Curriculum Vitae

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Dr. Konstantinos Kotis

Contents

Summary

Dr. Konstantinos Kotis obtained his BSc (Hons) from the School of Computation at University of Manchester (UMIST), UK, in 1995. He obtained his PhD in Information Management (in the area of Knowledge Representation and Management) from the Department of Information and Communication Systems Engineering, University of the Aegean, Greece, in 2005. He then worked as a post-doctoral researcher at the Artificial Intelligence Lab of the same department for one year (2005-2006). From 2006 to 2010 he also worked at the same department as an adjunct lecturer and as a post-doc researcher. During this period he supervised or co-supervised several theses and taught courses at both graduate (Soft. Engineering, Knowl. Engineering) and post-graduate level (Semantic Web and Ontologies). Konstantinos also works as an IT director in a governmental local administrative authority organization since 2000. His research interests include but not limited to: Knowledge engineering, Ontology Engineering, Semantic Data Management, Semantic Interoperability, Semantic Web and the Internet of Things. His latest research interest focus on Semantic Interoperability in the Internet of Things and Ontology-based Data Integration (OBDA). He has published 15 papers in international journals (incl. IJDST, KAIS, ILE, IJKEDM, FGCS, IEEE IS, IJWGS, IJMSO, and Applied AI), 32 papers in international conferences (incl. ESWC, ISWC, KSEM, IJCAI, and VLDB) and 7 book chapters, with a total of more than 50 peer-reviewed publications. Recently, Microsoft's Academic Research and Google Scholar portals reported an h-index of 14. Dr. Kotis is a member of the Hellenic Artificial Intelligence Company (EETN). In addition, he has served as a reviewer in several international journals and also as a member of conferences' program committees (incl. IEEE IS, IEEE TKDE, KAIS, JWS, J.UCS, IJDMMM, ICTAI, and IJCAI). He has also served as a guest editor in international journals, as an organizer and chair of an international workshop (i-SEEK), and a co-organizer of an Ontology Alignment Evaluation Initiative (OAEI) contest track in 2011. He also served as co-chair of Semantic Web track of EUSPN-2016 conference. In Nov. 2011 he has been selected among 222 candidates world-wide and awarded an one-year ERCIM "Allain Bensoussan" fellowship at post-doctorate level, working on 'Semantic interoperability in smart environments/IoT' at VTT Technical Research Centre of Finland. Finally, he has been participating in ERCIM Research Exchange and ERASMUS LLP-teaching programs (Poland-University of Zielona Góra, Austria-TUW@DIS group, Switzerland-UZH@DDIS group). He has also participated in several national and international projects, including among them, Grid4All (FP7, 2008), iCore (FP7, 2012), Internet of Things (Finnish Tivit/Tekes, 2012), AMINESS (Greek, Research & Technology General Secretary. 2014), datAcron (H2020). Since Feb. 2013 he is working (part-time) for the University of Piraeus (Digital Systems Dept.) as a post-doctoral research scientist (Semantic Web position at AI-Lab). In Jan. 2018 he was also affiliated to the University of Houston, TX, at the Dept. of Computer Science (CBL). **Currently he is a full-time assistant professor at the University of the Aegean, Dept. of Cultural Technology and Communication, member of the Intelligent Systems Lab.**

Teaching keywords: AI (info. retrieval, knowledge engineering, semantic web, ontologies), Software Engineering (OO development, (semantic) Web development, Mobile apps), Data Science (semantic data management), Internet/Web of Things (modeling, interoperability).

Research keywords: Knowledge/Ontology Engineering, Semantic Web and applications, Semantic Data management (RDFization, alignment, integration, visualization), Semantic Interoperability in IoT, Ontology-Based Data Access and Integration, Linked Data.

Technical keywords: Ontology Alignment Framework, JENA, OWL API, Linked Open Data, Java, XML, XSD, XSLT, RDF, OWL, SPARQL, OWL-S, SAWSDL, C#, HTML, CSS, WordPress, Joomla.

