzycki, Jacek Wachowicz, Krzysztof Węcel, *Proceedings of the Scientific Session organized during XXI Fall Meeting of the Polish Information Processing Society*, Annales UMCS Sectio AI Informatica, vol. IV, 2006

### ***Edited Journal Issues***

1. M. Ganzha, M. Paprzycki, *Agent-Oriented Computing for Distributed Systems and Networks*, *Journal of Network and Computer Applications*, Vol. 37, January, 2014
2. M. Ganzha, A. Omicini, M. Paprzycki, *Software Agents – Twenty Years & Counting*, *IEEE Computing Now*, November, 2013

3. Giacomo Cabri, Maria Ganzha, „Agent-oriented design methods and programming techniques for distributed computing in dynamic and complex environments, *Science of Computer Programming*, Available online 6 February 2012, ISSN 0167-6423 , 10.1016/j.scico.2012.01.001
4. Maria Ganzha, Marcin Paprzycki, *Advances in Agent-based Computing*, International Journal of Intelligent Information and Database Systems, Vol. 3, No. 4, 2009
5. Costin Badica, Maria Ganzha, Marcin Paprzycki, *Intelligent Systems*, Informatica, Vol. 32, No.4, 2008
6. Maria Ganzha, Marcin Paprzycki, *Distributed Intelligent Systems*, Scalable Computing; Practice and Experiences, Vol. 9, No. 1, 2008

### **Book Chapters**

1. M. Drozdowicz, M. Ganzha, K. Wasielewska, P. Szymeja, Using Ontologies to Manage Resources in Grid Computing: Practical Aspects, in S. Ossowski (ed.), *Agreement Technologies, Law, Governance and Technology Series*, Springer, Berlin, 2013, 149-168
2. Mariusz Marek Mesjasz, Dominico Cimadoro, Salvatore Galzarano, Maria Ganzha, Giancarlo Fortino, Marcin Paprzycki, Integrating Jade and MAPS for the Development of Agent-Based , *Studies in Computational Intelligence Volume 446*, 2013, pp 211-220
3. S. Fidanova, O. Roeva, M. Ganzha, ACO and GA for Parameter Settings of E.coly Fed-Batch Cultivation Model, *Recent Advances in Computational Optimizattion, Studies in Comp. Int.*, 470, 2013, pp. 51 – 71.
4. M. Drozdowicz, M. Ganzha, K. Wasielewska, M. Paprzycki, P. Szymeja, Using Ontologies to Manage Resources in Grid Computing: Practical Aspects, S. Ossowski (ed.), *Agreement Technologies, Law, Governance and Technology Series*, Springer, Berlin, 2013, 149-168
5. J. Domański, R. Dziadkiewicz, M. Ganzha, A. Gab, M. Mesjasz, M. Paprzycki, Implementing Glider Agent – An Agent-Based Decision Support System for Glider Pilots, in M. Essaïdi et al. (eds.) *Software Agents, Agent Systems and Their Applications*, IOS Press, 2012, pp 222-244
6. G. Peregud, J. Zubek, M. Ganzha, M. Paprzycki, Implementing an eXAT-based distributed monitoring system prototype, *Computer Science and Information System (ComSIS)*, Vol. 9, No. 3, 2012, 1249-1285
7. A. Omelczuk, M. Wypysiak, M. Ganzha, M. Paprzycki, Information resource management in an agent-based virtual organization—initial implementation, *Computer Science and Information System (ComSIS)*, Vol. 9, No. 3, 2012, 1307-1330
8. Katarzyna Wasielewska, Michał Drozdowicz, Paweł Szymeja, Maria Ganzha, Marcin Paprzycki, Ivan Lirkov, Dana Petcu, and Costin Badica, *Agents in Grid System — Design and Implementation, Large Scale Scientific Computing, LNCS 7116*, Springer Germany, 2012, pp. 654 – 661
9. Maciej Gawinecki, Giacomo Cabri, Marcin Paprzycki, Maria Ganzha, *Structured Collaborative Tagging: Is It Practical for Web Service Discovery?*, in: J. Filipe, J. Cordeiro (eds.), *Web Information Systems and Technologies - 6th International Conference, Revised Selected Papers, Lecture Notes in Business Information Processing*, Springer, Berlin, 2011, 69-84
10. M. Drozdowicz, K. Wasielewska, M. Ganzha, M. Paprzycki, N. Attaoui, I. Lirkov, R. Olejnik, D. Petcu, C. Badica, “Ontology for Contract Negotiations in an Agent-based Grid Resource Management System,” in: P. Ivanyi, B.H.V. Topping (eds.), *Trends In Parallel, Distributed, Grid and Cloud Computing for Engineering*, Saxe-Coburg Publications, Stirlingshire, UK, 2011, 335-354
11. K. Wasielewska, M. Ganzha, M. Paprzycki, M. Drozdowicz, D. Petcu, C. Badica, N. Attaoui, I. Lirkov, R. Olejnik, *Negotiations in an Agent-based Grid Resource Brokering System*, in: P. Ivanyi, B.H.V. Topping (eds.), *Trends In Parallel, Distributed, Grid and Cloud Computing for Engineering*, Saxe-Coburg Publications, Stirlingshire, UK, 2011, 355-374
12. Maciej Gawinecki, Giacomo Cabri, Maria Ganzha, Marcin Paprzycki, *Trade-off between Complexity of Structured Tagging and Effectiveness of Web Service Retrieval*, in: F. Daniel, F. M. Facca (eds.), *Current Trends in Web Engineering - 10th International Conference on Web Engineering, ICWE 2010 Workshops, Revised Selected Papers, LNCS*, Springer, Berlin, 2010, 289-300

