
Education

- 2008 – 2014 **PhD in Computer Science (German Dr. rer. nat.)**, *University of Passau, Germany, Annotated Interactive Non-linear Video - Software Suite, Download and Cache Management* - Supervisor: Harald Kosch.
Grade: 1.0 (magna cum laude)
- 2004 – 2008 **Master of Computer Science (German Diploma), minor in Mathematics**, *University of Passau, Germany, Execution and Analysis of Handedness Tests with Algorithms of Machine Learning* - Supervisor: Bernhard Sick.
- 2003 – 2008 **State Examination for Lectureship at Secondary Schools, subjects: Computer Science, Mathematics**, *University of Passau, Germany, Implementation of a System for the Evaluation of Handedness Tests Based on Biometrical Writing Systems* - Supervisor: Bernhard Sick.
- 1999 – 2001 **Apprenticeship for IT Specialist**, *ALSO ABC Trading GmbH, Straubing and Karl-Peter-Obermaier Vocational School (Karl-Peter-Obermaier-Schule), Passau, Germany.*

Experience

- 03/2018 – today **Data Scientist**, *Tiledmedia B.V., Rotterdam, The Netherlands.*
- 10/2016 – 12/2017 **Postdoc**, *CWI (Centrum Wiskunde & Informatica), Amsterdam, The Netherlands.*
- 03/2017 – 05/2017 **Lecturer for Interactive Multimedia Applications**, *Technische Universität (TU) Chemnitz, Chemnitz, Germany.*
- 10/2015 – 09/2016 **Research Scientist**, *FX Palo Alto Laboratories, Palo Alto, CA, USA.*
- 10/2008 – 09/2015 **Research and Teaching Assistant**, *University of Passau, Passau, Germany.*
- 06/2013 – 07/2013 **Teacher for Programming Languages**, *Karl-Peter-Obermaier Vocational School (Karl-Peter-Obermaier-Schule), Passau, Germany.*
- 09/2010 – 06/2011 **Teacher for Information and Communication Systems**, *Deggendorf County School for Electronic Data Processing (EDV-Schulen des Landkreises Deggendorf), Plattling, Germany.*
- 04/2003 – 08/2003 **IT Specialist**, *Pharmatrade GmbH & Co. KG, Regensburg, Germany.*
- 08/2001 – 03/2003 **IT Specialist**, *ALSO ABC Trading GmbH, Straubing, Germany.*

Fellowships, Awards, and Grants

- 2017 ERCIM Cor Baayen Award 2017: Finalist
- 2017 MMSys 2017: **The DASH Industry Forum Excellence in DASH Award** (2nd place)

- 10/2016 – 09/2017 European Research Consortium for Informatics and Mathematics (ERCIM) Fellowship, CWI, Amsterdam
- 09/2016 Participation in the 4th Heidelberg Laureate Forum as Young Researcher
- 2016 ACM Hypertext 2016 (HT'16): **Ted Nelson Newcomer Award**
- 2015 Awardee of the **ARD/ZDF Förderpreis “Frauen + Medientechnologie” 2015 (2015 Award “Women + Media Technology”**, granted by Germany’s public broadcasters ARD and ZDF)
- 2015 ACM Special Interest Group on Multimedia (SIGMM) Honorable Mention recognition in the 2015 SIGMM Outstanding Ph.D. Thesis Award
- 2010 – 2015 Travel grants: University of Passau Graduate Center Travel Grant for ACM Multimedia 2015; University of Passau Equal Opportunities Unit Travel Grant for EuroITV 2013, DocEng 2012, ACM Multimedia 2011, SoCPaR 2010; DAAD Travel Grant for ACM Multimedia 2010
- 2001 Recognition of the Vocational Training Certificate by the Lower Bavarian Government

Professional Activities

Research Visit

- 07/2017 **Researcher**, *Fraunhofer Institute for Open Communication Systems (Fraunhofer FOKUS)*, Berlin, Germany.

