

Assoc. Prof. Dr. Dipl.-Ing. Hilda Tellioğlu

Curriculum Vitae

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1 Personal details

Name	Assoc. Prof. Dr. Dipl.-Ing. Hilda Tellioğlu
Nationality	Austrian
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Affiliations	Head of Artifact-Based Computing & User Research (ACUR) at the Institute of Visual Computing & Human-Centered Technology Dean of Academic Affairs Informatics Academic Director of Centre for Technology & Society Director of Center for Informatics & Society Chair of EUSSET, European Society for Socially Embedded Technologies

2 Research fellow and visiting professor

1986–1990	Scholarship for studying Computer Science at TU Wien
1989	Visiting Scholar at IBM Germany in Heidelberg and Darmstadt, in the areas of system integration and development of graphical user interfaces
1990	Research Fellow at Hewlett Packard Vienna, Austria
1996	Research Fellow in Cost A4 Research Project, for a short term scientific mission in SGS Environment Kendal (a landscape architecture company), UK
1996	Research Fellow at Risø National Laboratory, Technical University of Denmark, Roskilde, Denmark
1998	Senior Lecturer at Sommeruniversität für Frauen in der Informatik in Informatica Feminale at the University of Bremen, Germany
2005–2008	Researcher & site manager of the University of Trento, Italy, in the European project “MAPPER–Model-based adaptive product and process engineering”, FP6-IST-016527-MAPPER
2008–2010	Visiting Professor at Alpen-Adria-Universität Klagenfurt, Austria

3 Education

1986–1990	Scholarship for studying in Austria due to the success at Sankt Georg Austrian High School in Istanbul
1986–1990	Study of Computer Science at the Vienna University of Technology (TU Wien), Dipl.-Ing. of Computer Science
1992–1995	PhD Study of Computer Science at TU Wien, Dr. techn. of Computer Science <i>“Data integrity in relational databases as part of socio-technical information systems”</i> (Datenintegrität in den relationalen Datenbanken als Teil der soziotechnischen Informationssysteme) Advisor: Ina Wagner
2007	Habilitation at TU Wien, Privatdozentin of Computer Science <i>“Cooperative Work”</i> Committee: Ina Wagner (chair), Kjeld Schmidt (reviewer), Carla Simone (reviewer), Hannes Werthner (reviewer), Shahram Dustdar (reviewer)

4 Personal data

21.09.1967–born in Istanbul, Turkey

Austrian citizenship

Married, one child

Languages–German, English, Turkish, Armenian

5 Further academic training and employment

1990–1992	System designer & developer in SoftwareFABRIK GmbH in Vienna, Austria, in the areas of document management systems in databases, optimizing database structures, storage of persistent data, porting Microsoft Windows Applications to OS/2
1992–1993	System analyst & specialist at AT&T Global Information Solutions GmbH in Vienna, Austria, in the areas of software services in document management systems, including pre-sale and design of document management systems, programming, testing, documenting, user training, and sales support activities
1993–2015	IT training and consulting at Wirtschaftsförderungsinstitut (WIFI) Vienna, Austria, in the areas of Microsoft Windows operating systems and applications, Linux, Web development
1993–present	Lecturer at TU Wien
1993–1995	Pre-doc research assistant at the Faculty of Informatics, TU Wien
1994–1995	Researcher in the international research project “Software Cultures. The influence of work organization, management style and occupational culture on systems designers’ approaches in a cross-cultural perspective” in COST A4 Research Project, funded by the Austrian Federal Ministry for Education, Arts and Culture
1994	Organizer of the 1 st International Workshop of “Software Cultures” in Vienna
1995–2007	Assistant professor at the Faculty of Informatics, TU Wien
1995	Organizer of the 2 nd International Workshop of “Software Cultures” in Vienna
1995–present	Coordination of a Socrates ERASMUS exchange program (of students’ exchange and the mobility of teaching staff) at the Faculty of Informatics, TU Wien, in the areas of Computer Science and Business Informatics
1996	Researcher in the national technology assessment project “Das digitale Krankenhaus” (The digital hospital) at the Institute of Technology Assessment (ITA) at Austrian Academy of Sciences (ÖAW), funded by the Austrian Federal Ministry for Education, Arts and Culture and Wiener Krankenanstaltenverbund (KAV)
1996	Organizer of the international ENACT Meeting in Vienna
1996–1997	Researcher in the national project “Flexible Standardisierung. Möglichkeiten der computerunterstützten Integration von Design und Produktion am Beispiel Architektur” (Flexible standardizing. Possibilities of computer-supported integration of design and production in architecture), funded by the Austrian Federal Ministry for Education, Arts and Culture
1996–1998	Researcher in the European project “Desarte” (The computer supported design of artefacts and spaces in architecture and landscape architecture), an ESPRIT-LTR Project Nr. 21.870
1997–present	Owner & director of Tellioglu KG, offering IT services and consulting, design, development and maintenance of software applications and platforms
1997	Researcher in the national project “Entwicklung eines Lehrganges für Frauen im Waldviertel (im Bereich EDV, Telematik, Telekommunikation)” (Development of a curriculum for unemployed women in Lower Austria in the area of information and telecommunication) & co-founder of the curriculum telm@, funded by Public Employment Service Austria (AMS) in cooperation with Verein AlFa
1998	Senior Lecturer at Sommeruniversität für Frauen in der Informatik in Informatica Femineale at the University of Bremen, Germany

