CURRICULUM VITAE

Ilias Sakellariou

Contact Information

Department of Applied Informatics, University of Macedonia,
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Education

2006 PhD in Computer Science, Department of Informatics, Aristotle University of Thessaloniki, Greece. Doctoral Thesis: *Parallel Contraint Logic Programming Systems*, Advisor: Prof. Ioannis Vlahavas.

1996 MSc in Information Technology: Knowledge Based Systems, Artificial Intelligence Department, University of Edinburgh, Edinburgh, Scotland. Thesis: *Cassandra: A contingency planner for the real world?*.

1995 BSc in Physics, School of Physics, Faculty of Sciences of the Aristotle University of Thessaloniki.

Research Interests

- *Programming Languages:* Domain Specific Languages for Multi Agent Based Simulation, Parallel Logic Programming, Constraint Logic Programming.
- *Intelligent Agents:* Agent Applications, Agent Modeling using Formal Methods.
- *Algorithms for Distributed Constraint Satisfaction:* Distributed Filtering Algorithms, Constraint based modeling.

Research Experience

UNIC "Unikernel-based CDNs for 5G Networks", 4th FED4FIRE+ Open Call, Mar 2019-July 2019

NECOS "Novel Enablers for Cloud Slicing". Horizon 2020 JOINT ACTION, H2020-EUB-2017, Nov 2017-Oct 2019

STEREO "Software Engineering Research Platform", funded by the European Social Fund and National funds (Thalis), 2012-2015.

MY VISIT PLANNER "Personalised Cultural Route Planning System", Funding Program Cooperation, GSRT/ESPA, 2011-2014

CSPCONS "Development of a Logic Programming Platform for Building Distributed Constraint Applications" (Bilateral Cooperation with Hungary, funded by the Greek R&D General Secretariat) (2000-2001).

EXPERNET "Development of a Distributed Expert System for the Management of a National Network". (INCO COPERNICUS), Jan 1997-Oct 1998.

DANAOS "Development of a Multimedia System for Teaching Prolog", Part of the DANAOS project, funded by the Greek Ministry of Education. (1998 - 1999)

MERMAID "Development of an Intelligent Drug Information System for a Ship's Medical Cabinet". Part of the MERMAID project, funded by the European Union under the TELEMEDICINE program (1996-1997).

Professional Experience

- Assistant Professor (Programming Languages for Intelligent Systems), Department of Applied Informatics (April. 2016 - present). Tenured: 2019.
- Lecturer (Programming Languages - Compilers), Department of Applied Informatics (April. 2008 - April 2016).
- Associated Teaching Staff, Information Technology Department, School of Technological Applications, Alexander Technological Educational Institute of Thessaloniki, (Oct. 2006 - Jun. 2008).
- Lecturer (Jun. 2006 - Sept. 2007) and Part time lecturer (Sept. 2002-Jun. 2006) in CITY College Thessaloniki, International Faculty of the University of Sheffield.

Teaching Experience

- Department of Applied Informatics, University of Macedonia:

  Undergraduate Courses
  - *Procedural Programming*, ac. year 2009-2010 - present,
  - *Programming Languages - Compilers*, ac. year 2008-2009 - present,
  - *Constraint Logic Programming*, ac. year 2012-2013 - present,
  - *Artificial Intelligence*, ac. years 2015-2016 and 2016-2017,
  - *Computer Architecture*, ac. year 2009-2010 until ac. year 2013-2014,
  - *Information Technology Project Management*, ac. year 2008-2009 until 2011-2012,
  - *Programming I*, ac. year 2008-2009,
  - *Systems Organization*, ac. year 2008-2009.

  Graduate Courses
  - *Planning and Scheduling*, ac. year 2019-2020 - present
  - *Advanced Artificial Intelligence*, ac. year 2015-2016 until ac. year 2017-2018,
  - *Autonomous Agents and Multi Agent Systems*, ac. year 2018-2019,
  - *Agent Based Programming*, ac. year 2012-2013 until 2017-2018,
  - *Web Programming*, ac. year 2010-2011 until 2011-2012,
  - *Artificial Intelligence and Intelligent Systems*, ac. year 2011-2012.