13. M. Senobari, M. Drozdowicz, M. Ganzha, M. Paprzycki, R. Olejnik, I. Lirkov, P. Telegin, N. M. Charkari, Resource Management in Grids: Overview and a discussion of a possible approach for an Agent-Based Middleware, in B.H.V. Topping, P. Ivanyi (eds.), *Parallel, Distributed and Grid Computing for Engineering*, Saxe-Coburg Publications, Stirlingshire, UK, 2009, 141-164
14. M. Drozdowicz, M. Ganzha, M. Paprzycki, R. Olejnik, I. Lirkov, P. Telegin, M. Senobari, Ontologies, Agents and the Grid: an Overview, in: B.H.V. Topping, P. Ivanyi (eds.), *Parallel, Distributed and Grid Computing for Engineering*, Saxe-Coburg Publications, Stirlingshire, UK, 2009, 117-140
15. Grzegorz Frackowiak, Maria Ganzha, Marcin Paprzycki, Michal Szymczak, Yo-Sub Han, Myon-Woong Park, Adaptability in an Agent Based Virtual Organization – Towards Implementation, in: J. Cordeiro et.al. (eds.), *Web Information Systems and Technologies*, Springer, Berlin, 2009, 27-39
16. Grzegorz Frackowiak, Maria Ganzha, Maciej Gawinecki, Marcin Paprzycki, Michal Szymczak, Yo-Sub Han, Myon-Woong Park “Considering Resource Management in Agent-Based Virtual Organization,” in: N. Nguyen, L. C. Jain (Eds.), *Intelligent Agents in the Evolution of Web and Applications*, Springer, Berlin, 2009, 161-190
17. M. Drozdowicz, M. Ganzha, W. Kuranowski, M. Paprzycki, I. Alshabani, R. Olejnik, M. Taifour, M. Senobari, I. Lirkov, “Software Agents in ADAJ: Load Balancing in a Distributed Environment,” in: M. Todorov (ed.), *Applications of Mathematics in Engineering and Economics’34*, American Institute of Physics, College Park, MD, 2008, 527-540
18. Maciej Gawinecki, Marcin Paprzycki, Maria Ganzha, Potential Problems in Development and Implementation of Agent Systems on the Basis of the Travel Support System (in Polish), in: S. Stanek et. al. (eds.), *Development of Multi-Agent Systems in Socio-Economic Environments*, Placet, Warsaw, Poland, 2008, 303-320
19. Maria Ganzha, Maciej Gawinecki, Paweł Kobzdej, Marcin Paprzycki, Model Agent-based E-commerce System (in Polish), in: S. Stanek et. al. (eds.), *Development of Multi-Agent Systems in Socio-Economic Environments*, Placet, Warsaw, Poland, 2008, 349-368
20. Wojciech Kuranowski, Maria Ganzha, Marcin Paprzycki, Mateusz Dominiak, Software Agents as Resource Brokers in the Grid (in Polish), in: S. Stanek et. al. (eds.), *Development of Multi-Agent Systems in Socio-Economic Environments*, Placet, Warsaw, Poland, 2008, 369-391
21. Maria Ganzha, Marcin Paprzycki, Ivan Lirkov, Trust Management in an Agent-based Grid Resource Brokering System - Preliminary Considerations, in: M. Todorov (ed.), *Applications of Mathematics in Engineering and Economics’33*, American Institute of Physics, College Park, MD, 2007, 35-46
22. Maria Ganzha, Marcin Pparzycki, Dana Petcu, Cluster Computing Facilities in a Service-Oriented Architecture, in: W. Shajdurov (ed.), *Distributed and Cluster Computing*, Technical University of Krasnojarsk Press, Krasnojarsk, Russia, 2007, 107-122
23. Costin Bădică, Adriana Bădită, Maria Ganzha, Marcin Paprzycki (2006) *Developing a Model Agent-based E-commerce System*. In: Jie Lu et. al. (eds.) *E-Service Intelligence - Methodologies, Technologies and Applications*, Springer, Berlin, 2007, 555-578
24. Maria Ganzha, Maciej Gawinecki, Marcin Paprzycki, Rafal Gasiorowski, Szymon Pisarek, Wawrzyniec Hyska *Utilizing Semantic Web and Software Agents in a Travel Support System*. In: A. F. Salam and Jason Stevens (eds.) *Semantic Web Technologies and eBusiness: Virtual Organization and Business Process Automation*, Idea Publishing Group, Hershey, PA, 2006, 325-359
25. Maria Ganzha, Marcin Paprzycki, Wojciech Kuranowski, Socrates Agents – in Support of Student Mobility, in: M. Goliński et. al. (eds.), *Informatics and Effectiveness of Systems*, PTI Press, Katowice, 2005, 295-302
26. Maria Ganzha *On Preliminary Ethical Estimation of a Software Project*. In: M. Golinski et.al. (eds.), *Informatics and Effectiveness of Systems*, PTI Press, Katowice, 2005, 285-295; reprinted in: *Projects & Profits*, September 2005
27. Maria Ganzha, Stanisław Szejko, *Ethics Risks in Software Developing Process*, In: Z. Huzar, Z. Mazur (eds.), *Problems and methods of software engineering*, WNT, 2003, 447–454
28. Maria Ganzha, *Some Social Issues Computer Ethics*, Science Notebook of ETI Department, Technical University of Gdansk, Information Technology, No. 2, 2003

