

Dr. Mohammad AL-Smadi

Citizenship: Jordanian • Date of birth: 25 July 1980

Contact

Mobile: +962-791315093

e-mail: smadi.mohammad@gmail.com

Address

Computer Science Department
Faculty of Computer & Information Technology
Jordan University of Science and Technology
P.O.B: 3030 Irbid 22110, JORDAN

Profile

Short Biography Dr. Mohammad AL-Smadi (PhD) is an Assistant Professor at Jordan University of Science and Technology (JUST), Jordan. Before joining JUST in February 2014 he was a postdoctoral researcher at the Center for Educational Technology, Tallinn University. Dr. AL-Smadi holds a Doctoral degree in Engineering Studies (Computer Science) from Graz University of Technology with distinction, 2012. His research interests include Human-Computer Interaction, Technology Enhanced Learning, Social and Semantic Computing, and Information Search and Retrieval. Dr. AL-Smadi has participated in EC-Funded Projects and in some other national and internal research projects, e.g. the Learning Layers project –large scale project - applying his experience in the R&D of the Social Semantic Services to provide Meaningful Learning at workplace. He has published over 35 scientific publications in peer-reviewed journals, and conferences and earned an outstanding paper award (CAA2012 conference) and a best paper award (MIPRO2009 conference).

Availability From February, 2016

Key Skills and Expertise

Proficient or familiar with a vast list of programming languages, concepts and technologies, including:

.NET Framework (C#, vb)
PHP, JavaScript

ASP.Net
SQL Server, MySQL

Windows, UNIX
Oracle

Mono,
Network fundamentals

Other Skills

Higher Education
Semantic Web

e-Learning
Web 2.0

Project Management
Serious Games

Scientific Writing
Social Media

Education

2008 – 2012 **Doctoral Studies in Computer Science “Ph.D.” with distinction**
Graz University of Technology, Graz-Austria

2004 to 2007 **Master in Computer Science (May 2007) - “M.Sc.” V. Good**
University of Jordan, Amman-Jordan

Work Experience

Jordan University of Science and Technology
Department of Computer Science

Assistant Professor
February 2014 - Now

Tallinn University
Center for Educational Technology

Post Doc Researcher
2013 - 2014

Graz University of Technology

Research Associate
2010 - 2012

Research Interests

- ✓ Human-Computer Interaction
- ✓ Information retrieval and visualization
- ✓ Natural Language Processing
- ✓ e-Education and e-Assessment
- ✓ Immersive Virtual Worlds for e-Education and Knowledge Transfer
- ✓ Social and Semantic Computing

Projects**Learning Layers**

- ✓ Scaling up Technologies for Informal Learning in SME Clusters. [<http://learning-layers.eu>]

2012 - 2016

ALICE Project

- ✓ ALICE is a project co-funded by the European Commission under the 7th Framework Programme. [www.aliceproject.eu]

2010 – 2012

nDiVE Project

- ✓ Authentic Training Environment in Logistics & Supply Chain Management. [<http://www.ndive-project.com>].

2013 - 2014

SOFIA

- ✓ Service-Oriented Flexible and Interoperable eAssessment.
- ✓ Standards and Specifications such as IMS QTI and SCORM.
- ✓ E-Assessment Tools Interoperability.

2008 – 2012

Honor and Awards

- ✓ Best paper award MIPRO 2009 (Conference Computers in Education).
- ✓ Commended best paper award CAA 2012 (Computer Assisted Conference), UK.

Teaching Experience**Jordan University of Science and Technology**

2014 - present

Main Instructor

- ✓ CS766-Expert Systems
- ✓ CS722-Natural Language Processing
- ✓ CS789-Seminar in Advanced Computer Science Topics
- ✓ CS318-Human Computer Interaction
- ✓ CIS302-Fundamentals of Multimedia

Tallinn University

2013 - 2014

Main Instructor

- ✓ User Modeling & Recommender Systems

- ✓ Semantic Computing

Graz University of Technology

Teaching Assistant

2008 - 2010

- ✓ Information Search and Retrieval
- ✓ Project Management (Software Engineering)

Supervision Experience

2008 – 2012

- ✓ 2 Masters theses successfully co-supervised
- ✓ 3 Bachelor Projects successfully supervised

External Professional Activities

Chair and Organizational Committees

- ✓ ICICS2016: The 7th International Conference on Information and Communication Systems Co-chair of Track 4 : E-Learning, E-Government, E-Health
- ✓ BDSN-2015: 3rd IEEE/ACM International workshop on Big Data and Social Networking Management and Security Workshop Co-Chair
- ✓ iLRN 2015 - 2016: Immersive Learning Research Network 2016 International – Middle East Co-Chair
- ✓ AICCSA 2015: The 12th ACS/IEEE International Conference on Computer Systems and Applications chair of Track 4 : E-Learning, E-Government, E-Health
- ✓ TEFA 2013: Workshop on Technology-Enhanced Formative Assessment 2013, EC TEL2013, Paphos, Cyprus. Co-organizer
- ✓ International Workshop on Virtual Worlds for academic, organizational, and life-long learning (ViWo). Organizational member, since 2009
- ✓ International Special Track on Computer-based Knowledge & Skill Assessment and Feedback in Learning Settings (CAF). Co-chair, since 2008