- As Associated Teaching Staff, in the department of Applied Informatics UOM, the course *Programming Languages and Compilers* (Sept. 2007 - Feb. 2008).
- As a lecturer and part-time lecturer in CITY College, in the following courses, *Logic Programming, Artificial Intelligence, Intelligent Agents* and *Systems Analysis and Design* (Sept. 2002 - Sept. 2007).
- As Associated Teaching Staff in ATEI, *Special Issues in Artificial Intelligence*, (Oct. 2006 - Jun. 2008).
- As a teaching assistant in the MSc course *Planning and Scheduling*, Computer Science Department, Aristotle University of Thessaloniki (2004 - 2005).
- As a teaching assistant in the BSc courses *Artificial Intelligence* and *Logic Programming*, Computer Science Department, Aristotle University of Thessaloniki (1998 - 2000).

Professional Activities

Organizing Committee member:

SEEFM Organising Committee in the 3rd South-East European Workshop on Formal Methods, Thessaloniki, Greece (SEEFM'07)

ICAPS Local Organising Committee in the 19th International Conference on Planning and Scheduling, Thessaloniki, Greece (ICAPS 2009).

Program Committee Member (Conferences):

AIAI IFIP Conference on Artificial Intelligence Applications & Innovations: 5th AIAI 2009 (Thessaloniki), 7th AIAI 2011 (Corfu), 8th AIAI 2012 (Halkidiki), 9th AIAI 2013 (Cyprus), 10th AIAI 2014 (Rhodes), 11th AIAI 2015 (Biarritz-Anglet-Bayonne) & 12th AIAI 2016 (Thessaloniki).

BCI Balkan Conference in Informatics: 4th BCI 2009 (Thessaloniki), 8th BCI 2017 (SKopje) & 9th BCI 2019 (Sofia).

SETN Hellenic Conference on Artificial Intelligence: 6th SETN 2010 (Athens), 7th SETN 2012 (Lamia), 8th SETN 2014 (Ioannina), 9th SETN 2016 (Thessaloniki), 11th SETN 2020 (Athens) & 12th SETN 2022 (Corfu).

PCI Panhelenic Conference on Informatics: 17th PCI 2013 (Thessaloniki), 18th PCI 2014 (Athens), 19th PCI 2015 (Athens), 20th PCI 2016 (Patra), 22nd PCI 2018 (Athens), 23rd PCI 2019 (Nicosia), 24th PCI 2020 (Athens), 25th PCI 2021 (Volos) & 26th PCI 2022 (Athens)

BICA Annual International Conference on Biologically Inspired Cognitive Architectures, BICA 2015 (Lyon), BICA 2016 (New York), BICA 2017 (Moscow) , BICA 2018 (Prague) & BICA 2019 (Seattle).

IDC International Symposium on Intelligent Distributed Computing: 13th IDC 2019 (Saint-Petersburg), IDC 2022 (Bremen)

IJCAI International Joint Conference on Artificial Intelligence: 27th JCAI 2018 (Stockholm) / *Distiguished PC Member*, 28th IJCAI 2019 (Macao), 29th IJCAI 2020 (Virtual Japan).

AAAI AAAI Conference on Artificial Intelligence: 32nd AAAI-2018 (New Orleans), 34th AAAI-2020 (New York), 35th AAAI-2021 (Virtual), 36th AAAI-2022 (Virtual).

SSCI-IA IEEE Symposium on Intelligent Agents (IEEE IA), part of SSCI IEEE Symposium Series On Computational Intelligence: SSCI 2019 (Xiamen), SSCI 2022 (Singapore)

EUMAS European Conference on Multi-Agent Systems: 17th EUMAS 2020 (Thessaloniki), 18th EUMAS 2021 (Virtual)

ICCCI International Conference on Computational Collective Intelligence: 14th ICCCI-2022 (Hammamet).