### ***Journal Articles***

1. M. Ganzha, Krassimir Georgiev, Ivan Lirkov, Marcin Paprzycki, An application on partition method for solving 3D stokes equation, *Computers and Application Method*, 2015
2. C. Badica, S. Ilie, A. Muscar, A. Badica, L. Sandu, R. Sboru, M. Ganzha, M. Paprzycki, Distributed Agent-Based Online Auction System, *Computing and Informatics*, 33(3), 2014, 518-552
3. K. Wasielewska, M. Ganzha, M. Paprzycki, P. Szmeja, M. Drozdowicz, I. Lirkov, C. Badica, "Applying Saaty's Multicriterial Decision Making Approach in Grid Resource Management," *Information Technology and Control*, Vol. 43, No. 1, 2014, 73-87
4. M. Ganzha, M. Paprzycki, S. G. Sedukhin, Generalized Matrix Multiplication and its Object Oriented Model, *Scalable Computing: Practice and Experience*, Vol. 15, No. 2, 2014, 187-200
5. N. Attaoui, A. Bendahmane, M. Essaaidi, S. Sanyal, M. Ganzha, M. Paprzycki, K. Wasielewska, Malicious Workers Tolerance in an Agent-Based Grid Resource Brokering System, *IADIS International Journal on Computer Science and Information Systems*, Vol. 9, No. 1, 55-70
6. M. Ganzha, M. Paprzycki, S. G. Sedukhin, Image Scrambling on a "Mesh-of-Tori" Architecture, *Scalable Computing: Practice and Experience*, Vol. 15, No. 1, 2014, 79-87
7. M. Mesjasz, M. Paprzycki, M. Ganzha, Establishing Semantic Closeness in an Agent-Based Travel Support System, *Scalable Computing: Practice and Experience*, 14(2), 2013, 111-129
8. N. Attaoui, M. Ganzha, M. Paprzycki, K. Wasielewska, M. Essaaidi, Multiple Equivalent Simultaneous Offers Strategy in an Agent-Based Grid Resource Brokering System – Initial Considerations, *Scalable Computing: Practice and Experience*, 14(2), 2013, 83-94
9. Maria Ganzha, Marcin Paprzycki, Jakub Stadnik, Combining information from multiple search engines – Preliminary comparison. *Inf. Sci.* 180(10), 2010, 1908-1923
10. Maria Ganzha, Marcin Paprzycki, Michal Drozdowicz, Mehrdad Senobari, Ivan Lirkov, Sofiya Ivanovska, Richard Olejnik, Pavel Telegin, Mirroring information within an agent-team-based intelligent Grid middleware; an overview and directions for system development, *Scalable Computing: Practice and Experience*, Vol. 10, No. 4, 2009, 397-411
11. Sang K. Rhee, Jihye Lee, Myon-Wong Park, Michal Szymczak, Grzegorz Frackowiak, Maria Ganzha, Marcin Paprzycki, Measuring Semantic Closeness of Ontologically Demarcated Resources, *Fundamenta Informaticae*, 96, 2009, 395-418
12. Grzegorz Frackowiak, Maria Ganzha, Maciej Gawinecki, Marcin Paprzycki, Michal Szymczak, Costin Badica, Yo-Sub Han, Myon-Woong Park, Adaptability in an Agent Based Virtual Organization, *International Journal of Agent-Oriented Software Engineering*, Vol. 3, No. 2/3, 2009, 188-211
13. Michal Drozdowicz, Maria Ganzha, Marcin Paprzycki, Maciej Gawinecki, Alexander Legalov, Information flow and usage in an e-shop operating within an agent-based e-commerce system, *Journal of Siberian Federal University*, Vol. 2, No. 1, 2009, 3-22
14. Katarzyna Wasielewska, Maciej Gawinecki, Marcin Paprzycki, Maria Ganzha, Paweł Kobzdej, Optimizing Blackboard Implementation of Agent-Conducted Auctions, *IADIS International Journal on WWW/Internet*, Vol. 6, No. 1, 2008, 50-60
15. Michał Drozdowicz, Maria Ganzha, Maciej Gawinecki, Paweł Kobzdej, Marcin Paprzycki, Designing and Implementing Data Mart for an Agent-Based E-Commerce System, *IADIS International Journal on WWW/Internet*, Vol. 6, No. 1, 2008, 37-49
16. Mateusz Dominiak, Maria Ganzha, Maciej Gawinecki, Wojtek Kuranowski, Marcin Paprzycki, Svetozar Margenov, Ivan Lirkov, Utilizing Agent Teams in Grid Resource Brokering, *International Transactions on Systems Science and Applications*, Vol. 3, No. 4, 2008, 296-306
17. Wojciech Kuranowski, Maria Ganzha, Maciej Gawinecki, Marcin Paprzycki, Ivan Lirkov, Svetozar Margenov, Forming and managing agent teams acting as resource brokers in the Grid – preliminary considerations, *International Journal of Computational Intelligence Research*, Vol. 4, No. 1, 2008, 9-16
18. Costin Badica, Maria Ganzha, Marcin Paprzycki, Implementing Rule-Based Automated Price Negotiation in an Agent System, *Journal of Universal Computer Science*, 13(2), 2007, 244-266
19. Mladenka Vukmirovic, Michal Szymczak, Maciej Gawinecki, Maria Ganzha, Marcin Paprzycki, Designing New Ways for Selling Airline Tickets, *Informatica*, 31(1), 2007, 93-104
20. Maria Ganzha, Marcin Paprzycki, Wojciech Kuranowski Software Agents in Support of Student Mobility, *Scalable Computing: Practice and Experience*, 7(1), 2006, 49-58

21. Maria Ganzha, Marcin Paprzycki, Amalia Pîrvănescu, Costin Bădică, Ajith Abraham JADE-based Multi-Agent E-Commerce Environment: Initial Implementation, *Analele Universitatii de Vest din Timisoara* (Annals of West University of Timisoara), Seria Matematica-Informatica (Series on Mathematics-Informatics), Vol. XLII, Fasc. special, 2005, 79-100

### ***Refereed publications***

1. P. Szmeja, K. Wasielewska, M. Ganzha, M. Drozdowicz, M. Paprzycki, S. Fidanova, I. Lirkov, Reengineering and extending the Agents in Grid Ontology, LSSC, LNCS, Springer, Berlin, 2014, 565-573
2. M. Drozdowicz, K. Hayashi, M. Ganzha, M. Paprzycki, A. Vazhenin, Y. Watanobe, Implementing Agent-Based Resource Management in Tsunami Modeling – Preliminary Considerations, A. Madaan, et.al. (eds.), Databases in Networked Information Systems, Springer, Berlin, 2014, 95-111
3. K. Wasielewska, M. Ganzha, M. Paprzycki, C. Badica, M. Ivanovic, I. Lirkov, Multicriteria Analysis of Ontologically Represented Information, AIP Conference Proceedings 1629, 2014, 281-295
4. M. Ganzha, M. Mesjasz, M. Paprzycki, M. Ouedraogo, Inserting “Brains” into Software Agents–Preliminary Considerations, G. Fortino, et.al. (eds.), Internet and Distributed Computing Systems, Springer, Berlin, 2014, 3-14
5. M. Drwal, W. Radziszewska, M. Ganzha, M. Paprzycki, Equilibria in Concave Non-cooperative Games and Their Applications in Smart Energy Allocation, G. Fortino, et.al. (eds.), Internet and Distributed Computing Systems, Springer, Berlin, 2014, 409-421
6. I. Lirkov, M. Paprzycki, M. Ganzha, S.G. Sedukhin, P. Gepner, Performance analysis of scalable algorithms for 3D linear transforms, in: M. Ganzha, et.al. (eds.), Proceedings of the 2014 Federated Conference on Computer Science and Information Systems, IEEE Press, Los Alamitos, CA, 2014, 613-622
7. N. Attaoui, M. Essaïdi, M. Ganzha, M. Paprzycki, Malicious Workers Tolerance in an Agent-Based Grid Resource Brokering System – Preliminary Considerations, B. Akhgar, H. R. Arabnia (eds.), Proceedings of the 2014 International Conference on Computational Science and Computational Intelligence, IEEE Computer Society, Piscataway, NJ, 2014, 233-236
8. R. Tkaczyk, M. Ganzha, M. Paprzycki, AgentPlanner – agent-based timetabling system – preliminary design and evaluation, in: E. Petre and M. Brezovan (eds.), Proceedings of the 17th International Conference on Systems Theory, Control and Computing, IEEE Press, Los Alamitos, CA, 2013, 795-800
9. K. Wasielewska, M. Ganzha, M. Paprzycki, I. Lirkov, Developing ontological model of computational linear algebra – preliminary considerations, M. Todorov (ed.), AIP Conference Proceedings, 1561, 2013, 133-143
10. M. Ganzha, S. Sedukhin, M. Paprzycki, Library for Matrix Multiplication-based Data Manipulation on a "Mesh-of-Tori" Architecture, in: L.Maciaszek, et.al. (eds.), Proceedings of the 2013 Federated Conference on Computer Science and Information Systems, IEEE Press, Los Alamitos, CA, 2013, 455-462
11. A. Vazhenin, Y. Watanobe, K. Hayashi, M. Drozdowicz, M. Ganzha, K. Wasielewska, P. Gepner, Agent-based Resource Management in Tsunami Modeling, in: M. Ganzha, et.al. (eds.), Proceedings of the 2013 Federated Conference on Computer Science and Information Systems, IEEE Press, Los Alamitos, CA, 2013, 1047-1052
12. I. Lirkov, M. Ganzha, P. Gepner, Performance Evaluation of MPI/OpenMP Algorithm for 3D Time Dependent Problems,” in: M. Ganzha, et.al. (eds.), Position Papers of the 2013 Federated Conference on Computer Science and Information Systems, Annals on Computer Science and Information Systems, Volume 2, PIPS Press, Warsaw, 2013, 27-32
13. M. Ganzha, I. Lirkov, M. Paprzycki, Comparative analysis of high performance solvers for solving Stokes equation,” in: M. Todorov (ed.), AIP Conference Proceedings, 1561, 2013, 347-354
14. Stefka Fidanova, Olympia Roeva, Maria Ganzha, ACO for Parameter Settings of E.coli Cultivation Model, Proceedings of the FedCSIS'12, pp. 407-414