Program Committee and Reviews

- ✓ ACM CHI, 2014 Conference on Human Factors in Computing Systems – Reviewer.
- ✓ IEEE Transactions on Learning Technologies 2014 - Special Issue EC-TEL2013 , Journal
- ✓ Ideas in Mobile Learning Symposium, 6th - 7th March 2014, Watershed, Bristol UK, Conference, United Kingdom
- ✓ CoGames at the 2014 International Conference on Collaboration Technologies and Systems (CTS 2014), Conference, U.S.A
- ✓ European Immersive Education Summit 2014, Conference, Austria

- ✓ 9th European Conference on Technology Enhanced Learning, Conference, Austria
- ✓ Educational Technology & Society - Special Issue Assessment 2014, Journal
- ✓ The 14th IEEE International Conference on Advanced Learning Technologies (ICALT2014), Conference, Greece
- ✓ EC-TEL, 2013 - 2015 (The European Conference on Technology Enhanced Learning) - Program Committee
- ✓ ICL (International Conference on Interactive Computer Aided Learning) – Program Committee
- ✓ IEEE TALE2012, 2013 (International Conference on Teaching, Assessment and Learning for Engineering) – Reviewer.
- ✓ IEEE INCoS 2009 and 2010 (2nd International Conference on Intelligent Networking and Collaborative Systems) - Program Committee.

Selected Publications

Social and Semantic Computing (NLP, ML, ISR)

- ✓ M. Al-Smadi et al., "Using aspect-based sentiment analysis to evaluate arabic news affect on readers," in 8th IEEE/ACM International Conference on Utility and Cloud Computing, 2015.
- ✓ I. Obaidat et al., "Enhancing the determination of aspect categories and their polarities in arabic reviews using lexicon-based approaches," in AEECT. IEEE, 2015.
- ✓ Al-Smadi, M.; Qawasmeh, O.; Talafha, B.; Quwaider, M., "Human Annotated Arabic Dataset of Book Reviews for Aspect Based Sentiment Analysis," in Future Internet of Things and Cloud (FiCloud), 2015 3rd International Conference on , vol., no., pp.726-730, 24-26 Aug. 2015. doi: 10.1109/FiCloud.2015.62
- ✓ Mohammad Al-Smadi, Bashar Talafha, Omar Qawasmeh, Mohammed N. Alandoli, Wegdan A. Hussien, and Christian Guetl. 2015. A hybrid approach for Arabic named entity disambiguation. In Proceedings of the 15th International Conference on Knowledge Technologies and Data-driven Business (i-KNOW '15). ACM, New York, NY, USA, , Article 27 , 4 pages. DOI=10.1145/2809563.2809589

Computer Supportive Collaborative Work – Workplace Learning

- ✓ Ley, T., Cook, J., Dennerlein, S., Kravcik, M., Kunzmann, C., Pata, K., Purma, J., Sandars, J., Santos, P., Schmidt, A., Al-Smadi, M. and Trattner, C. (2014), Scaling informal learning at the workplace: A model and four designs from a large-scale design-based research effort. *British Journal of Educational Technology*, 45: 1036–1048. doi: 10.1111/bjet.12197
- ✓ Tomberg, V.; AL-Smadi, M.; Treasure-Jones, T.; Ley T. (2013). A Sensemaking Interface for Doctors' Learning at Work: A Co-Design Study Using a Paper Prototype. *ECTEL meets ECSCW 2013: Workshop on Collaborative Technologies for Working and Learning*, Sept. 21, 2013, Cyprus pp. 54 – 58.

Technology Enhanced Learning (e-Assessment: Framework, Standards, Web services)

- ✓ Mohammad Al-Smadi (2015) *GAMEDUCATION: Using Gamification Techniques to Engage Learners in Online Learning, Immersive Education*, p.85--97, Springer.
- ✓ Wesiak G., AL-Smadi M., & Gütl, C.(2012).Towards an Integrated Assessment Model for Complex Learning Resources: Findings from an Expert Validation. 15th International Conference on Interactive Collaborative Learning and 41st International Conference on Engineering Pedagogy, Villach, Austria· 26-28 September 2012.
- ✓ AL-Smadi M., Wesiak G., & Gütl, C.,(2012).Assessment in Serious Games: An Enhanced Approach for Integrated Assessment Forms and Feedback to Support Guided Learning, 15th International Conference on Interactive Collaborative Learning and 41st International Conference on Engineering Pedagogy, Villach, Austria· 26-28 September 2012.
- ✓ Wesiak G., AL-Smadi M., & Gütl, C (2012). Alternative Forms of Assessment in Collaborative Writing - Investigating the relationships between motivation, usability, and behavioural data. 2012 International Computer Assisted Assessment (CAA) Conference, Southampton, UK 10-11 July 2012.
- ✓ AL-Smadi M., Wesiak G., Gütl, C., Holzinger, A. (2012). Assessment for/as Learning: Embedded Assessment Forms in Complex Learning Resources. Proceedings of the 2nd International Workshop on Adaptive Learning via Interactive, Collaborative and Emotional Approaches (ALICE 2011), The Sixth International Conference on Complex, Intelligent, and Software Intensive Systems (CISIS-2012), 4-6 July, 2012, Palermo, Italy.
- ✓ AL-Smadi M., Höfler, M., & Gütl, C. (2012). Complex Learning Resources Integrated with Emerging