1998–1999	Researcher in the national project “Kooperative Planung” (Pilotprojekt zur Entwicklung eines computerunterstützten Kommunikations- und Entwurfsraums zwischen Architekten und Herstellern – Cooperative planning. Pilot project for development of computer supported communication and design space between architects and producers), funded by the Austrian Innovation and Technology Fund
1999–2001	Researcher in the European project “Desarte” (The computer supported design of artefacts and spaces in architecture and landscape architecture), an ESPIRIT-LTR Project Nr. 31.870
1999–2001	<i>Co-Principle investigator</i> of the international project “telm@ – Frauen in Telekommunikation und Informatik”, a curriculum for women in IT and telecommunication, in the scope of the EC program NOW (New Opportunities for Women)
2001–2004	Researcher in the international project “Systemische Integration von Produktion und Dienstleistung” (Systemic integration of production and services), funded by the German Federal Ministry of Education and Research (BMBF)
2001–2011	Owner & director of 3rd Case Solutions Limited, offering IT services and consulting, design, development, and maintenance of software applications and platforms with focus on event management and publication databases
2001–2002	Research partner in the initiative EQUAL in Austria “Women in information technology (WIT)”, Action 1: Preparation Phase
2002–2003	<i>Co-Principle investigator</i> of the national project “telm@Transfer” (Knowhow transfer to implement telm@ in other Austrian federal states), funded by the Austrian Federal Ministry for Education, Arts and Culture
2005–2008	Researcher & site manager of the University of Trento, Italy, in the European project “MAPPER–Model-based adaptive product and process engineering”, FP6-IST-016527-MAPPER, in the 6 th Framework Program Priority [2&3] Information Society Technologies (IST) & Nanotechnology and nano-sciences, knowledge based multifunctional materials, new production processes and devices (NMP)
2004–2006	Member of the curriculum committee of Business Informatics at TU Wien
2006–2011	Main representative of Equal Opportunities Group (Arbeitskreis für Gleichbehandlungsfragen) at the Faculty of Informatics, TU Wien
2004–2012	Member and the vice chair of the Faculty Council (Fakultätsrat) at the Faculty of Informatics, TU Wien
2004–2012	The spokesperson of the university assistants at the Faculty of Informatics, TU Wien
2006–2012	Chair of the curriculum committee of Business Informatics at TU Wien
2007–2008	Privatdozentin at TU Wien
2007–2011	Second vice chair of the Equals Opportunities Group (Arbeitskreis für Gleichbehandlungsfragen) at TU Wien
2007–2014	Chair of the Workgroup “IT for Women” at the Austrian Computer Society (OCG)
2008–2009	<i>Principle investigator</i> & project leader of the national project “Mentoring4her” (An industry mentoring for women in information technologies), funded by the Austrian Computer Society (OCG)
2008–2010	Visiting professor at Alpen-Adria-Universität Klagenfurt, Austria
2008–2011	Project site manager of the international ERASMUS project “ETN TRICE” (Teaching, research, innovation in computer education), funded by ERASMUS Academic Networks in Lifelong Learning Program in ICT
2008–2012	Vice Dean for Academic Affairs of Business Informatics at the Faculty of Informatics, TU Wien
2008–present	Head of the Multidisciplinary Design & User Research Group at TU Wien, Faculty of Informatics, Institute of Visual Computing & Human-Centered Technology
2008–present	Associate Professor of Computer Science, TU Wien
2009–2010	IT consulting at Wirtschaftsförderungsinstitut (WIFI) Austria, in the area of e-learning promotion for Linux
2010–2013	<i>Principle investigator</i> & project manager of the national project “kommTUI” (Object-based, Interactive Communication to Support Social Exchange of Older People), funded by the Austrian Research Promotion Agency (FFG)