Program Committee Member (Workshops):

EDUMAS Workshop On Educational Uses of Multi-Agent Systems (EDUMAS-09), Budapest, Hungary, 2009 (In Conjunction with AAMAS 2009)

SEEFM 4th South-East European Workshop on Formal Methods Thessaloniki, Greece (SEEFM'09).

AEGS Agents for Education, Games and Simulations, AAMAS workshop, Taipei, Taiwan (AEGS 2011).

CAVE 1st (Valencia)) & 2nd (Saint Paul, Minnesota) Cognitive Agents for Virtual Environments, AAMAS Workshop, (CAVE 2012 & CAVE 2013).

WoTEL Workshop on TEL - Technology Enhanced Learning (Craiova Romania) BCI 2015 Workshop, (WoTEL 2015).

ABC 10th Workshop on Agent Based Computing: from Model to Implementation, Lodz, Poland (ABC:MI'15).

WASA 5th (Craiova, Romania) in conjuction with BCI 2015, 6th (Halkidiki, Greece) in conjuction with ICCCI 2016, 7th (Belgrade, Serbia) in conjunction with IDC 2017, 8th (Novi Sad, Serbia)

in conjuntion with WIMS 2018, 9th (Sofia) in conjunction with IEEE INISTA 2019, Workshop on Applications of Software Agents (WASA 2015, WASA 2016, WASA 2017, WASA 2018 & WASA 2019).

DSC 1st to the 10th Annual SEERC Doctoral Student Conference, DSC 2007 - DSC 2015.

Reviewer in the following journals:

- Transactions on Knowledge and Data Engineering: Special Issue on Rule Representation, IEEE (2009).
- Editorial Advisory Board in Multi-Agent Systems for Education and Interactive Environment, (eds M.Beer, M. Fasli and D. Richards) 2010, (IGI-Global) ISBN 978-1-60960-080-8, 2011.
- Computer Science and Information Systems, ComSIS, Servia, 2012.
- Engineering Intelligent Systems, CRL Publishing (2012 & 2013).
- Journal of Network and Computer Applications, Elsevier, 2012).
- Neurocomputing, Elsevier, 2012.
- International Journal on Artificial Intelligence Tools, World Scientific, 2017.
- IEEE Journal on Selected Areas in Communications, 2017.
- IEEE Transactions on Network and Service Management, 2021
- IEEE Communications Magazine, 2019, 2020, 2021, 2022.
- Simulation Modelling Practice and Theory, Elsevier, 2017.
- SOFTX, Elsevier, 2017, 2021
- Computers & Graphics, Elsevier, 2021
- Mathematical Biosciences and Engineering, AIMS Press, 2022
- Applied Sciences, MDPI (2020, 2022), Artificial Intelligence, MDPI (2020)

Reviewer in the following conferences:

- 3rd Helenic Conference on Artificial Intelligence, SETN04, Samos.
- The 8th (Paphos) & 9th (Madeira,Portugal) International Conference in Enterprise Information Systems (ICEIS 2006 & ICEIS 2007).
- 19th IEEE International Conference on Tools with Artificial Intelligence 2007, Patras, Greece (ICTAI 2007).
- Informatics Education Europe Conference 2007 (Thessaloniki) & 2008 (Venice), (IEEII 2007 & IEEII 2008).
- 23rd International Joint Conference on Artificial Intelligence, Beijing, China (IJCAI 2013).
- 10th Helenic Conference on Artificial Intelligence, SETN 2018, Patra.
- 8th International Workshop on Combinations of Intelligent Methods and Applications (CIMA 2018) in conjunction with the (ICTAI-2018), Volos, 2018.

Member of IEEE, ACM and Greek AI Society.