Memberships/Awards: Hellenic Society of Artificial Intelligence, ERCIM "Allain Bensoussan" fellowship at post-doc level (VTT Technical Research Center of Finland, 2011-12), EU

1. Personal Details

Name: Konstantinos

Last Name: Kotis

Birth Date: 5-03-1973

Birth Place: Samos, Greece

Nationality: Greek

Languages: Greek (native), English (fluent), German (basic)

Marital Status: Married, 2 children

Home Address: ROIKOU 2, 83100 – SAMOS, Greece

Phone: +30 6974822712

E-mail: kotis@aegean.gr, kotis.kostas@gmail.com

Web Page: http://ai-group.ds.unipi.gr/kotis

Skype: kotis_konstantinos

LinkedIn: http://gr.linkedin.com/in/kotis

Twitter: https://twitter.com/KotisK

Social Interests: DAS Street Fighting, Shooting club, Snorkeling, Improvising own recipes for healthy lunch, playing guitar and bouzouki (Greek traditional organ), sailing

2. Studies

2.1 Higher Education

- (2000-2005) PhD in Information Management, Department of Information and Communications Systems Engineering, University of the Aegean, Greece. (Grade: "Excellent")

  PhD title: "Design and Implementation of collaborative and human-centered ontology engineering environments".

  Supervisor: Prof. George A. Vouros, University of the Aegean.

  Research outcomes: state-of-the-art human-centered collaborative ontology engineering methodology (HCOME) and a prototype system.

- (1992-1995) Bachelor degree (BSc Hons) in Computation, University of Manchester Institute of Science and Technology, UK. (Class 2:2).

- (1990-1992) College Degree in Computation, KORELKO college, Athens, Greece

2.2 Seminars

- (11/2015) Training in Management of Departments, National Centre for Public Administration and Local Government (EKDDA), Samos (5 days)

- (10/2015) 3rd GCC Seminar: A Cyber Crime Centre of Excellence for Training, Research and Education in Greece (Ministry of Internal Affairs), Athens (2 days)

- (11/2014) Advanced Training in eLearning (for tutors), National Centre for Public Administration and Local Government (EKDDA), Athens (2 weeks)
- (02/2013) e-Government and Citizens, National Centre for Public Administration and Local Government (EKDDA), Athens (5 days)
- (10/2012) ERCIM ABCDE Seminar II, Marie-Curie Action, Sophia Antipolis, INRIA, FR (2 days)

3. Professional appointments

3.1 Recent appointments

3.1.1 (2018 - today) Assistant Professor, Dept. of Cultural Technology and Communication, University of the Aegean

- Full time assistant professor and member of the Intelligent Systems Labs (Lesvos island, Greece).

3.1.2 (late 2017 – early 2018) Sr. Researcher, Dept. of Computer Science, University of Houston

- Research, management and students' supervision at Computational Biomedicine Lab (CBL), and Borders, Trade and Immigration (BTI) Institute.

3.1.3 (2016 - 2018) Lectureship, Postgraduate Program, Department of Digital Systems, University of Piraeus, Greece (part-time)

- Web Applications (HTML/WordPress, XML, RDF) course at e-Learning Postgraduate Program

3.1.4 (2013 - today) Research Associate, AI Lab, Department of Digital Systems, University of Piraeus, Greece (part-time)

- Research on semantic data management (RDFization, alignment, integration of data using semantic technologies), semantic interoperability and trust in smart environments/IoT, and Ontology-Based Data Access (OBDA) and Integration.
- Research projects (e.g. national project AMINESS, H2020 project datACRON) and proposals' preparation for H2020 (Cyber-Physical Systems, IoT and Big Data).
- Lecturing at Postgraduate level (Course: Web Applications).

