KNOW Center

Univ.-Prof. Dipl.-Inf. Dr.

STEFANIE **LINDSTAEDT**

Managing & Scientific Director Know-Center GmbH

RESEARCH INTERESTS

Information and knowledge management, professional and community learning, knowledge technologies, soft computing approaches (e.g.,associative networks, machine learning), semantic approaches (e.g., semantic web, semantic services) and human-computer interaction.

SHORT BIOGRAPHY

Univ.-Prof. Dr. Stefanie Lindstaedt is the Head of the Institute for Interactive Systems & Data Science (ISDS) at Graz University of Technology and CEO of Know-Center (www.know-center.at), Austria's leading Research Center for Data-driven business and Big Data Analytics. By annually undertaking more than 50 applied science projects Know-Center effectively bridges the gap between science and industry, already since 2001.

Stefanie has an excellent track record in obtaining EU and Austrian funding (e.g. APOSDLE IP, MATURE IP, MIRROR IP, LAYERS IP, STELLAR NoE, OrganicLingua, EEXCESS, CODE, SemI40, ...) and leading large interdisciplinary research projects and groups.

She has published more than 150 scientific papers in conferences and journals and supervised over 15 of Ph.D. theses. Since 2010 Stefanie is General Chair of the I-Know conference series (www.i-know.at), she acted as Program Chair of EDF 2015 and EC-TEL 2012 conferences.

Stefanie earned her habilitation in Computer Science from Graz University of Technology (Austria), where she has been teaching undergraduate and graduate courses since 2002. She holds an M.S. and a Ph.D. in Computer Science from the University of Colorado at Boulder (USA). Before joining Know-Center, she led various projects at Daimler (Chrysler) Research in Ulm (Germany) and was a product manager for web-globalization services at GlobalSight in Boulder (USA).

Stefanie is an interdisciplinary researcher in the fields of data-driven business and adaptive systems. She has a strong background in computer science, especially artificial intelligence. Her research focus is the integration of data-driven approaches (e.g., machine learning, neural networks) with knowledge-based models (e.g., ontologies, engineering models) and human computer interaction.

On the business side, Stefanie has extensive industry experience in process and technical consulting, solution sales, marketing and organizational development for international companies.

JOB EXPERIENCES

Since 12/2011	CEO, Know-Center GmbH, Austria's Research Center for Data-driven Business, Graz, Austria
Since 10/2011	Director, Institute for Interactive Systems & Data Science, Graz University of Technology, Austria
2001 – 2011	Division Manager (Knowledge Management) at Know-Center GmbH, Graz, Austria.
2000 – 2001	Senior Manager Services Development at GlobalSight, Boulder, USA
1998 – 2000	Researcher and Research Project Manager at DaimlerChrysler, Research & Technology, Ulm, Germany

EDUCATION

10/2010	Habilitation in Computer Science at Graz University of Technology, Austria
	Thesis: Hybrid Knowledge Services for Knowledge Work Support
1993 – 1998	Ph.D. in Computer Science at University of Colorado at Boulder, USA
	Thesis: Group Memories – a Knowledge Medium for Communities of Interest
1991 – 1993	M.S. in Computer Science at the University of Colorado at Boulder, USA
	Thesis: Comparison of two Unsupervised Neural Network Models for Redundancy Reduction

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SELECTED PUBLICATIONS

1. Ley, T., Tammets, K., & Lindstaedt, S.N. (2013): Orchestrating Collaboration and Community Technologies for individual and organisational Learning. Technology Enhanced Professional Learning – Processes, Practices and Tools, Chapter 11, in press.

2. Höfler, P., Granitzer, M., Sabol, V., & Lindstaedt, S.N. (2013): Linked Data Query Wizard: A Tabular Interface for the Semantic Web. Proceedings of European Semantic Web Conference 2013 on Semantics and Big Data (ESWC 2013), Montpellier, France, 26–30 May 2013.

3. Breitwieser, C.; Terbu, O.; Holzinger, A.; Brunner, C.; Lindstaedt, S.; Müller-Putz, G.: iScope – Viewing Biosignals on Mobile Devices. - in: ICPCA SWS 2012, Springer Lecture Notes in Computer Science LNCS 7719. (2013), S. 50 - 56

4. Pammer, V., Kump, B., & Lindstaedt, S.N. (2012): Tag-based algorithms can predict human ratings of which objects a picture shows. Multimedia Tools and Applications, Volume 59.2/2012, 441-462, Springer.

5. Devaurs, D.; Rath, A.; Lindstaedt, S.: Exploiting the User Interaction Context for Automatic Task Detection. in: Applied artificial intelligence 26 (2012) 1-2, S. 58 - 80

6. Kump, B.; Seifert, C.; Beham, G.; Lindstaedt, S.; Ley, T.: Seeing What the System Thinks You Know - Visualizing Evidence in an Open Learner Model. - in: Proceedings of LAK 2012 - Learning Analytics and Knowledge. (2012), S. 153 - 157

7. Stegmaier, F.; Seifert, C.; Kern, R.; Höfler, P.; Bayerl, S.; Granitzer, M.; Kosch, H.; Lindstaedt, S.; Mutlu, B.; Sabol, V.; Schlegel , K.; Zwicklbauer, S.: Unleashing Semantics of Research Data. - in: Proceedings of the Second Workshop on Big Data Benchmarking. (2012) In Press

8. Ley, T.; Seitlinger, P. C.; Schöfegger, K.; Lindstaedt, S.: Community-orientiertes Lernen. - in: CSCL- Kompendium - Lehr- und Handbuch zum computerunterstützten kooperativen Lernen. (2012), S. 271 - 283

9. Lindstaedt, S.; Thurner-Scheuerer, C.: Integrated Learning Systems. - in: Encyclopedia of the Sciences of Learning. (2012), S. 541 - 541

AWARDS

Female Technical Expert of the Month (FEMtech-Expertin des Monats) February 2013, Austria

Top 5 Paper EC-TEL 2010, EU

Best Interdisciplinary Paper Award EC-TEL 2009, EU

APOSDLE chosen as the FFG Reference Project (Austrian Research Promotion Agency), 2009, Austria

Best Paper Award JKM 2008, EU

Top 5 Paper EC-TEL 2008, EU

APOSDLE chosen as the Best Integrated Project on Technology Enhanced Learning, FP6, Call 4, 2006, EU

One-year scholarship for graduate studies at the University of Colorado at Boulder (1991) from Deutscher Akademischer Austauschdienst (DAAD) and Technical University Darmstadt (TUD), Germany.