2012–2016	Dean for Academic Affairs of Business Informatics at TU Wien, Faculty of Informatics
2013–2015	<i>Co-Principle investigator</i> & project site manager of the national project “RE-ACTA” (Resilience Enhancement by Advanced Communication for Team Austria), funded by the Austrian Research Promotion Agency (FFG), bmvit, bmwfi, Thematic programme: Sicherheitsforschung
2013–2016	<i>Principle investigator</i> & project leader of the international project “TOPIC” (The Online Platform for Informal Caregivers), funded by the EU AAL Joint research program
2013–2016	Project site manager & work package leader of the international project “FETCH” (Future Education and Training in Computing: How to support learning ant anytime anywhere), funded by the EU ERASMUS (EACEA) program
2015	<i>Principle investigator</i> & project manager of the national project “wien.team” (Evaluation der Nutzung des Intranet Portals wienteam.at), funded by Magistrat der Stadt Wien
2015–2017	<i>Co-Principle investigator</i> & project site manager of the national project “ReHABITAT-ImmoCHECK+” (Werkzeuge zur Darstellung des Entwicklungspotentials und zur Bewertung von innovativ nutzbaren Einfamilienhäusern), funded by the Austrian Research Promotion Agency (FFG), Federal Ministry Republic of Austria for Transport, Innovation and Technology (BMVIT), in the 6 th call of the program “FEMtech Research Projects 2014”
2015–2017	<i>Principle investigator</i> & project site manager of the national project “RAUCHFREI für mich und mein Kind”, funded by the Niederösterreichischen Gebietskrankenkasse (NÖGKK) and Hauptverband der österreichischen Sozialversicherungsträger, in the program of “Gemeinsame Gesundheitsziele aus dem Rahmen-Pharmavertrag, eine Kooperation von österreichischer Pharmawirtschaft und Sozialversicherung”
2016–2017	Project site manager of the national project “SUBURBAHN” (Test- und Demonstrationsgebiet für Stadtentwicklung und Mobilität im Umfeld von Haltestellen im öö. Zentralraum), funded by the Austrian Research Promotion Agency (FFG), Federal Ministry Republic of Austria for Transport, Innovation and Technology (BMVIT), in the 3 rd call of the program “City of the Future”
2016–2020	Dean for Academic Affairs of Informatics at TU Wien, Faculty of Informatics
2017–2018	<i>Principle investigator</i> & project manager of the national project “Beacons” (Wiener Linien - Beacons: Mit dem BLE-Standard unterwegs in die Smart City), funded by Wiener Linien GmbH & Co KG
2017–2020	<i>Co-principle investigator</i> & project site manager of the national project “embodied gestures” (Sculpting Sonic Expression into Musical Artifacts), funded by the Austrian Science Fund (FWF), in the Programme for Arts-based Research PEEK
2017–2021	<i>Co-principle investigator</i> & project site manager of the national project “aspermobil LAB” (Urbanes Mobilitätslabor aspermobil LAB), funded by the Austrian Research Promotion Agency (FFG), Federal Ministry Republic of Austria for Transport, Innovation and Technology (BMVIT), in the 7 th call of the program “Mobility of the Future: Urban Mobility Labs”
2018–2020	Scientific partner of the national project “PHOBILITY aktiv” (Mental Health APP in Kombination mit einem Wearable zur Unterstützung einer gleichberechtigten und aktiven Mobilität für Personen mit einer Phobie, Angst- und/oder Zwangserkrankung), funded by the Austrian Research Promotion Agency (FFG), Federal Ministry Republic of Austria for Transport, Innovation and Technology (BMVIT), in the 9 th call of the program “Mobility of the Future”
2018–2020	<i>Co-principle investigator</i> & project site manager of the national project “REBUTAS” (Entwicklung eines reaktiven Buchungs- und Tarifsystems für free-floating Mobilitätssharingdienste), funded by the Austrian Research Promotion Agency (FFG), Federal Ministry Republic of Austria for Transport, Innovation and Technology (BMVIT), in the 9 th call of the program “Mobility of the Future”
2016–present	Director of the Center for Informatics & Society at the Faculty of Informatics, TU Wien
2019	<i>Principle investigator</i> & project site manager of the national project “DYNAMO” (Dynamisch-adaptives Mobilitätsmanagement), funded by Upstream Next Level Mobility GmbH