15. Liviu Sandu, Raluca Sboru, Sorin Ilie, Costin Bădică, Amelia Bădică, Maria Ganzha, Marcin Paprzycki, Information Flow in a Distributed Agent-Based Online Auction System, w Proceedings of WIMS'2012, ACM Digital Library
16. Katarzyna Wasielewska, Maria Ganzha, Using Analytic Hierarchy Process approach in ontological multicriterial decision making – preliminary considerations, M. Todorov (ed.), AIP Conference Proceedings, 1487, 2012, 95-103
17. Maria Ganzha, Krasimir Georgiev, Ivan Lirkov, Svetozar Margenov, Marcin Paprzycki, Highly Parallel Alternating Directions Algorithm for Time Dependent Problems, in: Michail D. Todorov, Christo I. Christov (eds.), Proceedings of the 3<sup>rd</sup> International Conference on Application of Mathematics in Technical and Natural Sciences, American Institute of Physics, College Park, MD, 2011, 210-217
18. Sylwia Polberg, Marcin Paprzycki, Maria Ganzha, Developing Intelligent Bots for the Diplomacy Game, in: M. Ganzha, et.al. (eds.), Proceedings of the 2011 Federated Conference on Computer Science and Information Systems, IEEE CS Press, Los Alamitos, CA, 2011, 589-596
19. Ivan Lirkov, Marcin Paprzycki, Maria Ganzha, Paweł Gepner, Parallel Alternating Directions Algorithm for 3D Stokes Equation, in: M. Ganzha, et.al. (eds.), Proceedings of the 2011 Federated Conference on Computer Science and Information Systems, IEEE CS Press, Los Alamitos, CA, 2011, 443-450
20. Maria Ganzha, Marcin Paprzycki, Stanislav Sedukhin, Developing an OO Model for Generalized Matrix Multiplication: Preliminary Considerations, in: M. Ganzha, et.al. (eds.), Proceedings of the 2011 Federated Conference on Computer Science and Information Systems, IEEE CS Press, Los Alamitos, CA, 2011, 439-442
21. Maciej Gawinecki, Giacomo Cabri, Marcin Paprzycki, Maria Ganzha, WSColab: Structured Collaborative Tagging for Web Service Matchmaking, in: J. Filipe, J. Cordeiro (eds), Proceedings of the 6th International Conference on Web Information Systems and Technologies, INSTICC Press, 2010, 70-77
22. Michele Martone, Salvatore Filippone, Salvatore Tucci, Marcin Paprzycki, Maria Ganzha: Utilizing Recursive Storage in Sparse Matrix-Vector Multiplication - Preliminary Considerations, Proceedings of the CATA Conference, ISCA Press, 2010, 300-305
23. Marcin Paprzycki, Michal Drozdowicz, Maria Ganzha, Katarzyna Wasielewska, Ivan Lirkov, Richard Olejnik, Naoual Attaoui: Utilization of Modified CoreGRID Ontology in an Agent-based Grid Resource Management System,.Proceedings of the CATA Conference, ISCA Press, 2010, 240-245
24. Gab, A.; Andreout, P.; Ganzha, M.; Paprzycki, M.; GliderAgent-a proposal for an agent-based glider pilot support system. In: Methods and Models in Automation and Robotics (MMAR), 2010 15th International Conference on, IEEE Press, 2010, 55-60
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### **Book Reviewing:**

1. Maria Ganzha, "E-learning with Intelligent Agents", review of *Designing Distributed Learning Environments with Intelligent Software Agents* by Fuhua Oscar Lin, ed., *IEEE Distributed Systems Online*, Volume 9, Number 2 -- February 2008, art. no. 0802-o2004.
2. Maria Ganzha, "Software Agent Technology: The State of the Art," review of *Software Agent-Based Applications, Platforms and Development* by Kits Rainer Unland, Matthias Klusch, and Monique Calisti, eds., *IEEE Distributed Systems Online*, vol. 8, no. 1, 2007, art. no. 0701-o1005.
3. Maria Ganzha, "When Humans and Agents Collide," a review of *Design of Intelligent Multi-Agent Systems: Human-Centredness, Architectures, Learning and Adaptation* by Rajiv Khosla, Nikhil Ichalkaranje, and Lakhmi Jain, eds., *IEEE Distributed Systems Online*, vol. 7, no. 3, art. no. 0602-o3009.
4. Maria Ganzha, "The Pros and Cons of Cyberspying," review of *Cyber Spying: Tracking Your Family's (Sometimes) Secret Online Lives* by Ted Fair, Michael Nordfelt, Sandra Ring, and Eric Cole, *IEEE Distributed Systems Online*, vol. 6, no. 7, 2005.

