

Philipp Reindl-Spanner

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Born: 08.02.1992, Neuburg Donau

EDUCATION

PhD in Information Systems (magna cum laude) **10.06.2025**

Technical University of Munich

Title: Patient-Generated Health Data in Primary Care for the Treatment of Depression

Advisor: Prof. Dr. Dr. h.c. Helmut Krcmar

M.Sc. Computer Science (1.5) **17.05.2021**

Technical University of Munich

Title: Reconception of the Tutor Tool of the Faculty of Computer Science at the TU Munich (grade: "very good" (1.0))

Advisor: Prof. Dr. Dr. h.c. Helmut Krcmar

B.Sc. Computer Science: Games Engineering (3,0) **10.08.2017**

Technical University of Munich

Title: Hands-free wound documentation" - a Concept for the Use of HoloLens™ in Wound Documentation (grade: "very good" (1.3))

Advisor: Prof. Dr. Dr. h.c. Helmut Krcmar

General higher education entrance qualification (Abitur: 2.2) **02.05.2011**

Feodor-Lynen Gymnasium School, Planegg

RESEARCH INTEREST

Digital innovation and transformation of healthcare, with a focus on the diffusion of AI-supported decision-making tools, the development of health data spaces for federated healthcare systems, patient-generated health data, and digitally integrated interventions in the field of mental health, with a particular emphasis on primary care.

RESEARCH EXPERIENCE

Head of Research Group “IS for Healthcare Innovation” **11.11.2024 - Present**

Krcmar-Lab, TUM School of Computation, Information and Technology

- Head of the research group focusing on digital health technologies, in particular patient-generated health data (PGHD), AI in primary care, and social prescribing
- Mentoring of two PhD students in the field of Digital Health Innovation on topics related to human-computer interaction and information systems in primary care depression treatment, in close coordination with the chairholder
- Design and implementation of interdisciplinary research projects in cooperation with general practitioners, physicians, and researchers from the fields of medicine, computer science, and social sciences
- Operational management of the technical component of a clinical study on digital interventions in primary care
- Participation in the development of a follow-up application for third-party funding
- Head of the chair's internal reading groups “IS for Healthcare” and “Quantitative Research” to promote interdisciplinary exchange and further training in methodology and content within the team.

Research Associate

01.11.2021 - Present

Krcmar-Lab, TUM School of Computation, Information and Technology

- Qualitative research on types of patient-generated health data for the prevention of depression
- Quantitative research (surveys and experiments) on various topics in the field of mental health care
- Conceptualization, implementation, and evaluation of a patient-clinician platform for the usage of patient-generated health data in primary care settings
- Participation in a multidisciplinary project to improve the care of depression in primary care (DFG-Graduiertenkolleg „Prädiktoren und Klinische Ergebnisse bei depressiven Erkrankungen in der hausärztlichen Versorgung - POKAL“ (GRK 2621))
- Collaboration and coordination with faculty, academic staff, and fellow students from other departments

TEACHING AND MENTORING EXPERIENCE

Teaching Assistant

January 2022 - Present

Krcmar-Lab, TUM School of Computation, Information and Technology

- Organization and supervision of the seminars "Trends in Information Systems" and "Digital Health Service Systems" for several semesters
 - Preparation of lectures and class activities focusing on scientific writing
 - Supervision of student teams in the implementation of qualitative and quantitative research methods and the preparation of seminar papers
- Supervision of Bachelor's and Master's theses
 - Supervision of 22 Bachelor's theses
 - Supervision of 9 Master's theses
 - Supervision of 2 Guided Researches
 - Mentoring and support in the completion of Bachelor's and Master's theses on various topics in the field of Information Systems in Health Care

GRANTS AND FUNDING

DFG POKAL Start-Up Funding (Anschubfinanzierung) - €100,000

with Petra Schönweger (LMU), awarded 2024

Project: "The effects of low-threshold interventions on mental health, quality of life, sleep, and physical activity measured with patient-generated data using a wearable - a feasibility study"

- Digital innovations in the context of innovative care models
- Designed and conducted a feasibility study combining wearable-based PGHD and digital interventions to assess their impact on mental well-being in young adults.
- Aimed at building the empirical and methodological foundation for a larger third-party funding application.

HONORS AND AWARDS

PhD representative POKAL Research Training Group

- Representing the interests of POKAL doctoral students at board meetings.
- Contributing to the planning and organization of future topics within the POKAL-Research Training Group from the perspective of doctoral candidates.

Fujitsu Next Award "IT Innovation" 2017

- Runner-Up
- Prämierung einer hervorragenden Bachelor- und Masterarbeit zum Thema „IT Innovation“
- Qualified by a Bachelor's thesis with a grade of 1.7 or better