3.1.5 (2000 – 2018) Head of IT dept., North Aegean Region Administrative Authorities (NARA), Samos, Greece (full-time)

- IT management
- Development projects' management
- Software/Web Sites development (WordPress, Joomla), Open Linked Data (D2RQ OBDA platform, SPARQL, RDF)

3.2 Past appointments

3.2.1 (20011-12) Post-Doc Researcher at VTT, Finland (ERCIM fellowship, Marie Curie and ABCDE program)

- One year research program on 'semantic interoperability and smart environments'. The goal of the research program was to propose methods for automatically aligning smart entities (devices and software) in the Semantic Web of Things.

3.2.2 (2006-2010) Lecturer/Researcher Department of Information and Communications Systems Eng., University of the Aegean

3.2.2.1 Lectureship (2009 -2010)

- "Software Engineering" course in the Graduate School of the Department of Information and Communications Systems Eng., University of the Aegean

- "Knowledge Engineering" course in the Graduate School of the Department of Information and Communications Systems Eng., University of the Aegean

- "Ontologies and the Semantic Web" course in the Postgraduate School of the Department of Information and Communications Systems Eng., University of the Aegean

3.2.2.2 Lectureship (2008 - 2009)

- "Software Engineering" course in the Graduate School of the Department of Information and Communications Systems Eng., University of the Aegean

- "Knowledge Engineering" course in the Graduate School of the Department of Information and Communications Systems Eng., University of the Aegean

- "Ontologies and the Semantic Web" course in the Postgraduate School of the Department of Information and Communications Systems Eng., University of the Aegean

3.2.2.3 Assistant Professorship (2007 - 2008)

- "Ontologies and the Semantic Web" course in the Postgraduate School of the Department of Information and Communications Systems Eng., University of the Aegean

- "Databases" course in the Graduate School of the Department of Information and Communications Systems Eng., University of the Aegean

3.2.2.4 Lectureship (2006 - 2007)

- "Software Engineering" course in the Graduate School of the Department of Information and Communications Systems Eng., University of the Aegean

- "Ontologies and the Semantic Web" course in the Postgraduate School of the Department of Information and Communications Systems Eng., University of the Aegean

3.2.3 (2005-2006) Post-Doc Researcher, Ai-Lab, Department of Information and Communications Systems Engineering, University

of the Aegean

- Research in "Knowledge Representation and Resource Description Languages", Postgraduate Studies Department, Department of Information and Communications Systems Eng., University of the Aegean (Research and Lecturing activities).

- Design and implementation of an Ontology Mapping tool (AUTOMS: AUTomated Ontology Mapping through Synthesis of approaches)

- Participation in the design and Implementation of AUTOMS-F: Framework for AUTomated Ontology Mapping through Synthesis of approaches

- Participation in the Ontology Alignment Evaluation Initiative (OAEI) 2006 Contest, evaluating AUTOMS tool (4th place among 10 participants) and presentation of results in Ontology Matching International Workshop, Atlanta USA, 2006

- Invited Lectures in "Ontologies and Schema Languages on Semantic Web**",** Postgraduate Course, Department of Information and Communications Systems Eng., University of the Aegean

4. Participation in Research Projects

- datACRON: Big Data Analytics for Time Critical Mobility Forecasting, H2020 project
    - o Role(s): proposal preparation
    - o Period: 2016-2019

- AMINESS: "Analysis of Marine Information for Environmentally-Safe Shipping", Greek General Secretariat for Research and Technology (GSRT) (Link: http://aminess.eu/)
    - o Role(s): research and development
    - o Period: 2013-2015

- S3-AI project: "Single-Site Semantic Application Integration", NARA/UPRC collaboration project (Link: http://eupalinos.samos.gr/eGovTicketApp.xhtml)
    - o Role(s): research and development
    - o Period: 2013-2014

- PREMARPOL: "Prevention and Combating of Marine Pollution in Ports and Marinas", INTERREG III project (Link: http://www.oceanography.ucy.ac.cy/pages/premarpol/ and http://www.greece-cyprus.eu/index.php?option=com_projects&view=item&id=31&Itemid=3)
    - o Role(s): management
    - o Period: 2012-2014