### **Other publications:**

1. M. Ganzha, M. Paprzycki, *Agent-Oriented Computing for Distributed Systems and Networks*, *Journal of Network and Computer Applications*, Vol. 37, 2014, 45-46
2. Maria Ganzha, *Workshop "Ethics and ICT"*, *Gazeta IT*, nr 11 (30), December, 2004, <http://www.gazeta-it.pl/etyka/git30/bruksela.html>
3. Maria Ganzha, *Involving of Ethics in Software Engineering* (in Polish), *Gazeta IT*, nr 1(20), January, 2004, <http://www.gazeta-it.pl/etyka.html>

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### ***Editorial Boards***

- Journal of Network and Computer Application, Elsevier  
<http://www.journals.elsevier.com/journal-of-network-and-computer-applications/>
- IEEE Computing Now (online portal of the IEEE CS)  
<http://www.computer.org/portal/web/computingnow>  
*Education Department Editor*
- International Journal of Knowledge and Web Intelligence (IJKWI)  
<http://www.inderscience.com/browse/index.php?journalID=284>
- Informatica – An International Journal of Computing and Informatics  
<http://www.informatica.si/>  
*Overview Paper Editor*
- IEEE Distributed Systems (an online publication of IEEE CS)  
<http://www.computer.org/dsonline>  
*Education Department Editor* <http://dsonline.computer.org/p>
- Intelligent Systems Engineering (book series)  
<http://www.isebis.eng.uerj.br/welcome.html>
- IJCSA – International Journal of Computer Science & Applications  
<http://www.tmrj.org/IJCSAMain.htm>
- International Journal on Information and Communication Technologies  
<http://www.ieee.ma/IJICT/>
- IADIS – International Journal on Computer Science and Information Systems  
<http://www.iadis.org/ijcsis/>
- Ethic section of an electronic monthly magazine Gazeta IT  
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### ***Invited presentations***

- Software Agent, Agent system and application – introduction, University of Aizu, Japan, March 2013
- Ontology for Contract Negotiations in an Agent-based Grid Resource Management System
  - The Second International Conference on Parallel, Distributed, Grid and Cloud Computing for Engineering (PARENG'2011), Ajaccio, France, April, 2011
- Resource Management in Grids: Overview and a discussion of a possible approach for an Agent-Based Middleware
  - Korea Institute of Science & Technology Information (KISTI), Daejeon, Korea, February, 2011
  - NATO Advanced Studies Institute “Software Agents, Agent Systems and Applications,” Tangier, Morocco, September, 2010
  - South Eastern European Multi-agent Systems Summer School, Bucharest, Romania, July, 2010
  - Technical University of Bucharest, Bucharest, Romania, May, 2010
  - Stuttgart Supercomputing Center, Stuttgart, Germany, May, 2009
- Intelligent Software Agents; Introduction and a Sample Applications
  - IEEE Tulsa Section, Tulsa, OK, March, 2010
- Implementing the Duty Trip Support Application
  - International Conference “Competitiveness and Stability in the Knowledge-Based Economy,” Craiova, Romania, May, 2010
- Agent Modeling Language; Introduction and Applications
  - University of Craiova, Craiova, Romania, March, 2009
- Ontologies Agents and the Grid: an Overview
  - University of Lille, Lille, France, July, 2009

- First International Conference on Parallel, Distributed and Grid Computing for Engineering, Pecs, Hungary, April, 2009
- Agent-based Virtual Organization
  - Workshop on Applications of Software Agents (WASA), Novi Sad, Serbia, July, 2011
  - West University of Timisoara, Timisoara, Romania, May, 2010
  - University of Calabria, Cosenza, Italy, September, 2008
  - West University of Timisoara, Timisoara, Romania, March, 2009
- Intelligent Software Agents; Introduction and a Sample Application
  - Technical University of Bucharest, Bucharest, Romania, May, 2010
  - Second University of Naples, Naples, Italy, September, 2008
- Content Personalization in Agent Systems – Two Case Studies
  - Digital Media R&D Center, Samsung Electronics Co., Ltd., Seoul, Korea, July, 2008
- Agent-based Travel Support System
  - Hanyang University, Seoul, Korea, July, 2008
- Introduction to Software Agents and their Applications
  - Kookmin University, Seoul, Korea, July, 2008
  - Seoul National University, Seoul, Korea, July, 2008
- Software Agents; Introduction and Grid-based Application
  - Yonsei University, Seoul, Korea, July, 2008
- Agents as Resource Brokers and Managers in the Grid
  - Supercomputing Center, Russian Academy of Sciences, Moscow, Russia, July, 2009
  - Institute for Parallel Processing, Bulgarian Academy of Sciences, Sofia, Bulgaria, June, 2009
  - University of Lille, Lille, France, July, 2008
  - Hongik University, Seoul, Korea, July, 2008
  - University of Western Timisoara, Timisoara, Romania, March, 2008
- Agent Systems and Applications
  - Sookmyung Womans University, Seoul, South Korea, January, 2008
  - Hongik University, Seoul, South Korea, January, 2008
  - Hanyang University, Seoul, South Korea, January, 2008
  - Southern Illinois University Carbondale, November, 2007
  - University of Lille, Lille, France, July, 2007
  - University of Cluj, Cluj-Napoca, Romania, March, 2007
  - University of Craiova, Craiova, Romania, March, 2007
  - University of Western Timisoara, Timisoara, Romania, March, 2007
  - University of Veszprem, Veszprem, Hungary, March, 2007
- Managing Trust in an Agent-based Grid resource Brokering System
  - 33<sup>rd</sup> AMEE Conference, Sozopol, Bulgaria, June, 2007
- Developing a Model E-commerce Agent System
  - University of Maribor, Maribor, Slovenia, October, 2006
  - Primorsko University, Koper, Slovenia, October, 2006
  - Novosibirsk State University, Novosibirsk, Russia, September, 2006
  - Krasnoyarsk Technical University, Krasnoyarsk, Russia, September, 2006
  - Paris 6 University, Paris, France, April, 2006
- Can Agent Systems Deliver?
  - University of Karlsruhe, December, 2005

### ***Workshops/Tutorials/Panels***

- Workshop on Applications of Software Agents (WASA), Novi Sad, Serbia, July, 2011
- “Software Agents, Agent Systems and Applications,” Hongik University, Seoul, Korea, February, 2011
- NATO Advanced Studies Institute “Software Agents, Agent Systems and Applications,” Tangier, Morocco, September, 2010
- “Introduction to Software Agents and Agent Systems,” Tutorial, 8 hours, Sejmik Młodych Informatyków, Międzyzdroje, Poland, September, 2009
- “Introduction to Software Agents and Agent Systems,” Tutorial, 34<sup>th</sup> AMEE Conference, Sozopol, Bulgaria, June, 2008

- “Agent Systems and Applications,” Tutorial, IADIS International Conference on Applied Computing, Algarve, Portugal, April, 2008