Forms of e-Assessment: an Empirical Study. IEEE International Conference on Advanced Learning Technologies (ICALT 2012), Rome 7-10 July 2012.

- ✓ Höfler, M., AL-Smadi, M., & Gütl, C. (2012). Investigating the suitability of automatically generated test items for real tests. The International Journal of eAssessment, 2(1) [Online]. Available: Doc. No. 26. <http://journals.sfu.ca/ijea/index.php/journal/article/viewFile/27/26>.
- ✓ AL-Smadi, M. and Guetl, C. (2011) 'Service-oriented flexible and interoperable assessment: towards a standardised e-assessment system', *Int. J. Continuing Engineering Education and Life-Long Learning*, Vol. 21, No. 4, pp.289–307.
- ✓ AL-Smadi M., and Guetl C. (2011). Supporting Self-Regulated Learners with Formative Assessments using Automatically created QTI-Questions, Proceedings of IEEE EDUCON Education Engineering 2011 - The Future of Global Learning Engineering Education, April 2 - 6, 2011, Amman, Jordan.
- ✓ Mohammad AL-Smadi, Christian Guetl, and Vanessa Chang (2011). Addressing e-Assessment practices in e-Learning Activities: A Review. Proceedings of Global Learn Asia Pacific 2011-Global Conference on Learning and Technology to be held in Melbourne, Australia, March 28-April 1, 2011.
- ✓ Al-Smadi, M., Guetl, C., & Kappe, F.(2010). Towards an Enhanced Approach for Peer-Assessment Activities. The 10th IEEE International Conference on Advanced Learning Technologies (ICALT) July 5-7, 2010, Sousse, Tunisia.
- ✓ AL-Smadi M., and Guetl C. (2010). SOA-based Architecture for a Generic and Flexible E-assessment System, Proceedings of IEEE EDUCON Education Engineering 2010 - The Future of Global Learning Engineering Education, April 14 - 16, 2010, Madrid, SPAIN.
- ✓ Mohammad AL-Smadi, Christian Gütl and Rajkumar Kannan (2010). Modular Assessment System for Modern Learning Settings: MASS. International Conference on Futuristic Computer Applications, IISc Bangalore, India, March 20-21, 2010.
- ✓ Mohammad AL-Smadi, Christian Gütl and Denis Helic (2009). Using Computers to Enhance Peer-assessment Activities: Towards a Flexible e-Assessment System. Special Track on Computer-based Knowledge & Skill Assessment and Feedback in Learning Settings (CAF 2009), ICL 2009, Villach, Austria, September 2009.
- ✓ Mohammad AL-Smadi, Christian Guetl and Frank Kappe (2009). Peer Assessment System for Modern Learning Settings: Towards a Flexible E-assessment System. MIPRO 2009, May 2009, Opatia, Croatia, pp. 29-34.
- ✓ Al-Smadi, M., & Guetl, C. (2009). Towards a standardized e-assessment system: Motivations, challenges and first findings. International Journal of Emerging Technologies in Learning (iJET), 4, 6-12.
- ✓ Mohammad AL-Smadi, Christian Gütl (2008). Past, Present and Future of e-Assessment: Towards a Flexible e-Assessment System. Special Track on Computer-based Knowledge & Skill Assessment and Feedback in Learning Settings (CAF 2008), ICL 2008, Villach, Austria, September 2008.

Professional Courses

CompuBase Learning Solutions-Training Centre, Jordan

- ✓ 2541: Core Data Access with Microsoft visual studio 2005 [Jul 15, 2007- Jul 19, 2007].
- ✓ 2542: Advanced Data Access with Microsoft Visual studio 2005 [Jul 22, 2007 - Jul 26, 2007]
- ✓ 2543: Core Web Application Technologies with Microsoft Visual studio 2005 [Aug 5, 2007 - Aug 9, 2007]
- ✓ 2544: Advanced Web Application Technologies with Microsoft Visual studio 2005 [Aug 12, 2007 – Aug 17, 2007]

Social Activities & Contact

Skype Mohammad_smadi
Facebook msmadi
Twitter drmsmadi

Languages

Arabic (native)

English (fluent)

German (good)