

# Dr.-Ing. Jan David Smeddinck, MSc

## Principal Investigator

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## Research Interests

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

## Education

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- 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

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- 2021- Principal Investigator at Ludwig Boltzmann Institute for Digital Health and Prevention, Salzburg, Austria
- 2018 – 2021 Lecturer in Digital Health, 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

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- **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

- **SDF** (Spiel Dich fit und gesund / Keep Fit Games) [EFRE & WfB]: Motion-based games for health for supporting physiotherapy with older adults; Co-I

## Selected Professional and Academic Associations

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- 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

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- 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), dissertation project funding from 2010 to 2014
- DUO-Thailand scholarship awarded by the ASEM-DUO Fellowship Program (2006 - 2007)

## Teaching and Research Dissemination

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- 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 – 2021 Teaching engagements in research methods, interaction design, HCI, human-AI interaction and more for undergraduate and postgraduate modules at the University of Bremen, Newcastle University and Interdisciplinary College
- Supervisor and co-supervisor of 13+ 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

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