Publications

Journals

[J1] Ioannis Vlahavas, Nick Bassiliades, Ilias Sakellariou, Martin Molina, Sascha Ossowskia, Ivan Futo, Janos Szeredi Zoltan Pasztor, Igor Velbitskiyi, Sergey Yershov, and Igor Netesin. "ExperNet: An Intelligent Multi-Agent System for WAN Management". In: *IEEE Intelligent Systems* 17.1 (2002), pages 62–72.

[J2] I. Sakellariou and I. Vlahavas. "Distributed Singleton Consistency". In: *Journal of Experimental and Theoretical Artificial Intelligence* 16.2 (2004), pages 107–124.

[J3]   Ilias Sakellariou, Ioannis P. Vlahavas, Ivan Futó, Zoltán Pásztor, and János Szeredi. "Communicating sequential processes for distributed constraint satisfaction". In: *Information Sciences* 176.5 (2006), pages 490–521.

[J4]   I. Stamatopoulou, I. Sakellariou, P. Kefalas, and G. Eleftherakis. "OPERAS for Social Insects: Formal Modelling and Prototype Simulation". In: *Romanian Journal of Information Science and Technology* 11 (2008), pages 267–280.

[J5]   Petros Kefalas, Ioanna Stamatopoulou, Ilias Sakellariou, and George Eleftherakis. "Transforming communicating X-machines into P systems". In: *Natural Computing* 8.4 (2009), pages 817–832.

[J6]   Nickolaos Bezirgiannis and Ilias Sakellariou. "Agent Assisted Paper Collection For Recycling". In: *Engineering Intelligent Systems, CRL Publishing* 20.1 (2012), pages 65–75.

[J7]   Ioannis Refanidis and Ilias Sakellariou. "Computing higher order exclusion relations in propositional planning". In: *Journal of Experimental and Theoretical Artificial Intelligence* 25.1 (2013), pages 23–51.

[J8]   Anastasios Alexiadis, Ioannis Refanidis, and Ilias Sakellariou. "Integrating Meeting and Individual Events Scheduling". In: *Inteligencia Artificial* 21.62 (2018), pages 53–66. ISSN: 1988-3064.

[J9]   Stuart Clayman, Augusto Neto, Fábio Verdi, Sand Correa, Silvio Sampaio, Ilias Sakelariou, Lefteris Mamatas, Rafael Pasquini, Kleber Cardoso, Francesco Tusa, Christian Rothenberg, and Joan Serrat. "The NECOS Approach to End-to-End Cloud-Network Slicing as a Service". In: *IEEE Communications Magazine* 59.3 (2021), pages 91–97.

Chapters

[Ch1]   Ilias Sakellariou and Ioannis Vlahavas. "Constraint Logic Programming on Multiple Processors". In: *Parallel Combinatorial Optimization*. Wiley Series on Parallel and Distributed Computing. John Wiley & Sons, Inc., 2006, pages 263–300. ISBN: 9780470053928.

[Ch2]   Ilias Sakellariou, Petros Kefalas, and Ioanna Stamatopoulou. "An Intelligent Agents and Multi-Agent Systems Course Involving NetLogo". In: *Multi-Agent Systems for Education and Interactive Entertainment: Design, Use and Experience*. Edited by Martin Beer, Maria Fasli, and Debbie Richards. IGI Global, 2011, pages 26–50.

[Ch3]   Ilias Sakellariou. "Controlling Turtles through State Machines: An Application to Pedestrian Simulation". In: *Simulation and Modeling Methodologies, Technologies and Applications*. Edited by Mohammad S. Obaidat, Joaquim Filipe, Janusz Kacprzyk, and Nuno Pina. Volume 256. Advances in Intelligent Systems and Computing. Springer International Publishing, 2014, pages 197–210. ISBN: 978-3-319-03580-2.

[Ch4]   Ilias Sakellariou, Dimitris Dranidis, Marina Ntika, and Petros Kefalas. "Stream X-Machines for Agent Simulation Test Case Generation". In: *Agents and Artificial Intelligence: 7th International Conference, ICAART 2015, Lisbon, Portugal, January 10-12, 2015, Revised Selected Papers*. Edited by Béatrice Duval, Jaap van den Herik, Stephane Loiseau, and Joaquim Filipe. Cham: Springer International Publishing, 2015, pages 37–57. ISBN: 978-3-319-27947-3.