- iCore: "Empowering IoT through Cognitive Technologies", FP7 project (Link: http://www.iot-icore.eu/)
    - o Role(s): research and development
    - o Period: 2011-2012

- Internet of Things, Finnish TEKES project: (Link: http://www.internetofthings.fi/proj)
    - o Role(s): research and development

- o Period: 2011-2012
- "Usefil: Unobtrusive Smart Environments for Independent Living", FP7 project (http://usefil.eu/)
  - o Role(s): research
  - o Period: 2011-2012
- "OntoSum: Ontology Management and exploitation for text summarization". Project code: 1576, University of the Aegean, Research Funding Committee of Greece.
  - o Role(s): research and development
  - o Period: 2006-2008
- "Grid4All: democratize the Grid" Project no. 034567, Specific Targeted Research Project (STREP) IST project, FP6
  - o Role(s): research
  - o Period: 2006-2008
- "HCONE: Design and Development of a Human-centered collaborative ontology engineering tool", project code: 1552, University of the Aegean, Research Funding Committee of Greece.
  - o Role(s): research and development
  - o Period: 2005 (1 year)
- "PROMETHEUS: Development of a Bilingual Browser (BILIB) for the exploration of Terminological Knowledge Bases", University of the Aegean, Research Funding Committee of Greece.
  - o Role(s): research and development
  - o Period: 2000 (1 year)

5. Scholarly and Scientific Activities

5.1 Invited Talks, Presentations, Posters
- Invited talk in "IoT meets AI: Technologies and Perspectives", University of the Aegean, AI-Lab, Samos May 2016.
- Invited talk in "Sem. Interoperability in IoT", Ontology Summit 2015 (http://ontolog-02.cim3.net/wiki/ConferenceCall_2015_03_05)
- Invited talk (in Greek) in "Ontology Engineering" , University of the Aegean, Ai-Lab, Samos, Dec. 2013
- Invited talk in "Semantic Interoperability on the Internet of Things", University of the Aegean, Ai-Lab, Samos, May 2013
- Presentation in "Ontology Alignment for IoT interoperability", IoT project review meeting (TEKES, FI), 2012
- Presentation in "AUTOMSv2 and ASE tools for OAEI 2012", OM Workshop, ISWC 2012, Boston, 2012
- Presentation in "Semantic Interoperability in iCore project", IERC AC4 Semantic interoperability Workshop – 19&20th of June 2012, IoT-Week, Venice, 2012
- Invited talks in "Ontology Eng. in the Semantic Web era", Knowledge Engineering and Semantic Web postgraduate program at University of the Aegean, Samos, 2010
- Invited talks in "Ontology Eng. in the Semantic Web era", Knowledge Engineering Summer School, Samos, July 2008

- Invited talks in "Ontologies and Schema Languages on Semantic Web", University of the Aegean, Ai-Lab, Samos, 2005
- Invited talks in "Ontology Engineering: Tools and Methodologies for constructing and managing ontologies", University of the Aegean, Ai-Lab, Samos, Dec. 2004
- Invited talks in "Knowledge Management and Organizational Memories", University of the Aegean, Ai-Lab, Samos, June 2001

5.2 Reviewing responsibilities

Editorial board membership

- Journal of Internet of Things and Cyber-Assurance (IJITCA)
- International Journal of Data Mining, Modeling and Management (IJDMMM)

Review papers in journals:

AI Review journal, IEEE Intelligent Systems and in IEEE TKDE, KAIS (Knowledge and Information Systems) Journal, Journal of Web Semantics (JWS), J.UCS - Special Issue in "Ontologies and their Applications", Encyclopedia of Data Warehousing and Mining - 2nd Edition.