### ***Program committees***

1. Member of the Program Committee, 7<sup>th</sup> International Conference on Internet and Distributed Computing Systems (IDCS 2014)
2. Member of the Program Committee, 1st International Workshop on Developing and Applying Agent Frameworks, DAAF'2014
3. Member of the Program Committee, 12th International Conference on Practical Applications of Agents and Multi-Agent Systems, PAAMS'2014
4. Member of the Program Committee, The 5th International Conference on Ambient Systems, Networks and Technologies, ANT'2014
5. Member of the Program Committee, 3rd International Workshop on Self-Explaining Agents, SEA'2014
6. Member of the Program Committee, 7th International Symposium on Intelligent Distributed Computing, IDC'2013
7. Member of the Program Committee, 3rd Workshop on Applications of Software Agents (WASA 2013)
8. Member of the Program Committee, 8th International Conference on Soft Computing Models in Industrial and Environmental Applications
9. Member of the Program Committee, 3th International Conference on Cloud Computing and Services Science, CLOSER 2013
10. Member of the Program Committee, The 4th International Conference on Ambient Systems, Networks and Technologies, ANT'2013
11. Member of the Program Committee, 14th International Conference on Enterprise Information Systems (ICEIS'2013)
12. Member of the Program Committee, The International Conference on Management of Emergent Digital EcoSystems (MEDES), 2013
13. Member of the Program Committee, Ninths International Conference on Parallel Processing and Applied Mathematics (PPAM 2013), Poland, September, 2013
14. Member of the Program Committee 3th International Conference on Cloud Computing and Services Science, CLOSER 2012
15. Member of the Program Committee 13th International Conference on Enterprise Information Systems (ICEIS'2012)
16. Member of the Program Committee, The International Conference on Management of Emergent Digital EcoSystems (MEDES), 2012
17. Member of the Program Committee, Ningshts German Conference on Multi-Agent System Technologies (MATES), 2012
18. Member of the Program Committee, 6<sup>th</sup> International Symposium on Intelligent Distributed Computing, IDC'2012, October, 2012
19. Member of the Program Committee, 8<sup>th</sup> International Conference on Evaluation of Novel Approaches to Software Engineering (ENASE), 2013
20. Member of the Program Committee 3th International Conference on Cloud Computing and Services Science, CLOSER 2012
21. Member of the Program Committee 13th International Conference on Enterprise Information Systems (ICEIS'2012)
22. Member of the Program Committee, The International Conference on Management of Emergent Digital EcoSystems (MEDES), 2012
23. Member of the Program Committee, Ningshts German Conference on Multi-Agent System Technologies (MATES), 2012
24. Member of the Program Committee, 6<sup>th</sup> International Symposium on Intelligent Distributed Computing, IDC'2012, October, 2012
25. Member of the Program Committee, 5<sup>th</sup> Balkan Conference in Informatics, Novi Sad, Serbia, September, 2012

26. Member of the Program Committee, 7<sup>th</sup> International Conference on Evaluation of Novel Approaches to Software Engineering (ENASE), Wroclaw, Poland, June, 2012
27. Member of the Program Committee, The International Conference on Management of Emergent Digital EcoSystems (MEDES), San Francisco, CA, November, 2011
28. Member of the Program Committee, Ningshts German Conference on Multi-Agent System Technologies (MATES), Berlin, Germany, October, 2011
29. Member of the Program Committee, 5<sup>th</sup> International Symposium on Intelligent Distributed Computing, IDC'2011, Delft, Netherlands, October, 2011
30. Member of the Program Committee, Special Session on Software Technologies for Intelligent Collaborative Systems (STIX), Sinaia, Romania, October, 2011
31. Member of the Program Committee, Third International Workshop on Multi-Agent Systems Technology and Semantics (MASTS 2011), Delft, Netherlands, October, 2011
32. Co-Chair, Federated Conference on Computer Science and Information Systems, Szczecin, Poland, September, 2011
33. Co-Chair, Workshop on Agent Based Computing: from Model to Implementation, Szczecin, Poland, September, 2011
34. Member of the Program Committee, 8<sup>th</sup> Workshop on Agents for Complex Systems, Timisoara, Romania, September, 2011
35. Member of the Program Committee, The 2nd International Conference on Ambient Systems, Networks and Technologies, Niagara Falls, Canada, September, 2011
36. Member of the Program Committee, Ninths International Conference on Parallel Processing and Applied Mathematics (PPAM 2011), Torun, Poland, September, 2011
37. Member of the Program Committee, 11<sup>th</sup> IEEE International Conference on Computer and Information Technology, Paphos, Cyprus, August-September, 2011
38. Co-Chair, Workshop on Applications of Software Agents (WASA), Novi Sad, Serbia, July, 2011
39. Member of the Program Committee, Workshop on Semantic Web/Grid Information and Services Discovery and Management (SWISM 2011), Seoul, Korea, June-July, 2011
40. Member of the Program Committee, First International Conference on Parallel, Distributed and Grid Computing for Engineering, Ajaccio, France, April, 2011
41. Member of the Program Committee, 5<sup>th</sup> International ICST Conference on Bio-Inspired Models of Network, Information, and Computing Systems (BIONETICS'2010), Boston, MA, December, 2010
42. Member of the Program Committee, 10<sup>th</sup> International Conference on Intelligent Systems Design and Applications (ISDA'10), Cairo, Egypt, November-December, 2010
43. Member of Program Committee, 6<sup>th</sup> Workshop on Large Scale Computing on Grids (LaSCoG 2010), Wisła, Poland, October, 2010
44. Co-organizer, Agent-Based Computing VII (ABC'10), Wisła, Poland, October, 2010
45. Chair, 2010 International Multiconference on Computer Science and Information Technology, Wisła, Poland, October, 2010
46. Member of the Program Committee, The International Conference on Management of Emergent Digital EcoSystems (MEDES), Bangkok, Thailand, October, 2010
47. Member of the Program Committee of the 4th International Symposium on Intelligent Distributed Computing, IDC'2010, September, 2010, Tangier, Morocco
48. Member of the Program Committee, 7<sup>th</sup> Workshop on Agents for Complex Systems, Timisoara, Romania, September, 2010
49. Member of the Program Committee, Eights German Conference on Multi-Agent System Technologies (MATES), Hamburg, Germany, September, 2010
50. Member of the Program Committee, IEEE International Conference on Information Reuse and Integration 2010 (IRI10), Las Vegas, NV, August, 2010
51. Member of the Program Committee, The 3<sup>rd</sup> International Conference on Human-centric Computing (HumanCom-10), Cebu, Philippines, August, 2010
52. Member of the Program Committee, 10<sup>th</sup> International Conference on Hybrid Intelligent Systems (HIS'08), Atlanta, GA, August, 2010