[Ch5]   Nikolaos Bezirgiannis, I. S. W. B. Prasetya, and Ilias Sakellariou. "HLogo: A Haskell STM-Based Parallel Variant of NetLogo". In: *Simulation and Modeling Methodologies, Technologies and Applications: International Conference, SIMULTECH 2016 Lisbon, Portugal, July 29-31, 2016, Revised Selected Papers*. Edited by Mohammad S. Obaidat, Tuncer Oren, and Yuri Merkuryev. Cham: Springer International Publishing, 2018, pages 97–119. ISBN: 978-3-319-69832-8.

Conferences

[C1] Ioannis Vlahavas, Andreas Pomportsis, and Ilias Sakellariou. "IDIS-KS: An Intelligent Drug Information System as a Knowldege Server". In: *Proceedings of Int. Congress of Medical Informatics Europe (MIE-97), IOS press*. Edited by C. Pappas, N. Magalveras, and J.-R. Scherrer. May 1997, pages 368–372. ISBN: 90-5199-343-9.

[C2] Ioannis Vlahavas, Petros Kefalas, Constantine Halatsis, and Ilias Sakellariou. "The Basic OASys Model: Preliminary Results". In: *Proceedings of 6th Hellenic Conference on Informatics*. Dec. 1997, pages 723–731.

[C3] I. Vlahavas, N. Bassiliades, I. Sakellariou, M. Molina, S. Ossowski, I. Futo, Z. Pasztor, J. Szeredi, I. Velbitskiy, S. Yershov, S. Golub, and I. Netesin. "System Architecture of a Distributed Expert System for the Management of a National Data Network". In: *Proceedings of the 8th International Conference on Artificial Intelligence: Methodology, Systems, and Applications (AIMSA-98)*. Edited by F. Giunchiglia. Volume 1480. LNAI. Berlin: Springer, Sept. 1998, pages 438–451. ISBN: 3-540-64993-X.

[C4] Ioannis Vlahavas, Ioannis Refanidis, and Ilias Sakellariou. "A MultiMedia System for Teaching the logic Programming Language Prolog". In: *Proceedings of the 1st National Conference on Informatics in Education*. Nov. 2000.

[C5] Ioannis P. Vlahavas, Ilias Sakellariou, Ivan Futo, Zoltan Pasztor, and Janos Szeredi. "CSP-CONS: A Communicating Sequential Prolog with Constraints". In: *Methods and Applications of Artificial Intelligence, Proceedings of the 2nd Hellenic Conference on AI, SETN 2002, Thessaloniki, Greece*. Edited by I. Vlahavas and C. Spyropoulos. Volume 2308. Lecture Notes in Computer Science. Springer, 2002, pages 72–84. ISBN: 978-3-540-43472-6.

[C6] Ilias Sakellariou, Fotios Kokkoras, and Ioannis Vlahavas. "Applying a Distributed CLP Platform to a Workforce Management Problem". In: *12th Conference on Intelligent Systems Application to Power Systems (ISAP '03)*. 2003.

[C7] Ilias Sakellariou and Ioannis Vlahavas. "Simple Distributed Filtering on a CLP Platform". In: *Companion Volume-of 3rd Hellenic Conference on Artificial Intelligence, SETN 2004*. Edited by G. Vouros and T. Panagiotopoulos. May 2004, pages 318–327. ISBN: 960-431-910-8.

[C8] Duncan Jackson, Mike Holcombe, Ioanna Stamatopoulou, Ilias Sakellariou, George Eleftherakis, Petros Kefalas, and Marian Georghe. "Modelling Self-Organisation in Ant Colonies". In: *7th International Conference on Artificial Evolution (poster)*. Oct. 2005.