2019	<i>Principle investigator</i> & project site manager of the national project “RENGA”, funded by the Austrian Research Promotion Agency (FFG), Federal Ministry Republic of Austria for Transport, Innovation and Technology (BMVIT) and Federal Ministry Republic of Austria for Digital and Economic Affairs, in the program “Innovation Voucher”, in cooperation with AWARE GmbH
2019	Project site manager of the national project “StandPI” (Systemübergreifende Steuerung von Transport- und Intralogistik zur nachhaltigen Distribution im Physical Internet), funded by the Austrian Research Promotion Agency (FFG), Federal Ministry Republic of Austria for Transport, Innovation and Technology (BMVIT), in the 10 th call of the program “Mobility of the Future”
2019–2020	Project site manager of the national project “KoopHUBS” (Konzeption eines nachhaltigen, kooperativen, zweistufigen Distributionssystems für Kleinsendungen in der Stadt Wien), funded by the Austrian Research Promotion Agency (FFG), Federal Ministry Republic of Austria for Transport, Innovation and Technology (BMVIT), in the 10 th call of the program “Mobility of the Future”
2019–2020	Scientific partner in the national project “HumBAS” (Knowledge-based building management combining human perception and building automation systems), funded by the Austrian Research Promotion Agency (FFG), Federal Ministry Republic of Austria for Transport, Innovation and Technology (BMVIT), in the 6 th call of the program “ICT of the Future”
2019–2020	Scientific partner in the national project “COMISO” (Crisis Management using Multimodal Interaction for Stakeholders and Citizens), funded by the Austrian Research Promotion Agency (FFG), Federal Ministry Republic of Austria for Transport, Innovation and Technology (BMVIT), in the Austrian security research program “KIRAS”
2019–present 2020	Scientific director of the Center for Technology & Society at TU Wien <i>Principle investigator</i> in the national project “DEBIAS” (Digitally Eliminating Bias in Applicant Selection), funded by Arbeiterkammer (AK) Wien, in the research program “Digitalisierungsfonds Arbeit 4.0”
2020–2021	<i>Principle investigator</i> in the national project “CO2” (Begleitstudie zur CO ₂ -Reduktion durch digitale Auskunftssysteme / MaaS Applikationen), funded by Upstream - next level mobility GmbH
2020–2021	<i>Principle investigator</i> in the national project “Kreativer Dachboden des digitalen TU Lernhauses”, funded by TU Wien
2020–2024	<i>Management committee member</i> in the international research and innovation networking project “Goodbrother” (Network on Privacy-Aware Audio- and Video-Based Applications for Active and Assisted Living, COST action 19121), funded by COST, European Cooperation in Science and Technology, European Union
2021–2022	Project site manager of the national project “MM-QAS-ACUR” (Innovatives Mobilitätsmanagement Quartier am Seebogen), funded by Wien 3420 Aspern Development GmbH and TU Wien
2021–2026	<i>Co-principle investigator</i> & project site manager of the national project “aspern.mobil LAB 3.0” (Urbanes Mobilitätslabor aspern.mobil LAB), funded by the Austrian Research Promotion Agency (FFG), Federal Ministry Republic of Austria for Transport, Innovation and Technology (BMVIT), in the program “Mobility of the Future: Urban Mobility Labs”
2021–2024	Scientific partner and project site manager of the international project “SmartHubs” (Smart Mobility Hubs as Game Changers in Transport), funded by European Union
2022	<i>Principle investigator</i> in the national project “Skill-Sharing for young people with disabilities”, funded by Center for Technology and Society at the TU Wien
2023	<i>Principle investigator</i> in the national project “Storytelling by Students”, funded by Center for Technology and Society at the TU Wien
2023	Scientific partner and project site manager in the national project “DyMoN”, funded by Salzburg Research

