

Dr.-Ing. Jan David Smeddinck, BSc, MSc

Co-Director & Principal Investigator

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Research Interests

- Digital Health, Health Data Interaction & Analytics
- Human-Computer Interaction, Interaction Design, Gameful Interaction & Motivation
- Adaptive Systems, Machine Learning, Human Computation, Human-AI Interaction

Education

- 2016 PhD (German Dr.-Ing.) in Computer Science / Human-Computer Interaction at the University of Bremen, Germany; PhD Thesis: *Human-Computer Interaction with Adaptable & Adaptive Motion-based Games for Health*
- 2010 M.Sc. Digital Media at the University of Bremen and University of Fine Arts Bremen, Germany
- 2008 B.Sc. Digital Media at the University of Bremen, University of Fine Arts Bremen and University of Applied Sciences Bremen, Germany

Work Experience

- 2021- **Co-Director & Principal Investigator** at Ludwig Boltzmann Institute for Digital Health and Prevention, Salzburg, Austria
- 2018 – 2021 Lecturer in Digital Health (Assistant Professor), Open Lab, School of Computing, Newcastle University, Newcastle upon Tyne, UK
- 2017 – 2018 Postdoc Visiting Research Scholar at the International Computer Science Institute / UC Berkeley, USA
- 2016 – 2018 Research Associate (Postdoc) at TZI Digital Media Lab, University of Bremen, Germany
- 2010 – 2016 Research Assistant (PhD Candidate) at TZI Digital Media Lab, University of Bremen, Germany

Selected Research Projects

- **Green & Digital Prevention and Rehabilitation (Digi:Green)** [State of Salzburg: WISS/ITG]: Combining natural healing and prevention resources with digital health solutions. Co-Investigator and partner representative LBI-DHP.
- **Modular Open Research Platform for Digital Health (MORE)** [State of Salzburg: WISS/ITG]: Implementation project for a research infrastructure to better facilitate situated digital health research integrating questionnaires and wearables. PI.

- **Centre for Digital Citizens** (CDC) [EPSRC]: Emerging challenges of digital citizenship; Co-I and challenge-area-co-lead on “The Well Citizen”.
- **IDEA-FAST** [IMI2/H2020]: Identifying digital endpoints for fatigue in different affliction groups; Co-I and WP-lead on “Digital Technologies”.
- **Adaptify** [BMBF]: Motion-based games for health targeting adaptive physiotherapy, rehabilitation, and prevention, as well as sensor mat research and development; Co-Investigator, lead author and research team lead.

Selected Professional and Academic Associations

- 2012- Association for Computing Machinery (ACM)
- 2010- Gesellschaft für Informatik (GI)
- 2020- Frontiers in Digital Health - Human Factors and Digital Health Editorial Board
- 2019- Regular reviewer for research proposals for public funding bodies, including: UKRI, EPSRC, ESRC
- 2010- Regular associate chair and reviewer for various ACM SIGCHI and IEEE conferences, including CHI, IUI, DIS, CHI PLAY, TEI, MOBILE HCI, IEEE VR, and more

Selected Honors and Awards

- DAAD (German Academic Exchange Service) Postdoc Stipend (12 months) for the International Computer Science Institute (ICS) / Visiting PD Researcher at UC Berkeley
- PhD thesis nominated by the faculty for computer science at the University of Bremen as best thesis of the year in computer science for the GI (Gesellschaft für Informatik) Dissertation Award 2017
- Fellowship of the Klaus Tschira Foundation (KTS), PhD funding from 2010 to 2014
- DUO-Thailand scholarship awarded by ASEM-DUO Fellowship Program (2006 - 2007)

Teaching and Research Dissemination

- 2020 – 2021 Degree Programme Director, MSc Human-Computer Interaction, School of Computing, Newcastle University (& co-led programme redesign).
- 2010 – 2021 Newcastle Teaching Award Programme participant; awarded “Fellow of the Higher Education Academy” (FHEA; PR223083) by AdvanceHE.
- 2016 – 2022 Teaching engagements in research methods, interaction design, HCI, human-AI interaction and more for undergraduate and postgraduate modules at the Univ. of Bremen, Newcastle Univ., Interdisciplinary College & Univ. of Innsbruck
- Supervisor and co-supervisor of 14+ PhD candidates
- Supervisor and advisor for 40+ BSc, MSc and Diplom dissertations
- Examiner or committee member for 8+ PhD defenses / vivas at Newcastle University and the University of Bremen
- Regular organizer of hackathons and science jams in digital health

Publications

80+ peer-reviewed publications, >1400 citations

- Google Scholar: <https://scholar.google.com/citations?user=hYDgLvGAAAAJ>
- ORCID: <https://orcid.org/0000-0003-0562-8473>
- Research Gate: <https://www.researchgate.net/profile/Jan-Smeddinck>