

Assoc.-Prof. Dr. Viktoria Pammer-Schindler

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Academic milestones

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| 2019 | Habilitation (venia docendi) in applied computer science at Graz University of Technology (TU Graz) – Designing Data-Driven and Adaptive Technologies for Reflective Learning in the Workplace |
| 2010 | PhD (Dr. techn.) in computer science at TU Graz – graduated with distinction. |
| 2005 | Diploma in electrical engineering and computer science (Telematik) at TU Graz – graduated with distinction. |
| 1999 | Matura – graduated with distinction. |

Relevant positions

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| 2020 – now | Associate professor at Graz University of Technology (TU Graz) |
| 2012 – now | Research area head at Know-Center GmbH (non-profit research company) |
| 2012 – 2020 | Assistant professor at TU Graz |
| 2006 – 2012 | Postgraduate researcher and deputy area head at Know-Center |

Research

Interactive systems design from a socio-technical and learning perspective.

Technology focus: interactive technologies powered by data analytics and methods from AI.

Methods: user-centered and contextual design; experimental and field studies; mixed methods for analysis, including log data analysis.

- **Socio-technical design** (Littlejohn & Pammer-Schindler, to appear; Pammer-Schindler & Prilla, 2021; Pammer-Schindler & Rosé, 2021; Fessler et al., 2020; Dennerlein et al., 2020; Pammer et al., 2017).
- **Conversational agents for learning** (Mirzababaei & Pammer-Schindler, 2021; Wolfbauer et al., 2020)
- **Adaptive learning guidance and analytics** (Cicchinelli & Pammer-Schindler, 2021; Fjadjljevica et al., 2020; Fessler et al., 2019; Renner et al., 2019; Cicchinelli et al., 2018; Fessler et al., 2017; Rivera-Pelayo et al., 2017)

Team and Leadership

Leadership of my own research group since 2012, typically with ten researchers, currently including 4 senior researchers and 6 PhD students.

Responsibilities in this role: research strategy, establishment of international and industry cooperation, engagement with stakeholders at regional, national, European, and international level; funding acquisition for my group (no base funding), personnel development.

Selected Publications

Overall: 111 peer-reviewed publications, of which 20 journal articles and 49 conference papers.

This selection showcases own first authorships (2,3), first authorships of my PhD students (1,4), new research directions (1,3) and cooperation with international and interdisciplinary colleagues (2-5).

1. Behzad Mirzababaei & Viktoria Pammer-Schindler (2021). Developing a Conversational Agent's Capability to Identify Structural Wrongness in Arguments Based on Toulmin's Model of Arguments. *Frontiers in Artificial Intelligence*.
2. Viktoria Pammer-Schindler & Michael Prilla (2021). The Reflection Object: An Activity-Theory Informed Concept for Designing for Reflection. *Interacting with Computers*. **IF=1.174**

3. Viktoria Pammer-Schindler & Carolyn Rosé (2021). Data-Related Ethics Issues in Technologies for Informal Professional Learning. International Journal of Artificial Intelligence in Education. **Q1 / IF=4.08**
4. Angela Fessl, Viktoria Pammer-Schindler, Kai Pata, Sandra Feyertag, Matti Möttus, Jörgen Janus & Tobias Ley (2020). A Cooperative Design Method for SMEs to Adopt New Technologies for Knowledge Management: A Multiple Case Study. Journal of Universal Computer Science. **IF=0.91**
5. Carla Barreiros, Viktoria Pammer-Schindler & Eduardo Veas. Planting the Seed of Positive Human-IoT Interaction. International Journal of Human-Computer Interaction, Taylor & Francis, 2019, **IF=1.354**

Community Engagement and International Boards

This selection highlights my international engagement in the human-computer interaction and technology-enhanced learning field.