Review papers in conferences:

International Conference on Emerging Ubiquitous Systems and Pervasive Networks (EUSPN 2016), International Joint Conference of AI 2015, ANT 2015, KSEM 2014-2015, AAAI-15, ICTAI-2014, The First International Workshop on Extending Seamlessly to the Internet of Things (esIoT-2012), International Conference on Complex, Intelligent, and Software Intensive Systems (CISIS), IADIS conference on WWW/Internet, IEEE International Conference on Tools with Artificial Intelligence (ICTAI), Workshop of Ontologies And Their Applications (Brazil), AI Conference, SGAI International Conference on Innovative Techniques and Applications of Artificial Intelligence (Cambridge, UK), Workshop of Ontology Alignment and Visualization (OnAV08), World Summit on the Knowledge Society, Workshop on Community- based Evolution of Knowledge-intensive Systems (COMBEK), International Symposium on Information Technologies in Environmental Engineering.

5.3 Thesis/Dissertation Supervision
- "Semantic Information System for the trading of resources and services", MSc thesis

- "Semantic Matchmaking of WSDL Web Services", MSc thesis

- "Automatic Multiple-Choice Questions construction using domain ontologies", MSc thesis

- "Semantic Web Portal Technology: a case study using MScProgram.owl ontology"

- "Semantic Wikis for Web-based Collaborative Ontology engineering"

5.4 Other Academic and professional activities

- Co-chair of International Conference on Emerging Ubiquitous Systems and Pervasive Networks, "Semantic Web" Track, EUSPN 2016 London

- Chair of the 1sth International Workshop in "Intelligent Systems for Environmental (Knowledge) Engineering and EcoInformatics" (i-SEEK'09)
- Co-organizer of OAEI contest 2011 track 'Oriented Matching'
- Vocational training teacher - EKEPIS Certified Trainer in IT since 2001, Greece
- High School teacher in IT, 1997-1999, Samos, Greece

6. List of publications

6.1 In Journals

1. Kotis, K., I. Athanasakis, and G. A. Vouros, "Semantically Enabling IoT Trust to Ensure and Secure Deployment of IoT Entities," Int. J. of Internet of Things and Cyber-Assurance, vol. 1, issue 1: Inderscience, pp. 3-21, 2018.

2. Santipantakis, G., K. Kotis, and G. A. Vouros, "OBDAIR: Ontology-Based Distributed framework for Accessing, Integrating and Reasoning with data in disparate data sources", Expert Systems with Applications, vol. 90, pp. 464 - 483, 2017

   Impact factor: **3.928** (AIF, 2016/7) *

3. Kotis, K., and A. Katasonov, "Semantic Interoperability on the Internet of Things: The Semantic Smart Gateway Framework," International Journal of Distributed Systems and Technologies (IJDST), vol. 4, issue 3, pp. 47-69, 07/2013

   Impact factor: **0.62** (AIF, 2012) *

4. Kotis, K., A. Papasalouros, G. A. Vouros, N. Pappas, and K. Zoumpatianos, "Enhancing the Collective Knowledge for the Engineering of Ontologies in Open and Socially Constructed Learning Spaces," Journal of Universal Computer Science, vol. 17, issue 12, pp. 1710—1742, 2011

   Impact factor: **0.401** (2013/14) **

5. K. Kotis, A. Papasalouros, E. Maragkoudakis, "Mining Query Logs for Learning Useful Ontologies: an Incentive to SW Content Creation," International Journal for Knowledge Engineering and Data Mining (IJKEDM), vol. 1, issue 4, pp. 303-330, 2011

   Impact factor: NA

6. S. Karetsos, D. Charalampopoulos, K. Kotis, "An Ontology-based framework for Authoring Tools in the Domain of Sustainable Energy Education," International Journal of Agricultural and Environmental Information Systems (IJAEIS), Special issue on Intelligent Systems for Engineering Environmental Knowledge, vol. 2, issue 1, 2011