2023–2025	Scientific partner and project site manager of the international project “StreetForum” (Transforming streets into accessible urban oases through consensus building with digital and analogue tools), funded by European Union
2023–2026	<i>Principle investigator</i> of the doctorate college “STEAM - STEM - stART ´em”, funded by Federal Ministry Republic of Austria for Education, Science and Research (BMBWK)

6 Prizes, Awards, Honors

In 2015, I was officially evaluated by the TU Wien as part of the evaluation process of my position as Associated Professor. The result was “excellent, with exceptional achievements” (7.4.2015).

Year	Prize / Award	Awarding Organisation
1986	Scholarship to study Computer Science at TU Wien	Austrian Federal Ministry of Education, Science and Research
2011	Golden Partner Award to the Vienna University of Technology for their long, active and fruitful participation in the international projects of the university	The University of Ruse
2009	Recognition of Service Award in appreciation for the organisation of ECSCW 2009 in Vienna, September 7-11	Mayor and Governor of City and State of Vienna, President of Vienna Chamber of Commerce, President of Vienna Tourist Board
2011	Recognition of Service Award in appreciation for the organisation of COMPSYTECH’11 in Vienna, June 16-17	Mayor and Governor of City and State of Vienna, President of Vienna Chamber of Commerce, President of Vienna Tourist Board
2011	Recognition of Distinguished Service Award in appreciation for the services to the 2011 International Conference on Collaboration Technologies and Systems (CTS 2011), May 23-27	ACM, IEEE, and IFIP
2012	Recognition of Service Award in appreciation for contributions to ACM as Co-Chair Group’12: ACM 2012 International Conference on Support Group Work, October 27-31	Association for Computer Machinery (ACM)
2015	The Best Paper Award at the International Conference on E-Learning (e-Learning’15) for the research paper “An approach for the evaluation of curricula and their implementation”	European Thematic Networks in Computing FETCH
2016	The Best Partner Award to the Vienna University of Technology for their long, active and fruitful participation in the European Thematic Networks in Computing coordinated by the university	The University of Ruse
2016	Outstanding Paper Award at the International Conference on Interfaces and Human Computer Interaction 2016 for the research paper “Models as Bridges from Design Thinking to Engineering”	IADIS International Association for Development of the Information Society
2019	Honorable Mention Award for the research paper “Socio-technical Dynamics: Cooperation of Emergent and Established Organisations in Crises and Disasters”	Association for Computer Machinery (ACM) and SIGCHI

7 Research Grants

I have extensive practice in directing research and writing successful project proposals in the Research Unit Artifact-Based Computing & User Research (ACUR) (previous Multidisciplinary Design & User Research (MDUR)) I am leading at TU Wien. Besides being the Director of the Centre for Informatics and Society (CIS) (since the Fall of 2016) and the Scientific Director of the Center for Technology and Society (CTS) (since the Fall of 2019) at TU Wien, I have submitted several competitive national and international project proposals and succeeded in 40 of them. In this document, only some selected grants of my current projects are presented. These projects have a cumulative grant volume of 5.700.000 € at the TU Wien. For details and the full list of my grants, please visit my [website](#).

“STEAM - STEM - stART ‘em”

Type: A doctorate college

Duration: October 2023–September 2026

Project team: Hilda Tellioglu (**principle investigator**), Gerfried Mikusch

Other partners: University College of Teacher Education in Vienna (Pädagogische Hochschule Wien, PH Wien)

Funding: Federal Ministry Republic of Austria for Education, Science and Research (BMBWK) (Total project fund: 693.114,88 €; Total fund for the TU Wien ACUR: 166.107 €)

Abstract: The aim of the doctorate college is to identify the challenges of inclusive, meaningful, and effective STEM teaching and to meet them through the innovative possibilities of the fields of computer science/technology and art/art education. The individual dissertation topics first capture the current status in the Austrian education and school landscape and then derive new interventions with the help of innovative processes from computer science, architecture, art, and education in order to evaluate the further potential of various approaches.