PUBLICATIONS

1. Kittelmann, L., Reindl-Spanner, P., Prommegger, B., Gensichen, J., & Krcmar, H. (2025, May). Wearable-Based Mental Health Monitoring Platforms: Design Principles for Onboarding Users. In International Conference on Human-Computer Interaction (pp. 192-209). Cham: Springer Nature Switzerland.
2. Reindl-Spanner, P., Prommegger, B., Gensichen, J., & Krcmar, H. (2025). Trackable Me: Relevant Data and User Types for the Tracking of Patient-Generated Health Data in Depression Care. Hawaii International Conference on System Sciences 2025
3. Reindl-Spanner, P., Prommegger, B., & Krcmar, H. (2024). Youth and Depression: Exploring Diffusion of Patient-Generated Health Data for Depression Care among Young Adults. International Conference on Information Systems - DIGIT 2024 Workshop
4. Heuer, M., Reindl-Spanner, P., Prommegger, B., & Krcmar, H. (2024). Building Bridges: Fostering AI Adoption in Primary Care. TREO Talk - International Conference on Information Systems
5. Reindl-Spanner, P., Prommegger, B., Ikononi, T., Gensichen, J., & Krcmar, H. (2024, June). Connecting Patients and Clinicians: Shedding Light on Functionalities for Mental Health Apps in Depression Care. In International Conference on Human-Computer Interaction (pp. 133-148). Cham: Springer Nature Switzerland.
6. Schoenweger, P., et al. POKAL-Group. (2023). Community Indicators for Mental Health in Europe: A Scoping Review. *Frontiers in Public Health*, 11, 1188494.
7. Reindl-Spanner, P., Prommegger, B., Gensichen, J., & Krcmar, H. (2023). Exploring The Potentials Of Patient-Generated Health Data For The Treatment Of Depression. European Conference on Information Systems 2023
8. Reindl-Spanner, P., Prommegger, B., Gensichen, J., & Krcmar, H. (2022). Insights on Patient-Generated Health Data in Healthcare: A Literature Review. Pacific Asia Conference on Information Systems
9. Gensichen, J., et al. (2022). Predictors and outcomes in primary depression care (POKAL)- a research training group develops an innovative approach to collaborative care. *BMC Primary care*, 23(1), 309.

CONFERENCE PRESENTATIONS AND ORGANIZATION

Program Committee Member

Workshop: Digital Health Perspectives - Bridging Healthcare, Technology and Society

- GI Special Interest Group on Digital Health, Gesellschaft für Informatik (GI), 2025

Organizer

- Philipp Reindl-Spanner, Barbara Prommegger, and Helmut Krcmar (2023), GMDS Congress, Panel on the use of patient-generated health data in general practice for the treatment of depression (SV23).

WORKSHOPS AND COURSES ATTENDED

Scientific Writing Workshop

Instructor: Brian Cusack

Science Craft (Berlin) - May 2024

- Focused on structuring scientific manuscripts, developing coherent arguments, and tailoring writing to target audiences
- Included strategies for overcoming writer's block and enhancing clarity and flow in academic texts

Graduate Course: Designing Online Experiments for Behavioral Business Research

Instructor: Prof. Jason B. Thatcher (University of Boulder, Colorado)

University of Augsburg, Summer 2023

- Covered experimental and quasi-experimental design, online data collection (e.g., MTurk, Prolific), manipulation checks, and analysis/reporting for IS journals
- Included hands-on design, implementation, and analysis of an online experiment with iterative feedback and team coaching

PUBLIC TALKS

"Ach, Frau Doktor!" - Mental Health in General Practice

26.06.2024

Evangelische Akademie Tutzing

- Public science communication in dialogue with citizens to present research from the DFG Research Training Group POKAL
- Thematic focus: How can health data from digital devices support the treatment of depression in general practice?

MEMBERSHIPS

Gesellschaft für Informatik e.V. (GI)

2025 - Present

- Fachgruppe Digital Health

Association for Information Systems

2022 - Present

- Special Interest Group Healthcare
- Special Interest Group Adoption and Diffusion of Information Technology (ADIT)
- AIS Chapter Germany
 - Reviewer for AISD First Award

UNIVERSITY SERVICES

Krcmar-Lab, TUM School of Computation, Information and Technology

Internal Doctoral Seminar Coordinator

March 2025 - Present

- Organization and content planning of the biannual internal doctoral seminar with ~50 participants
- Facilitating academic exchange, peer feedback, and networking among PhD researchers

Data Protection Officer

June 2024 - Present

- Point of contact for data protection inquiries within the lab
- Advising and supporting staff on the preparation and revision of records of processing activities

Coordination of Thesis Supervision

February 2024 - Present

- Management of thesis project listings and calls for applications
- Updating of guidelines for scientific work in accordance with TUM School of Computation, Information and Technology regulations
- Allocation of student thesis requests to suitable supervisors

Grade Registration and Examination Administration

2021 - Present

- Registration of students for the examinations of the Krcmar-Lab lectures and seminars
- Checking and reporting grades for the Krcmar-Lab examinations

Technical University of Munich

Student Assistant

01.01.2020 - 30.09.2021

- Technical support for the tutoring service of the Faculty of Computer Science

PROFESSIONAL EXPERIENCE

inetra de GmBH, Munich

Working student

01.03.2014 - 31.12.2019

- Technical consulting and infrastructure support for enterprise IT solutions
 - Novell/Micro Focus Products: Implementation and consulting, including eDirectory, GroupWise, and related enterprise tools
- Representing the organization as a technical expert in strategic sales and client meetings

Montessori School Biberkorf, Berg/Percha

Working student

24.01.2011 - 31.07.2013

- Led the setup and ongoing optimization of IT infrastructure for an educational institution, supporting 70 staff and 500 students with scalable, reliable solutions

LANGUAGES

- German - native speaker
- English - Business fluent - TOEFL test: 112 points