   Impact factor: NA

7. *A.* Papasalouros, K. Kotis, K. Kanaris, "Automatic generation of tests from domain and multimedia ontologies," Interactive Learning Environments journal, Special issue on "Semantic Technologies for Multimedia-enhanced Learning Environments", vol. 19, issue 1: Taylor & Francis, pp. 5-23, 2011

Impact factor: **0.750** (2013/14) **

8. G. Vouros, A. Papasalouros, K. Tzonas, A. Valarakos, K. Kotis, P. Valduriez, P. Lamarre, H. Quiané-Ruiz, *"A Semantic Information System for Services and Traded Resources in Grid e-Markets,"* Future Generation Computer Systems, Elsevier, Vol. on-line, April 2010

   Impact factor: **2.639** (2013/14) **

9. A. Papasalouros, K. Kotis, N. Nikitakos, "Towards an Intelligent tutoring system for Environmental Decision Makers," *Environmental Engineering and Management Journal (EEMJ)*, Special Issue on Artificial Intelligence Applications in Environmental Protection, Technical University of Iasi, Vol. 9, No. 2, pp. 197-204, 2010

   Impact factor: NA

10. M. Lanzenberger, J. Sampson, H. Kargl, M. Wimmer, C. Conroy, D. O'Sullivan, D. Lewis, R. Brennan, J. Ángel R. Gargantilla, A. Gómez-Pérez, F. Fürst, F. Trichet, J. Euzenat, A. Polleres, F. Scharffe, K. Kotis, "Making Ontologies Talk: Knowledge Interoperability in the Semantic Web," IEEE Intelligent Systems vol. 23, no. 6, pp. 72-85, 2008

    Impact factor: **1.92** (2013/14) **

11. G.A. Vouros, A. Papasalouros, K. Kotis, A. Valarakos, K. Tzonas, X. Vilajosana, R. Krishnaswamy, N. Amara-Hachmi, *"The Grid4All ontology for the retrieval of traded resources in a market-oriented Grid,"* Special issue on Web/Grid Information and Services Discovery and Management, Int. J. Web and Grid Services, vol. 4, no. 4, pp. 418-439, 2008

    Impact factor: **1.579** (2013/14) **

12. V. Spiliopoulos, K. Kotis, G. A. Vouros, *"Semantic retrieval and ranking of SW documents using free-form queries,"* Int. J. Metadata, Semantics and Ontologies, vol. 3, no. 2, pp. 95-108, 2008

    Impact factor: NA

13. K. Kotis, G. A. Vouros, K. Stergiou, "Towards Automatic Merging of Domain Ontologies: The HCONE-merge approach," Journal of Web Semantics (JWS), Elsevier, vol. 4, no.1, pp. 60-79, 2006 (Published Online First: 19 Okt. 2005)

    Impact factor: **1.377** (2013/14) **

14. K. Kotis and G. A. Vouros, "Human-Centered Ontology Engineering: the HCOME Methodology," International Journal of Knowledge and Information Systems (KAIS," vol. 10, no. 1, pp.109-131, 2006 (Published Online First: 9 Sept. 2005)

    Impact factor: **2.639** (2013/14) **

15. G. A. Vouros, E. Eumeridou, P. Tselios, K. Kotis, "Multilingual, Ontology-driven, Content-based Search and Retrieval of Information Items," Journal of Applied A.I., vol.19, no. 7, pp. 691-719, 2005

