KNOW Center

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

STEFANIE **LINDSTAEDT**

Managing & Scientific Director Know-Center GmbH

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SHORT BIOGRAPHY

Univ.-Prof. Dr. Stefanie Lindstaedt is the Head of the Institute for Interactive Systems & Data Science (ISDS, ~100 researchers) at Graz University of Technology and CEO of Know-Center (www.know-center.at, ~120 researchers), 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 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 has extensive industry experience in process and technical consulting, solution sales, marketing and organizational development for international companies.

She has published more than 150 scientific papers in conferences and journals and supervised over 40 Ph.D. theses. Since 2010 Stefanie is General Chair of the AI-Know & I-Know conference series (www.i-know.at), she acted as General Chair of EBDVF 2018, Program Chair of EDF 2015 and EC-TEL 2012 conferences. 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.

During the last 15 years Stefanie has been a key figure in turning Know-Center into one of Europe's leading research centers for data-driven business and artificial intelligence (European iSpace Award). Know-Center now employs more than 120 data scientists and computer science researchers and has a yearly budget of about €10 M. It's rapidly growing international network of over 150 scientific organizations and 50 industry partners include Magna, AVL, NXP, Siemens, Infonova (BearingPoint) and Styria Media Group AG. Stefanie has extensive experience in the acquisition and management of applied research and technology transfer projects and infrastructure development. Together with large media partners (e.g., Austrian Press Agency, Bertelsmann, LexisNexis) she has worked on developing technologies and business models for the market exploitation of their content assets and effective utilization of user communities.

Within the last 3 years, Stefanie has spun-off three start-up companies from Know-Center:

Invenium (invenium.io) is utilizing mobile phone data to explore human mobility at scale

e-nnovation (e-nnovation.at) offers digital solutions to make life easier for the elderly

OpenKnowledgeMaps (openknowledgemaps.org) revolutionizes the discovery of scientific knowledge

FUNCTIONS

Spin off Boards: OpenKnowledgeMaps, e-nnovation

Board of Directors: Big Data Value Association (BDVA), Smart Production Graz

Coordinator: Big Data Network Europe (www.big-data-network.eu), BioTechMed Data Integration Taskforce

Advisory Board for Centers: Center for Applied Data Analytics Research (CeDAR, Ireland), Leibnitz Information Center for Economics (ZBW, Germany), Leibnitz Verbundprojekt Forschungsdaten Bildung (VFDB, Germany), CEITER University Tallinn (Estonia)

Advisory Board for Policy Making: Data Intelligence Offensive (DIO), EU Connect Advisory Forum (CAF), EU High Level Interest Group Open Science Cloud (HLEG OSC), Friends of Europe (FOE), Internetoffensive Österreich

Coordinator: Big Data Network Europe, BioTechMed Data Integration Taskforce

Schirmherrin: Circle of Excellence 2017

Steering Committee of Conferences: European Big Data Value Forum, European Data Forum, European Conference on Technology Enhanced Learning, IMAGINE Conference of the Austrian Funding Agency FFG, AI-KNOW & I-KNOW Conference Series

Member: Labs Network Industrie 4.0 (LNI4.0), Plattform Industrie 4.0 Österreich, Informatik Austria, Software & Data Council Steiermark, European Association on Technology Enhanced Learning (EATEL), Science 2.0 Forschungsverbund, Human Technology Cluster Styria (HTS), Complexity Science Hub Vienna, Open Access Network Austria (OANA), European Youth Award (EYA), Österreichische Wissenschaftliche Gesellschaft für Produktionstechnik (ÖWGP), Leading Women TU Graz

HONORS AND 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.

KEY ACHIEVEMENTS

SPIN-OFFs

- Invenium (invenium.io) is utilizing mobile phone data to explore human mobility at scale
- e-nnovation (e-nnovation.at) offers digital solutions to make life easier for the elderly
- OpenKnowledgeMaps (openknowledgemaps.org) revolutionizes the discovery of scientific knowledge