Conference Organization

- 2019 Demo Chair at ACM MMSys
- 2018 Local Chair at ACM MMSys (*local arrangements for demos, coordination with catering, organization of the social event, order conference bags and goodies*)
- 2018 Workshop Chair at ACM TVX (*preparation of the call for proposals, review of workshop proposals, selection of a set of workshops for the conference, local arrangements*)
- 2017 Local Production Chair at ACM TVX (*organization of the social event, local information and host at the reception desk, order conference bags and goodies*)
- 2017 Area Chair for “Multimedia Storytelling and Curation” in the Experiences track at ACM Multimedia 2017 (*find reviewers of a set of papers, write meta reviews, attend program committee meeting and decide on papers to be accepted into the conference*)
- 2015–2017 Associate Chair at ACM TVX (*find reviewers of a set of papers, write meta reviews, attend program committee meeting and decide on papers to be accepted into the conference*)

- 2015/2017 Guest Editor for Springer Multimedia Tools and Applications (MTAP) Journal, Special Issue “Interactive Media: Technology and Experience” (*write proposal for special issue, distribute call for articles, organize review process and resubmission of revised papers, make final selection of papers for the special issue, write guest editorial, communicate with editor*)
- 2014 – 2016 Co-organization of the “International Workshop on Interactive Content Consumption (WSICC)” at ACM TVX (*write workshop proposal, write call for papers, organize review process and select papers, write schedule for workshop day, organize special workshop room setup, guide through workshop day*)
- 2010 – 2015 Organization of the Passau-Chemnitz PhD workshops (*find speakers, schedule the workshop day, organize social event*)

Program Committee Member Conferences

- 2017 – 2018 ACM Multimedia Systems (MMSys)
 - 2017 The 19th IEEE International Symposium on Multimedia (IEEE ISM)
 - 2017 ACM International Conference on Multimedia Retrieval (ICMR)
- 2015 – 2017 ACM International Conference on Interactive Experiences for Television and Online Video (ACM TVX)
- 2016/2017 “AltMM | Multimedia Alternate Realities” Workshop at ACM Multimedia
 - 2016 “Multimedia for personal health and health care – MMHealth 2016” Workshop at ACM Multimedia
 - 2016 ACM Multimedia 2016 (Multimedia HCI and Quality of Experience)
- since 2016 IEEE International Conference on Computers, Software & Applications
- 2016 COMPSAC 2016 (HCSC)
- 2014 – 2016 “International Workshop on Interactive Content Consumption (WSICC)” at ACM TVX

Journal Reviews

- since 2016 ACM TOMM
- since 2015 Computers & Education Journal
- since 2012 Springer Multimedia Tools and Applications (MTAP) Journal

Projects

- 10/2016 – 03/2018 **DASH Delivery Optimization**, CWI, Amsterdam, the Netherlands, internal project.
 - **Project description:** Improvement of video stream delivery using HTTP adaptive streaming.
 - **Work in the project:** Data analysis, network visualization demo including user interface design and testing, implementation of an LTE logging app for Android, collection of data samples in the Netherlands, Germany and the US, data visualization, improvement of DASH Assisting Network Elements (DANE) algorithms for 600 players, test analysis of video upload app.