Impact factor: **0.**402 (2013/14) *

6.2 In Books

1. K. Kotis and A. Papasalouros, "Automated Learning of Social Ontologies," Ontology Learning and Knowledge Discovery Using the Web: Challenges and Recent Advances, Wilson Wong; Wei Liu; Mohammed Bennamoun: IGI-Global, pp. 227-246 pp., 2011
2. K. Kotis and A. Papasalouros, "Learning of Social Ontologies in WWW: Key Issues, Experiences, Lessons Learned, and Future Directions," Applied Semantic Technologies: Using Semantics in Intelligent Information Processing, Vijayan Sugumaran and Jon Atle Gulla: Taylor & Francis, 2010
3. K. Kotis and G. A. Vouros, "Ontological tools: Requirements, Design Issues and Perspectives," Theory and Applications of Ontology (TAO), vol. Volume 2: Computer Applications: Springer, 2010
4. G. A. Vouros, A. Papasalouros, K. Kotis, A. Valarakos, K. Tzonas, S. Retalis, and R. Krishnaswamy, "Semantic discovery of resources and services in democratized grids," Handbook of Research on Social Dimensions of Semantic Technologies and Web Services, M. Manuela Cunha, Eva Oliveira, Antonio Tavares & Luis Ferreira (Eds.), Information Science Reference, ISBN: 978-1-60566-650-1, 2009
5. K. Kotis, "Semantic Web Search: perspectives and key technologies," Encyclopaedia of Data Warehousing and Mining, 2nd Edition. John Wang (Ed.) Idea Group, 2008
6. K. Kotis and G. A. Vouros, "Semantic Integration and Interoperability among Portals," Encyclopaedia of Portal Technology and Applications. Arthur Tatnall (Ed.) Hershey, PA: Idea Group, 2007

6.3 In Conferences

1. K. Kotis, and G. A. Vouros, "Trust Semantics in IoT Entities' Deployment," in Proc. Workshop on Artificial Intelligence and Internet of Things (AI-IoT), 9th Hellenic Conference on Artificial Intelligence (SETN 2016), 05/2016.
2. G. Santipantakis, K. Kotis, and G. A. Vouros, "Accessing and Reasoning with Data from Disparate Data Sources Using Modular Ontologies and OBDA," in Proc. SEMANTiCS, 2015.
3. G. Santipantakis, K. Kotis, and G. A. Vouros, "Ontology-Based Data Integration for Event Recognition in the Maritime Domain", in Proc. The 5th International Conference on Web Intelligence, Mining and Semantics (WIMS'15): ACM, 2015.
4. G. Santipantakis, K. Kotis, and G. A. Vouros, "Ontology-based Data Sources' Integration for Maritime Event Recognition," in Proc. 1st Workshop on Modeling, Computing and Data Handling for Marine Transportation (MCDMT 2015), The 6th International Conference on Information, Intelligence, Systems and Applications (IISA2015), Corfu, Greece, 2015
5. K. Kotis, A. Katasonov, and J. Leino, "ASE results for OAEI 2012," in Proc. Seventh International Workshop on Ontology Matching, ISWC 2012, Boston, CEUR-WS, 11/2012.

6. K. Kotis, A. Katasonov, and J. Leino, "AUTOMSv2 results for OAEI 2012," in Proc. Seventh International Workshop on Ontology Matching, ISWC 2012, Boston, CEUR-WS, 11/2012

7. K. Kotis, A. Katasonov, and J. Leino, "Aligning Smart and Control Entities in IoT," in Proc. 12th International Conference, NEW2AN 2012 and 5th Conference on Internet of Things and Smart Spaces, ruSMART 2012, LNCS 7469, Springer, pp. 39-50, St. Petersburg, 2012

8. K. Kotis & A. Katasonov, "Semantic Interoperability in the Web of Things: The Smart Gateway Framework," in Proc. 5th International Workshop on Frontiers in Complex, Intelligent and Software Intensive Systems, CISIS 2012, Palermo, Italy, 2012

9. K. Zoumpatianos, A. Papasalouros, and K. Kotis, "Semantic Web Rules for Automated Assessment in Intelligent Tutoring Systems," in Proc. The 24th Florida Artificial Intelligence Research Society Conference (FLAIRS-24), Special Track on Ontologies and Social Semantic Web for Intelligent Educational Systems (SWEL), Florida, USA, 2011

10. K. Kotis, P. Alexopoulos, and A. Papasalouros "Towards a Framework for Trusting the Automated Learning of Social ontologies," in Proc. Knowledge Science, Engineering and Management (KSEM), Belfast, 2010