53. Member of the Program Committee, 9<sup>th</sup> International Symposium on Parallel and Distributed Computing (ISPDC'10), Istanbul, Turkey, July, 2010
54. Member of the Program Committee of the International Symposium on Parallel and Distributed Computing (ISPDC'2010), Istanbul, Turkey, July, 2010
55. Member of the Program Committee of the 4th International Conference on Complex Distributed Systems (CODS 2010), Chongqing, China, 12-14 July 2010
56. Member of the Student Track Program Committee, The South Eastern European Multi-Agent Systems Summer School, Bucharest, Romania, July, 2010
57. Member of the Program Committee, Second Russia-Taiwan symposium on Methods and Tools of Parallel Programming of Multicomputers (MTPP-2010), Vladivostok, Russia, May, 2010
58. Member of the Program Committee, International Conference on High Performance Computing (HPC'2010), Orlando, FL, April, 2010
59. Member of the Program Committee, Workshop on Semantic Web/Grid Information and Services Discovery and Management (SWISM 2010), Krakow, Poland, February, 2010
60. Member of the Program Committee, First International Conference on Advances in P2P Systems, Florence, Italy, October, 2010
61. Member of the Program Committee, Grid Computing, High-performance and Distributed Applications (GADA'09), Monterrey, Mexico, November, 2009
62. Member of the Program Committee, International Symposium on Intelligent and Distributed Computing (IDC'2009), Aiyapa, Cyprus, October, 2009
63. Member of the Program Committee, First International Conference on Advances in P2P Systems, Sliema, Malta, October, 2009
64. Co-organizer, Agent-Based Computing VI (ABC'09), Wisła, Poland, October, 2009
65. Chair, 2009 International Multiconference on Computer Science and Information Technology, Wisła, Poland, October, 2009
66. Member of the Program Committee, 11<sup>th</sup> International Workshop on Symbolic and Numeric Algorithms for Scientific Computing (SYNASCO9), Timisoara, Romania, September, 2009
67. Member of the Program Committee, Seventh German Conference on Multi-Agent System Technologies (MATES), Hamburg, Germany, September, 2009
68. Member of the Program Committee, Workshop on Large Scale Computations on Grids (LaSCoG'2009), Wrocław, Poland, September, 2009
69. Member of the Program Committee, 20th International Conference on Database and Expert Systems Applications (DEXA 2009), August 31 – September 4, 2009, Linz, Austria
70. Member of the Program Committee, Eighth International Conference on Parallel Processing and Applied Mathematics (PPAM 2009), Wrocław, Poland, September, 2009
71. Member of the Program Committee, IEEE International Conference on Information Reuse and Integration 2009 (IRI09), Las Vegas, NV, August, 2009
72. The 2009 High Performance Computing & Simulation (HPCS'09) Conference, Leipzig, Germany, June, 2009
73. Member of the Program Committee, 4<sup>th</sup> Int. Conf. on Intelligent Computing and Information Systems, Cairo, Egypt, March, 2009
74. Member of the Program Committee, Grid Computing, High-performance and Distributed Applications (GADA'08), Monterrey, Mexico, November, 2008
75. Member of the Program Committee, Fifth IEEE International Conference on Soft Computing as Transdisciplinary Science and Technology (CSTST'08), Paris, France, October, 2008
76. Member of Program Committee, 4<sup>th</sup> Workshop on Large Scale Computing on Grids (LaSCoG 2008), Wisła, Poland, October, 2008
77. Co-organizer, Agent-Based Computing V (ABC'08), Wisła, Poland, October, 2008
78. Chair, 2008 International Multiconference on Computer Science and Information Technology, Wisła, Poland, October, 2008
79. Member of the Program Committee, XXIII Fall Meeting of the Polish Information Processing Society, Wisła, Poland, October, 2008
80. Member of the Program Committee, 8<sup>th</sup> International Conference on Hybrid Intelligent Systems (HIS'08), Barcelona, Spain, September, 2008



81. Member of the Program Committee, International Symposium on Intelligent and Distributed Computing - IDC'2007, Catania, Italy, September, 2008
82. Member of the Program Committee, IEEE International Conference on Information Reuse and Integration 2008 (IRI08), Las Vegas, NV, July, 2008
83. Co-organizer, Workshop on Grid and Scientific and Engineering Applications (Grid&SEA), Sozopol, Bulgaria, June, 2008
84. Member of the Program Committee, Session on Adaptive Networked Systems and Media, Wroclaw, Poland, June, 2008
85. Member of Program Committee 23rd Annual ACM Symposium on Applied Computing, Fortaleza, Ceará, Brazil, March 16 - 20, 2008
86. Member of Program Committee of the International Conference on Intelligent Systems Design and Applications (ISDA), Rio de Janeiro, Brazil, 22-24 October, 2007
87. Co-organizer, Agent-Based Computing IV (ABC'07), Wisła, Poland, October, 2007
88. Chair, 2007 International Multiconference on Computer Science and Information Technology, Wisła, Poland, October, 2007
89. Member of the Program Committee, XXII Fall Meeting of the Polish Information Processing Society, Wisła, Poland, October, 2007
90. Member of Program Committee, First International Symposium on Intelligent and Distributed Computing (IDC'2007), Craiova, Romania, October, 2007
91. Member of program Committee, Second International Conference on Grid Computing, High-performance and Distributed Applications, GADA'07; in conjunction with OnTheMove Federated Conferences (OTM'07), Iberian Peninsula, Spain, October, 2007
92. Member of the Program Committee, 7th International Conference on Hybrid Intelligent Systems (HIS'07), and 5th Conference on Neuro-Computing and Evolving Intelligence (NCEI'07), Kaiserslautern, Germany, September, 2007
93. Member of the Program Committee, First Russia-Taiwan symposium on Methods and Tools of Parallel Programming of Multicomputers (MTPP-2007), Pereslavl-Zalessky, Russia, September, 2007
94. Member of Program Committee, 3rd Workshop on Large Scale Computing on Grids, Gdańsk, Poland, September, 2007
95. Member of Program Committee, 2007 International conference on High Performance Computing & Simulation (HPCS'07) in conjunction with the 21st European Conference on Modeling and Simulation (ECMS 2007), Prague, Czech Republic, June, 2007
96. Member of Program Committee, International Conference of Adaptive and Natural Computing Algorithm, Warsaw, Poland, April, 2007
97. Member of Program Committee, Information and Communication Technologies International Symposium (ICTIS'07), Fez, Morocco, March, 2007
98. Member of the Organizing Committee, Symposium Agents, Interactions, Mobility, and Systems, within, The 22nd Annual ACM Symposium on Applied Computing Seoul, Korea, March, 2007
99. Member of Program Committee, 6th International Conference on Hybrid Intelligent Systems (HIS'06) and the 4th Conference on Neuro-Computing and Evolving Intelligence (NCEI'06), AUT Technology Park, Auckland, New Zealand, December, 2006
100. Member of the Organizing Committee, 2006 International Multiconference on Computer Science and Information Technology, Wisła, Poland November, 2006
101. Member of Organizing Committee, XXII Autumn Meetings of PIPS, Wisła, Poland November, 2006
102. Member of Program Committee, Grid Computing, High-performance and Distributed Applications GADA'06, Montpellier, France, October, 2006
103. Co-organizer of Invited Session (Multi-)Agent Systems in E-Business: Concepts, Technologies and Applications MASEB'2006, during 10th International Conference on Knowledge-Based & Intelligent Information & Engineering Systems KES 2006 Bournemouth, UK, October, 2006
104. Member of the Program Committee, Fourth Biennial International Conference on Advances in Information Systems (ADVIS'2006), Izmir, Turkey, October, 2006
105. Member of Program Committee, The High Performance Computing and Simulation Conference, HPCS 2006, Bonn, Germany, May, 2006