BUDGET AND MANAGEMENT

- Head of Institute for Interactive Systems & Data Science (since 2017) of Graz University of Technology. Managing up to 100 scientists.
- Head of the Knowledge Technologies Institute (2011-2016) of Graz University of Technology. Managing up to 20 scientists.
- CEO of Know-Center (since 2014). Managing up to 120 scientists and a budget of about €50 M (2019-2022).
- Science Director of Know-Center (2011-2014). Managing up to 56 scientists and a budget of about €12 M (2012-2014).
- Division Manager at Know-Center (2008-2011). Managing up to 18 scientists and a budget of about €10 M.
- Division Manager at Know-Center (2001-2007). Managing up to 12 scientists and a budget of about €8 M.
- Scientific Coordinator of the MIRROR project (Reflective Learning @ Work, www.mirror-project.eu, IP, IST FP7, 2010-2013, €9 M budget). Coordinated 15 partners from 6 European Countries. Managed €650,000 budget at Know-Center. Submitted the proposal based on own research ideas and obtained the funding.
- Scientific Coordinator of the APOSDLE project (Advanced Process-Oriented Self-Directed Learning Environment, www.aposdle.org, IP, IST FP6, 2006-2010, €13 M budget). Coordinated 35-45 researchers located in 7 European countries. Managed €1 M budget at Know-Center and €1 M budget at Graz University of Technology. Submitted the proposal based on own research ideas and obtained the funding.

TEACHING EXPERIENCE

- Taught >20 university courses and seminars at Graz University of Technology, Graz University, etc.
- Organized and conducted 4 Ph.D. summer schools, 2 doctoral consortia and 3 conference tutorials.
- (Co)supervised >40 dissertations, (co)supervised >40 Master thesis, supervised >30 Baccalaureate theses.

PUBLICATIONS AND INVITED TALKS

- Published >45 book chapters, special issues, refereed journal articles and books.
- Published >100 refereed conference and workshop papers.
- Gave >50 invited talks and keynotes at conferences, congresses, summer schools and other events.

ORGANIZED EVENTS

- General and Program Chair of AI-KNOW & I-KNOW Conference series (since 2010)
- General Chair of European Data Value Forum 2018 (Vienna, Austria), Program Chair of European Data Forum 2015 (Luxembourg), Program Chair of EC-TEL 2012 (Saarbrücken, Germany)
- Organized and conducted >34 special tracks and workshops on international conferences and other events.

COMMUNITY SERVICE

- Member of Editorial Boards: Open Access Journal on Universal Computer Science (J.UCS), International Journal for Technology Enhanced Learning (IJTEL), IJCC, IEEE Transactions on Learning Technologies (IEEE TLT until 2016)
- Steering Committee of Conferences: European Data Forum (EDF), European Conference on Technology Enhanced Learning (EC-TEL), IMAGINE Conference of the Austrian Funding Agency FFG
- Since 1995 served on >96 program committees of conferences and workshops.

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Managing & Scientific Director Know-Center GmbH

RESUME

January 22, 1968	**born in Bad Homburg, Germany** married, two children
1987	**High School (Abitur) and MATA degree** (Mathematische Technische Assistentin) Georg-Kerschensteiner Schule, Bad Homburg, Germany
1987 – 1988	**Software Developer** at Insotec Consult GmbH, Frankfurt a. M., Germany
1988 – 1991	**Vordiplom (B.S.) in Computer Science** at Technical University Darmstadt, Germany
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
1993 – 1998	**Ph.D. in Computer Science** at University of Colorado at Boulder, USA Thesis: Group Memories – a Knowledge Medium for Communities of Interest
1992 – 1998	**Research Assistant** at the University of Colorado at Boulder, USA
1998 – 2000	**Researcher and Research Project Manager** at DaimlerChrysler, Research & Technology, Ulm, Germany
2000 – 2001	**Senior Manager Services Development** at GlobalSight, Boulder, USA
2001 – 2011	**Division Manager (Knowledge Management)** at Know-Center GmbH, Graz, Austria
11/2010	**Habilitation in Computer Science** at Graz University of Technology, Austria Thesis: Hybrid Knowledge Services for Knowledge Work Support
2011 – 2016	**Head of the Knowledge Technologies Institute** at Graz University of Technology, Austria. Managing up to 20 scientists
since 01/2017	**Head of Institute for Interactive Systems & Data Science** at Graz University of Technology, Austria. Managing up to 100 scientists
2011 – 2014	**Scientific Director of Know-Center GmbH**, Graz, Austria Managing up to 56 scientists and a budget of about €12 M (2012-2014)
since 06/2014	**CEO of Know-Center GmbH**, Graz, Austria Managing up to 120 scientists and a budget of about €50 M (2019-2022)
since 05/2018	**Member of Supervisory Board BKS Bank**, Klagenfurt, Austria Focus on digitalization and data-driven business.