- 2022 **Research grant reviewer** for the Dutch Research Council.
- 2021 **Research grant reviewer** for UK Research and Innovation (Future Leaders Fellowship)
- 2021 **Special issue editor** for “Designing Technologies to Support Professional and Workplace Learning for Situated Practice” at the IEEE TLT (**IF=2.714**)
- 2017-now **President and member of the IAALDE board** - International Alliance to Advance Learning in the Digital Era, www.alliancelss.com. [Secretary since 2019, president since 2020.](#)
- 2020 **Member of the Evaluation Committee** of the Leibniz Society for IWM Tübingen
- 2019-2021 **Advisory Board member** of nationally funded SMARAGD project on human-computer interaction in health
- 2019 - 2021 **Associate chair at the ACM CHI** conference in the Learning, Education and Families subcommittee. Internationally the top conference in human-computer interaction.
- 2017-2021 **Member of the EATEL Managing Committee** - European Association of Technology Enhanced Learning (since 2017), www.ea-tel.eu.
- Continuous **Journal Reviewing**: Int. Journal of Human-Computer Studies, ACM Transactions on Computer-Human Interaction, Educational Research Review, Computing, Behaviour and Information Technology, IEEE Trans. on Learning Technologies, Frontiers in Education

Invited Talks and Panels

Overall: 33 invited talks and panel discussions. This selection highlights **invited research talks** in the last three years.

- 2021 colMOOC (Erasmus+ project on conversational agents for MOOCs), Max Planck Inst. for Intelligent Systems – Tübingen, Freie Universität Berlin, Korea Advanced Inst. of Science and Technology (KAIST) – all online.
- 2020 Univ. of Amsterdam (online)
- 2019 Univ. of Glasgow, Carnegie Mellon Univ., Univ. of Pittsburgh, Univ. of Toronto (online), NTNU Trondheim – online only where noted.

Research Grants

Overall acquisition of ~11,5Mio€ for own research group as PI or co-PI from national and European funding programs.

- 2022-2025 COMET Module DDIA (national, FFG). PI for own research group, ~320k.
- 2021 – 2023 Rebo at Work (national, AK), PI, ~160k

2021 – 2023 Digivid (Erasmus+), co-PI, ~80k.
2020 – 2021 Digital?Sicher! (national, Land Steiermark), PI, ~60k.
2020 – 2023 COMET Module DDAI (national, FFG), PI for own research group, ~320k.
2019 – 2022 DE-TEL (Erasmus+), PI, ~50k.
2019 – 2022 TRIPLE (EU H2020), PI, ~200k.
2019 – 2021 ON-MERRIT (EU H2020), PI, ~70k.
2019 – 2022 Research area funding at Know-Center via COMET (national, FFG and industry co-funded), PI, ~4,6Mio.
2018 – 2021 Karriere mit digitaler Lehre (national project, WKO), PI, ~70k.
2018 – 2021 iDev (EU ECSEL), PI, ~130k.
2016 – 2019 MOVING (EU H2020), PI, ~225k.
2015 – 2018 Research area funding at Know-Center via COMET (national, FFG and industry co-funded), PI, ~5,1Mio.
2013 – 2016 DALIA (EU AAL JP), PI, ~200k.

Teaching

This list summarizes current teaching.

Since 2021 Introduction to Computational Social Systems, 5ECTS, 1st year master course, ~90 students, responsibility for module on socio-technical systems and design.

Since 2018 Introduction to Data Science and AI; 3ECTS, 1st year bachelor course, ~500 students.

Since 2018 Designing Interactive Systems; 3ECTS, master level, 30 students in a group, **finalist for the biennial TU Graz internal teaching award in 2018 and 2020**

9 PhD students (2 finished, 7 ongoing)

14 master theses (11 finished, 3 ongoing)

8 bachelor theses (6 finished, 2 ongoing)

Leadership and Service at Graz University of Technology

Vice dean of studies for new interdisciplinary study program “Computational Social Systems” (2021 - now)

Member of selection boards (2018/2019; 2019/2020)

Member of habilitation committees (2017, 2019/2020; 2020)

Member of a strategic working group on intra-university digital transformation (2018/2019)