11. G. Anadiotis, P. Alexopoulos, K. Mpaslis, A. Zosakis, K. Kafentzis, and K. Kotis, "Facilitating Dialogue - Using Semantic Web Technology for eParticipation," in Proc. Extended Semantic Web Conference (ESWC), Crete, 2010

12. K. Kotis, A. Papasalouros,"Learning useful kick-off ontologies from Query Logs," in Proc. 4th international conference CISIS, Krakow, 2010

13. K. Kotis, A. Papasalouros, M. Maragoudakis, "Mining Web queries to boost semantic content creation," in Proc. IADIS conference WWW/Internet, Rome 2009

14. K. Kotis, A. Papasalouros, G. A. Vouros, et al, "e-Class in Ontology Engineering: integrating Ontologies to Argumentation and Semantic Wiki technology," in Proc. Workshop on Intelligent and Innovative Support for Collaborative Learning Activities (WIISCOLA), 8th International Conference on Computer Supported Collaborative Learning, Rhodes, 2009

15. K. Kotis, A. Papasalouros, N. Nikitakos, "Supporting Decision Making in Maritime Environmental Protection with a Knowledge-based Education and Awareness Approach," in Proc. Artificial Intelligence Applications in Environmental Protection Workshop, collocated with 5th IFIP Conference on Artificial Intelligence Applications and Innovations (AIAI) 23-25 April, Thessaloniki, Greece, 2009

16. G. A. Vouros, A. Valarakos, and K. Kotis, "Uncovering WSDL Specifications' Data Semantics," in Proc. 2nd International Workshop on Service Matchmaking and Resource Retrieval (SMR2), International Semantic Web Conference (ISWC 2008), Germany, 2008

17. G. A. Vouros, F. Dimitrokalis, and K. Kotis, "Look Ma, No Hands: Supporting the semantic discovery of services without ontologies," in Proc. 2nd International Workshop on Service Matchmaking and Resource Retrieval (SMR2), International Semantic Web Conference (ISWC 2008), Germany, 2008

18. K. Kotis, "On Supporting HCOME-3O Ontology Argumentation using Semantic Wiki Technology," in Proc. OTM 2008 Workshops, Springer-Verlag Berlin Heidelber, LNCS 5333, pp. 193–199, 2008

19. A. Papasalouros, K. Kotis, K. Kanaris, "Automatic generation of multiple-choice questions from domain ontologies," in Proc. IADIS e-Learning 2008 (eL 2008) conference, Amsterdam, 2008

20. K. Kotis and Monika Lanzenberger, "Ontology Matching: current status, dilemmas and future challenges," in Proc. Ontology Alignment and

Visualization Workshop (OnAV08), CISIS 2008 Conference, IEEE Computer Society, 2008

21. K. Kotis, G. A. Vouros, A. Valarakos, A. Papasalouros, K. Tzonas, X. Vilajosana, R. Krishnaswamy, N. Amara-Hachmi, "The Grid4All ontology for the retrieval of traded resources in a market-oriented Grid," in Proc. Web/Grid Information and Services Discovery Workshop, CISIS 2008 Conference, IEEE Computer Society, 2008

22. G. A. Vouros, K. Kotis, C. Chalkiopoulos, N. Lelli, "The HCOME-3O Framework for Supporting the Collaborative Engineering of Evolving Ontologies," in Proc. ESOE 2007 International Workshop on Emergent Semantics and Ontology Evolution, International Semantic Web Conference (ISWC 2007), November 12th, Busan, Korea, 2007

23. A. Valarakos, V. Spiliopoulos, K. Kotis, G. Vouros, "AUTOMS-F: A Java Framework for Synthesizing Ontology Mapping Methods," in Proc. I-KNOW 2007 Conference, Special Track on Knowledge Organization and Semantic Technologies 2007 (KOST '07), Graz, September 2007

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