[C9] Ilias Sakellariou, George Eleftherakis, Ioannis Vlahavas, and Petros Kefalas. "Animating Formal Models in a Communicating Sequential Process Platform". In: *Proceedings of 10th Panhellenic Conference on Informatics, Volos, Local Proceedings*. Edited by P. Bozanis and E. Houstis. Nov. 2005, pages 174–183.

[C10] Ioanna Stamatopoulou, Ilias Sakellariou, Petros Kefalas, and George Eleftherakis. "Formal Modelling for In-silico Experiments with Social Insect Colonies". In: *Current Trends in Informatics, Proceedings of the 11th Panhellenic Conference on Informatics, Patra*. Edited by T. Papatheodorou, D. Christodoulakis, and N. Karanikolas. New Technologies Publications, Oct. 2007, pages 79–89. ISBN: 978-960-89784-2-3.

[C11] Ilias Sakellariou, Petros Kefalas, and Ioanna Stamatopoulou. "Enhancing NetLogo to Simulate BDI Communicating Agents". In: *Artificial Intelligence: Theories, Models and Applications, 5th Hellenic Conference on AI, SETN 2008, Syros, Greece, October 2-4, 2008. Proceedings*. Edited by J. Darzentas, G. Vouros, S. Vosinakis, and A. Arnellos. Volume 5138. Lecture Notes in Computer Science. Springer, 2008, pages 263–275. ISBN: 978-3-540-87880-3.

[C12] Ilias Sakellariou, Petros Kefalas, and Ioanna Stamatopoulou. "Teaching Intelligent Agents using NetLogo". In: *Proceedings of the ACM-IFIP Informatics Education Europe III Conference (IEEIII 2008), Venice, Italy*. Edited by A. Cortesi and F. Luccio. ACM, 2008, pages 209–221. ISBN: 978-88-903433-0-8.

[C13] Ilias Sakellariou, Petros Kefalas, and Ioanna Stamatopoulou. "MAS Coursework Design in NetLogo". In: *Proceedings of the Educational Uses of Multi Agent Systems (EduMAS 09), Workshop of the Eighth International Conference on Autonomous Agents and Multi-Agent Systems (AAMAS 09), Budapest, Hungary*. Edited by M. Beer, M. Fasli, and D. Richards. 2009, pages 47–54.

[C14] Ioannis Refanidis and Ilias Sakellariou. "A Systematic and Complete Algorithm to Compute Higher Order Exclusion Relations". In: *Proceeding of the ICAPS-2009 Workshop on Constraint Satisfaction Techniques for Planning and Scheduling Problems (COPLAS'2009), Thessaloniki, Greece*. Edited by R. Bartak M. Salido and N. Policella. 2009, pages 33–42.

[C15] Ljubinka Gareva-Takasmanov and Ilias Sakellariou. "OWL for the Masses: From Structured OWL to Unstructured Technically-Neutral Natural Language". In: *2009 Fourth Balkan Conference in Informatics, BCI 2009, Thessaloniki, Greece, 17-19 September 2009*. Edited by P. Kefalas, D. Stamatis, and C. Douligeris. IEEE Computer Society, 2009, pages 260–265. ISBN: 978-0-7695-3783-2.

[C16] Nikolaos Bezirgiannis and Ilias Sakellariou. "ECOTRUCK: An Agent System for Paper Recycling". In: *Artificial Intelligence Applications and Innovations - 12th INNS EANN-SIG International Conference, EANN 2011 and 7th IFIP WG 12.5 International Conference, AIAI 2011, Corfu, Greece, September 15-18, 2011, Proceedings, Part II*. Edited by L. Iliadis, I. Maglogiannis, and H. Papadopoulos. Volume 364. IFIP Advances in Information and Communication Technology. Springer, 2011, pages 303–312. ISBN: 978-3-642-23959-5.

