CURRICULUM VITAE

Assoc.-Prof. Dr. Viktoria Pammer-Schindler
Viktoria.pammer@gmail.com
Web: http://staff.tugraz.at/viktoria.pammer-schindler
ORCID: https://orcid.org/0000-0001-7061-8947

Academic milestones

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

2020 – now	Associate professor at Graz University of Technology (TU Graz)
	Responsibilities: research, teaching, leadership; research transfer via the COMET funding acquired at the Know-Center, a non for profit research organization.
2019	*Visiting professor: Carnegie Mellon University, USA*
2018	*Visiting professor: NTNU Tronhdeim, Norway*
2015	*Visiting professor: IWM Tübingen, German*
2012 – 2020	Assistant professor at TU Graz
2006 – 2012	Postgraduate researcher at Know-Center

Research

Interactive and intelligent systems from a socio-technical and learning perspective; human-computer interaction; educational technology.

- **Designing interactive systems** for working and learning
  Conversational agents - *Wolfbauer et al., 2022; Mirzababei & Pammer-Schindler, 2022; Mirzababei & Pammer-Schindler, 2021*.
  Intelligent work support - *Disch et al., 2022; Fruhwirth et al., 2021; Barreiros et al., 2019; Barreiros et al., 2018; Köfler et al., 2018*
  Adaptive and data-driven educational technology - *Fessl et al., 2019; Fessl et al., 2017; Rivera-Pelayo et al., 2017; Pammer et al., 2015*.
- **Socio-technical design: methods and concepts** - *Littlejohn & Pammer-Schindler, 2022; Pammer-Schindler & Prilla, 2021; Pammer-Schindler & Rosé, 2021; Dennerlein et al., 2020; Pammer et al., 2017.*
  Designing for business innovation - *Fruhwirth et al., 2021; Fessl et al., 2020.*

Technology focus: Data analytics and AI-enabled technologies.
Methods: Human-centered and socio-technical design methods such as contextual design; design studies, experimental laboratory studies, field studies. Qualitative, quantitative, and data analytics based analysis methods.

Selected Publications

Overall: 122 peer-reviewed publications, of which 22 journal articles and 55 conference papers. The below selection, in chronological order, showcases research that complements my habilitation on "Designing Data-Driven and Adaptive Technologies for Reflective Learning in the Workplace"; and shows first authorships (3,4), first authorships of my PhD students (1,2,5), and international collaborations (1,3,4). *The full list of publications is available online at https://www.staff.tugraz.at/viktoria.pammer-schindler/publications.html*

1. Irmtraud Wolfbauer, Viktoria Pammer-Schindler, Katharina Maitz & Carolyn Rosé (2022). A Script for Conversational Reflection Guidance: A Field Study on Developing Reflection Competence with Apprentice. IEEE Transactions on Learning Technologies, Vol. 15, No. 5, p. 554-566. **Q1 / IF=4.433**
2. Leonie Disch, Angela Fessl & Viktoria Pammer-Schindler (2022). Designing for Knowledge Construction to Facilitate the Uptake of Open Science: Laying out the Design Space. Accepted for publication at: ACM Conf. on Human-Computer Interaction (CHI 2022) **A* Conference**
3. Viktoria Pammer-Schindler & Michael Prilla. The reflection object: An activity-theory informed concept for designing for reflection. Interacting with Computers, 2021. **IF=1.174**
4. Viktoria Pammer-Schindler & Carolyn Rosé. Data-Related Ethics Issues in Technologies for Informal Professional Learning. International Journal of Artificial Intelligence in Education, 2021. **Q1 / IF=4.08**
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**

Awards/Prizes
2023   **Outstanding paper award** at eBled 2023 for "Fruhwirth & Pammer-Schindler (2023). Michael Fruhwirth & Viktoria Pammer-Schindler (2023). Towards Principles for a Data-Driven Business Model Innovation Process – A Design Science Case Study.

2022   **Best paper nomination** at EC-TEL 2022 for "Mirzababei & Pammer-Schindler (2022). Learning to Give a Complete Argument with a Conversational Agent: An Experimental Study in Two Domains of Argumentation."

2021   **Best paper nomination** at EC-TEL 2021 for "Fessl et al. (2021). The Impact of Explicating Learning Goals on Teaching and Learning in Higher Education: Evaluating a Learning Goal Visualization".

2018,2020 **Finalist** for the TU Graz biennial excellent teaching award for the VU "Designing Interactive Systems".

Community Engagement and International Boards
2022-24   **Subcommittee chair** at the ACM CHI 2023, 2024 (A* conference)

2022   **External expert for professorial appointments** (University of Tallinn, Fernuniversität Hagen)

2022   **Research grant reviewer** for the Dutch Research Council.

2017-2022 **President, secretary and member of the IAALDE board -** International Alliance to Advance Learning in the Digital Era, www.alliancelss.com. Secretary: 2019; president: 2020-2022.

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)

2019-2021 **Advisory Board member** of nationally funded SMARAGD project on human-computer interaction in health

2019–2021 **Associate chair** at the ACM CHI (A* conference)

2017-2021 **Member of the EATEL Managing Committee** - European Association of Technology Enhanced Learning (since 2017), www.ea-tel.eu.

2020   **Member of the Evaluation Committee** of the Leibniz Society for IWM Tübingen

Continuous **Journal Reviewing**: Behaviour and Information Technology, Int. Journal of Human-Computer Studies, ACM Trans. on Computer-Human Interaction, Educ. Research Review; ijCSCL, IEEE Trans. on Learning Technologies, Frontiers in Psychology; EPJ Data Science, Computing

Invited Talks and Panels

Overall: 35 invited talks and panel discussions. The below selection focuses on recent talks towards an academic audience.

2023   UCL Knowledge Lab (London), Ludwig-Maximilian Univ. (Munich), IWM Tübingen.

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.

2019   Univ. of Glasgow, Carnegie Mellon Univ., Univ. of Pittsburgh, Univ. of Toronto (online), NTNU Trondheim – online where noted.

Research Grants

Overall acquisition of **~1,05Mio€ funding** for my own group from national (Austrian) and European funders (full list below). Additional funds secured for research and research transfer via the Austrian industry co-funded COMET program in the range of 12,5Mio€.

2024-2027 L2BGreen (Erasmus+), **scientific coordinator**, ~275k€

2024   intramural funding to support FWF grant writing, **PI**, ~4k€

2021–2023 Rebo at Work (national, AK), **PI**, ~160k€

2020–2021 Digital?Sicher! (national, Land Steiermark), ~60k€

2019–2022 DE-TEL (Erasmus+), ~50k€

2019–2022 TRIPLE (EU H2020), ~200k€

2018–2021 Karriere mit digitaler Lehre (national project, WKO), scientific leadership, ~70k€

2016–2019 MOVING (EU H2020), task leader, ~225k€

Teaching

The selection below highlights the main 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 – thinking about (computational) intelligence, knowledge representation and reasoning, human knowledge and decision-making in AI system development. 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.**

8 PhD students (2 finished, 6 ongoing)

16 master theses (13 finished, 3 ongoing)

8 bachelor theses (8 finished)

Leadership and Service at Graz University of Technology

Vice dean of studies for the interdisciplinary study program "Computational Social Systems" (2021 - now)

Member of selection boards (2018/19; 2019/20;2022/23)

Member of habilitation committees (2017, 2019/20; 2020)

Member of a strategic working group on intra-university digital transformation (2018/19)