106. Member of Scientific Committee, IADIS International Conference Applied Computing, San Sebastian, Spain, February 2006
107. Member of the Program Committee, The IFIP International Symposium on Network-Centric Ubiquitous Systems (NCUS'2005), Nagasaki, Japan, December, 2005
108. Member of Organizing Committee, Scientific Session held during the XXI Autumn Meetings of PIPS, Wisła, Poland, December, 2005
109. Member of Organizing Committee, XXI Autumn Meetings of PIPS, Wisła, Poland, December, 2005
110. Member of the Program Committee, HIS'2005 The Fifth International conference on Hybrid Intelligent Systems (HIS'05), Rio de Janeiro, Brazil, November, 2005
111. Member of the Program Committee, The International Symposium on System Theory, Automation, Robotics, Computers, Informatics, Electronics and Instrumentation (Sintes 12), Craiova, Romania, October, 2005
112. Member of the Program Committee, Information and Communication Technologies International Symposium ICTIS'2005, Cooperation for the present millennium: Systems, Services & Technologies, Tetuan, Morocco, June 2005
113. Member of the Program Committee, The Fourth IEEE International Workshop on Soft Computing as Transdisciplinary Science and Technology, Muroran, Japan, May, 2005
114. Member of the Program Committee, Information Assurance and Security (IAS'05) International Conference on Information Technology, Las Vegas, Nevada, USA, April, 2005
115. Member of the Program Committee, IADIS International Conference on Applied Computing, Algarve, Portugal, February, 2005
- 116.** Member of the Program Committee, Workshop "Professionalism in Software Engineering", Giżycko, Poland, June, 2003

### ***Elected, Invited Positions***

- Member of the Board, Polish Information Processing Society, 2014 –
- Founding Member, IFIP Working Group 12.7, Social Networking Semantics and Collective Intelligence
- Member of the Audit Committee, Mazowsze Chapter, Polish Information Processing Society, 2009-2014
- Member of the Management Committee, EU COST Action 0801, Agreement Technologies, 2010-2012

### ***Other Professional Activities***

- Member of the Development Team, „Software Agents in Personalized Information Provisioning,” in cooperation with Korean Institute of Science and Technology
- Member of the Development Team, ECAP Project, System Research Institute Polish Academy of Science
- Member of the Development Team, Information Technology Ethics Library, <http://www.itel-ditr.pwz.net/itel/index.php>
- Expert of Workshop on Ethics and ICT, Brussels, Belgium, October 14-15, 2004, [http://europa.eu.int/information\\_society/research/ethics\\_141004/index\\_en.htm](http://europa.eu.int/information_society/research/ethics_141004/index_en.htm)

### ***Grant Proposal Evaluation***

- European Commission, call: H2020
- Poland-Singapore Collaboration, Ministry of Science and Higher Education, October, 2011
- Innovative Enterprise, Polish Ministry of Economy, November, 2008-2009

### ***Research Grants***

- 2008-2011 – Grant from Polish Ministry of Science and Higher Education, “Software Agents as Resource Brokers in Grid,” co-Principal Investigator

- 2000 – Grant from Ministry of Education of Belarus, No 200739, “Systems of functions with double orthogonality property and their applications in integral geometry,” co-Principal Investigator
- 1993 – Grant from Krasnoyarsk region science foundation for young scholars.

### ***Awards:***

- Best paper award, 7th International Conference on Internet and Distributed Computing Systems; Calabria, September, 2014
- Best Presentation Award, ICAISC Conference, Zakopane, Poland, June, 2006

### ***Undergraduate and Graduate Research:***

- External Evaluator, Ph.D. Thesis, “*Dynamic Adaptive Hypermedia System for E-learning*,” University of Craiova, Craiova, Romania, October, 2008
- Directing Masters Thesis:
  - *Management Article Flow System in a Scientific Journal* (in Polish), University of Warmia and Mazury, completed: July, 2009
  - *Modeling Project Management in a Virtual Organization* (in Polish), University of Warmia and Mazury, completed: July, 2009
- Masters Thesis Evaluator:
  - *Applying genetic algorithms to design of optimal keyboard layout* (in Polish), University of Gdańsk, October, 2011
  - *Data clustering algorithms and their application in micro-array analysis* (in Polish), University of Gdańsk, October 2010
  - *Applying genetic programming in image segmentation* (in Polish), University of Gdańsk, October 2010
  - *Animation Techniques in the 3D environment*, University of Warmia and Mazury, July 2009

### ***Paper Refereeing***

1. International Journal of Information Technology & Decision Making (IJITDM), 2012
2. Have acted as a referee for all conferences listed in the Program Committees section; each time have refereed between 1 and 10 papers
3. The International Journal of Computer Science and Applications
4. IEEE Transactions on Fuzzy Systems
5. Information Sciences
6. Springer Series: Advances in Computational Intelligence
7. For Future Generation Computer Systems, The International Journal of Grid Computing: Theory, Methods and Applications
8. Informatica – An International Journal of Computing and Informatics
9. For Intelligent Systems Engineering (book series)

### ***Professional development***

2003                      Completed the Microsoft Approved courses “Managing a Microsoft Windows Server 2003 Environment” (No. 2274), “Maintaining a Microsoft Windows Server 2003 Environment” (No. 2275).

### ***Courses Taught***

1. Semantic Data Processing
2. Software Agent: From Model to Implementation
3. Software Engineering
4. Computer Ethics
5. Theoretical Foundations of Computer Science
6. Data Structures

7. Interface Design
8. Theory of Algorithms
9. Financial Mathematics
10. Application Software Packages

**11.** Agent-Based Computing (taught at the University of Modena, Modena, Italy, May, 2007)

### ***Language Proficiency***

Russian – native

English – very good

Polish – fluent

### ***Personal Information***

Date and place of birth:

July, 30, 1964

Place of Birth

Tomsk, Russia