[C17] Ilias Sakellariou. "Turtles as State Machines - Agent Programming in NetLogo using State Machines". In: *ICAART 2012 - Proceedings of the 4th International Conference on Agents and Artificial Intelligence, Volume 2 - Agents, Vilamoura, Algarve, Portugal, 6-8 February, 2012*. Edited by J. Filipe and A.L.N. Fred. SciTePress, 2012, pages 375–378. ISBN: 978-989-8425-96-6.

[C18] Olivier Georgeon and Ilias Sakellariou. "Designing Environment-Agnostic Agents". In: *Adaptive Learning Agents workshop (ALA2012), of the 11th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2012), Valencia, Spain*. Edited by E. Howley, P. Vrancx, and M. Knudson. 2012, pages 25–32.

[C19] Ilias Sakellariou. "Agent based Modelling and Simulation using State Machines". In: *SIMULTECH 2012 - Proceedings of the 2nd International Conference on Simulation and Modeling Methodologies, Technologies and Applications, Rome, Italy, 28 - 31 July, 2012*. Edited by N. Pina, J. Kacprzyk, and M. Obaidat. SciTePress, 2012, pages 270–279. ISBN: 978-989-8565-20-4.

[C20] Ilias Sakellariou, Ioanna Stamatopoulou, and Petros Kefalas. "Using Membranes to Model a Multi-Agent System towards Underground Metro Station Crowd Behaviour Simulation". In: *First Workshop on Intelligent Agents in Urban Simulation and Smart Cities (IAUSSCws) of European Conference on Artificial Intelligence (ECAI 2012), Montpellier*. Edited by V. Corruble, F. Carrera, and S. Guerin. Aug. 2012, pages 5–10.

[C21] Ioanna Stamatopoulou, Ilias Sakellariou, and Petros Kefalas. "Formal Agent-Based Modelling and Simulation of Crowd Behaviour in Emergency Evacuation Plans". In: *IEEE 24th International Conference on Tools with Artificial Intelligence, ICTAI 2012, Athens, Greece, November 7-9, 2012*. IEEE, 2012, pages 1133–1138. ISBN: 978-1-4799-0227-9.

[C22]   Eleni Zografidou, Ilias Sakellariou, Konstantinos Petridis, and Garyfallos Arabatzis. "Agent based modeling and simulation for fuelwood consumption prediction". In: *HELORS 2013, Proceedings of 2nd International Symposium and 24 th National Conference on Operational Research, 26-28 September 2013*. Edited by Y. Siskos, N. Matsatsinis, and J. Psarras. (published Feb 2014). 2013, pages 138–143. ISBN: 978-618-80361-1-6.

[C23]   Ilias Sakellariou, Petros Kefalas, and Ioanna Stamatopoulou. "Evacuation Simulation through Formal Emotional Agent based Modelling". In: *ICAART 2014 - Proceedings of the 6th International Conference on Agents and Artificial Intelligence, Volume 2, ESEO, Angers, Loire Valley, France, 6-8 March, 2014*. Edited by B., J. van den Herik, S. Loiseau, and J. Filipe. SciTePress, 2014, pages 193–200. ISBN: 978-989-758-016-1.

[C24]   Petros Kefalas, Ilias Sakellariou, Dionysios Basakos, and Ioanna Stamatopoulou. "A Formal Approach to Model Emotional Agents Behaviour in Disaster Management Situations". In: *Artificial Intelligence: Methods and Applications - 8th Hellenic Conference on AI, SETN 2014, Ioannina, Greece, May 15-17, 2014. Proceedings*. Edited by A. Likas, K. Blekas, and D. Kalles. Springer, 2014, pages 237–250. ISBN: 978-3-319-07063-6.

[C25]   Ioannis Refanidis, Christos Emmanouilidis, Ilias Sakellariou, Anastasios Alexiadis, Remous-Aris Koutsiamanis, Konstantinos Agnantis, Aimilia Tasidou, Fotis Kokkoras, and Pavlos S. Efraimidis. "myVisitPlanner ^{GR}: Personalized Itinerary Planning System for Tourism". In: *Artificial Intelligence: Methods and Applications - 8th Hellenic Conference on AI, SETN 2014, Ioannina, Greece, May 15-17, 2014. Proceedings*. Edited by A. Likas, K. Blekas, and D. Kalles. Springer, 2014, pages 615–629. ISBN: 978-3-319-07063-6.