- 10/2016 – 12/2017 **2-IMMERSE**, CWI, Amsterdam, the Netherlands, EU H2020 ICT.
- **Project description:** Delivery of single & multi-screen content services for immersive, customized and shared experiences in homes and social spaces.
 - **Work in the project:** Co-design and test of the authoring/creation environment.
- 10/2015 – 09/2016 **Chat2Doc**, FXPAL, Palo Alto, CA, USA, internal project.
- **Project description:** In *Chat2Doc* the linear chat interface of messaging apps was extended with threads and additional features to make those more efficient for small task oriented groups. Knowledge extraction from chat conversation with machine learning was intended to prepare instructions for future use.
 - **Work in the project:** Project lead, requirement analysis, surveys about user interface concepts and features, software design and implementation, filed two patents in the US.
- 09/2013 – 09/2015 **SIVA Suite**, University of Passau, Germany, BMBF (German Federal Ministry of Education and Research and European Social Fonds (ESF) (Förderaktivität/Aktion 9)).
- **Project description:** The SIVA Suite was implemented over the course of four separate projects. In *iVi-Pro – Interaktives Video Editierungstool zum netzwerk-basierten Wissenstransfer (Interactive video editing tool for network-based knowledge transfer)*, an interactive video editing tool (SIVA Suite) was implemented as an integrated software solution which enabled network-based knowledge transfer. In *iVi-Pro 2.0 – Interaktives Video im Zeitalter von Mobilität und Kollaboration (Interactive video in the age of mobility and collaboration)*, the SIVA Suite was tested in usability tests. It was extended with mobile player application and collaborative features for video editing. In *MobileTechTeach – mobile multimediale Hilfesysteme für technische Anwendungen in KMUs (Mobile multimedia help systems for technical applications in SMEs)*, the SIVA Suite was extended with collaborative functions to be used in technical applications in SMEs. In *mirKUL – Kollaborative Unterstützung von Arbeits- und Lernprozessen im Unternehmen mit mobilen interaktiven Multimedia-Anwendungen (Collaborative support of work and learning processes in companies using mobile interactive multimedia applications)* (project number 03V0633), the innovation potential of the SIVA Suite as a cost efficient and legally compliant tool for multimedia supported, personalized, and contextualized knowledge transfer in SMEs was validated.
 - **Involvement in proposals:** Substantial participation in the application process, description of the project contents (mirKUL, MobileTechTeach, and iVi-Pro 2.0), financial planning of the project (mirKUL and MobileTechTeach).
 - **Work in the projects:** Concept and co-implementation of the authoring tool, concept and development supervision of the Android and the iPhone/iPad app, of the collaboration server, the HTML5 player, and the second screen application; usability tests, software tests, coordination of students working in the project, organization and execution of project workshops and trade fair presences, reporting to ESF Bayern and BMBF, especially in mirKUL: project lead for computer science, coordination of interdisciplinary research focuses, project administration.

Top Publications

In the last nine years, I wrote 50 papers (7 journal articles, 2 book chapters, 10 full papers, and 31 workshop, short and demo papers). I was first author of 40 papers. 17 papers were written with students presenting results from Bachelor's or Master's theses. 6 of my papers were written in collaboration with international teams.

- 2017 Britta Meixner: *Hypervideos and Interactive Multimedia Presentations*. In: ACM Computing Surveys (CSUR), Volume 50, Number 1, Article 9 (March 2017), ACM, New York, NY, USA, 34 pages.
- 2016 Britta Meixner: *A Pattern-based Evaluation of Download and Cache Management Algorithms for Annotated Interactive Non-linear Videos*. In: Multimedia Systems, pp. 1-35, ISSN 1432-1882.
- 2017 Jan Willem Kleinrouweler, Britta Meixner & Pablo Cesar: *Improving Video Quality in Crowded Networks Using a DANE*. In: Proceedings of the 27th ACM Workshop on Network and Operating Systems Support for Digital Audio and Video (NOSSDAV '17). ACM, New York, NY, USA, pp. 73-78, **(The DASH Industry Forum Excellence in DASH Award 2017 (second place))**.
- 2016 Britta Meixner & Christoph Einsiedler: *Download and Cache Management for HTML5 Hypervideo Players*. In: Proceedings of the 27th ACM Conference on Hypertext & Social Media (HT '16). ACM, New York, NY, USA, pp. 125-136, **(Hypertext Ted Nelson Newcomer Award 2016)**.

Teaching Experience and Examination of Students

- 2002 – 2017 Since 2002 I am a member of the Examination Board for IT Specialists at the IHK (Chamber of Industry and Commerce) Lower Bavaria in Passau, Germany. I served as external examiner for a Master's thesis at the University of Amsterdam in 2017 and for a PhD thesis at the Griffith University in Australia in 2015.
- 2008 – 2017 I my time at the University of Passau, I was teaching for the Distributed Information Systems Group in the Computer Science Department and the Information Systems II Group in the Business Economics Department. I was mainly teaching exercises and practicals, but also parts of lectures. I was working at two schools covering for teachers on sick leave. During my Postdoc in research institutes I continued teaching at the TU Chemnitz and giving a tutorial at the INFORMATIK conference in Germany.
- 2008 – 2015 Besides teaching, I supervised 13 Master's and Diploma students and 15 Bachelor students at the University of Passau. Four of my Master's students stayed in research doing their PhDs.

Additional Qualifications

- June 2010 Certificate for University Education (Zertifikat Hochschullehre Bayern)
- 2005 MCSA for Windows 2000
- 2003 CISCO CCNA