[C26]   Ilias Sakellariou, Omar Kurdi, Marian Gheorghe, Daniela Romano, Petros Kefalas, Florentin Ipate, and Ionut-Mihai Niculescu. "Crowd formal modelling and simulation: The Sa'yee ritual". In: *14th UK Workshop on Computational Intelligence, UKCI 2014, Bradford, UK, September 8-10, 2014*. IEEE, 2014, pages 1–8.

[C27]   Marina Ntika, Ilias Sakellariou, Petros Kefalas, and Ioanna Stamatopoulou. "Experiments with Emotion Contagion in Emergency Evacuation Simulation". In: *WASA Workshop of the 4th International Conference on Web Intelligence, Mining and Semantics (WIMS 14), Thessaloniki, Greece, June 2-4, 2014*. Edited by R. Akerkar, N. Bassiliades, J. Davies, and V. Ermolayev. ACM, 2014, 49:1–49:11. ISBN: 978-1-4503-2538-7.

[C28]   Ilias Sakellariou, Dimitris Dranidis, Marina Ntika, and Petros Kefalas. "From Formal Modelling to Agent Simulation Execution and Testing". In: *ICAART 2015 - Proceedings of the 7th International Conference on Agents and Artificial Intelligence, Lisbon, Portugal*. Edited by S. Loiseau, J. Filipe, B. Duval, and J. van den Herik. SciTePress, Jan. 2015, pages 87–98. ISBN: 978-989-758-073-4.

[C29]   Nikolaos Bezirgiannis, I. S. W. B. Prasetya, and Ilias Sakellariou. "HLogo: A Parallel Haskell Variant of NetLogo". In: *Proceedings of the 6th International Conference on Simulation and Modeling Methodologies, Technologies and Applications (SIMULTECH 2016), Lisbon, Portugal, July 29-31, 2016*. Edited by Yuri Merkuryev, Tuncer I. Oren, and Mohammad S. Obaidat. SciTePress, 2016, pages 119–128.

[C30]   Ilias Sakellariou, Petros Kefalas, Suzie Savvidou, Ioanna Stamatopoulou, and Marina Ntika. "The Role of Emotions, Mood, Personality and Contagion in Multi-agent System Decision Making". In: *Artificial Intelligence Applications and Innovations - 12th IFIP WG 12.5 International Conference and Workshops, AIAI 2016, Thessaloniki, Greece, September 16-18, 2016, Proceedings*. Edited by Lazaros S. Iliadis and Ilias Maglogiannis. Volume 475. IFIP Advances in Information and Communication Technology. Springer, 2016, pages 359–370.

[C31] Petros Kefalas, Ilias Sakellariou, Suzie Savvidou, Ioanna Stamatopoulou, and Marina Ntika. "The Role of Mood on Emotional Agents Behaviour". In: *Computational Collective Intelligence - 8th International Conference, ICCCI 2016, Halkidiki, Greece, September 28-30, 2016, Proceedings, Part I*. Edited by Ngoc Thanh Nguyen, Yannis Manolopoulos, Lazaros S. Iliadis, and Bogdan Trawinski. Volume 9875. Lecture Notes in Computer Science. Springer, 2016, pages 53–63.

[C32] Petros Kefalas and Ilias Sakellariou. "The Invalidity of Validating Emotional Multi-Agent Systems Simulations". In: *Proceedings of the 8th Balkan Conference in Informatics, BCI 2017, Skopje, Macedonia, September 20 - 23, 2017*. Edited by Katerina Zdravkova, George Eleftherakis, and Petros Kefalas. ACM, 2017, 8:1–8:8.

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