“StreetForum”

Transforming streets into accessible urban oases through consensus building with digital and analog tools

Type: An international research project

Duration: March 2023–August 2025

Project team: Hilda Tellioglu (**scientific partner and project site manager**), Gerfried Mikusch

Other partners: Vrije Universiteit Brussel, space and place, Spacescape, Cultureghem, Alain Tisserand architect, Istanbul Metropolitan Municipality, Bogazici University, Municipality of PUB Anderlecht, Municipality of PUB Stockholm, Mobilitatsagentur Wien, Konstframjandet, Bezirksvorstehung Ottakring (District Council Ottakring - Vienna 16th district), Car-free Cities Alliance, Gehtdoch.wien, Postgraduate Center, University of Vienna, Weatherpark GmbH, Bezirksvortstehung in Mariahilf (District Council Mariahilf - Vienna 6th district), Impact Hub Vienna GmbH, aspern.mobil LAB

Funding: Austrian Research Promotion Agency (FFG), the Federal Ministry Republic of Austria for Transport, Innovation and Technology (BMVIT) (Total project cost: 1.054.613 €; Total project fund: 867.796 €; Total fund for the TU Wien ACUR: 117.808 €)

Abstract: The transformation of neighborhoods from car-dominated to people-centered places requires the consensus of multiple stakeholders. Consensus can be built by developing a common understanding of the local issues, building trust among stakeholders, empowering local communities to act on their own issues, and raising awareness of the long-term impacts of street interventions. The project will develop the StreetForum Toolkit to help urban authorities, citizens, and civic organizations to build consensus around street transformation projects affecting accessibility in urban neighborhoods. It will consist of analog and digital tools that help build consensus and negotiate access and design. We will develop stakeholder personas and narratives representative of

street transformation, a collaborative digital crowdsourcing tool, a consensus-making design game, an online street value assessment platform, a physical mobile co-design cart, guidelines for using art installations and cultural events as well as governance guidelines. The toolkit will be tested in four living labs (Brussels, Vienna, Stockholm, and Istanbul) to evaluate its impact, transferability, and scalability. It will be available as free-to-use resources for the broader community.

“SmartHubs”

Smart Mobility Hubs as Game Changers in Transport

Type: An international research project

Duration: March 2021–February 2024

Project team: Hilda Tellioglu (**scientific partner and project site manager**), Gerfried Mikusch, Michael Habiger, Marko Kadic

Other partners: University of Twente, Vrije Universiteit Brussel, TU Munich, University of Münster, University of Natural Resources and Life Sciences, Vienna, Aspern Mobil Lab, Mpact, Living Labs in Brussels, Istanbul, Munich, The Hague-Rotterdam and Vienna

Funding: Austrian Research Promotion Agency (FFG), the Federal Ministry Republic of Austria for Transport, Innovation and Technology (BMVIT) (Total project cost: 2.142.633 €; Total project fund: 1.957.941 €; Total fund for the TU Wien ACUR: 71.779 €)

Abstract: The SmartHubs project examines mobility hubs, dedicated on-street locations where citizens can choose from different shared and sustainable mobility options. The main objective is to assess if a co-designed, user-centric development can enable mobility hubs to act as game changers toward inclusive, sustainable urban mobility and accessibility. SmartHubs will examine, develop and apply research methods and tools in SmartHubs Living Labs in Brussels, Rotterdam-the Hague metropolitan region, Munich, Vienna, and Istanbul. SmartHubs will develop and apply novel participatory and impact assessment tools like (i) an open accessibility tool involving inputs from individual citizens to examine the local accessibility impacts of mobility hubs, (ii) an accessibility network analysis and resilience tool to examine the impacts of mobility hubs on transport network resilience, (iii) a multi-actor multi-criteria analysis method to involve individual citizens and (iv) tangible augmented reality technologies and gamification and user experience (UX) approaches to facilitate co-creation processes of mobility hub design. Finally, SmartHubs goes beyond the current state of the art by conducting rigorous research on mobility, accessibility, vulnerability, resilience, and societal impacts of mobility hubs, including vulnerable to-exclusion population segments such as low-income, digitally limited skilled, female citizens, and refugees.

“AML 3.0”

Urban mobility lab aspern.mobil LAB 3.0

Type: A national research project in the program Mobility of the Future: Urban Mobility Labs

Duration: July 2021–June 2026

Project team: Hilda Tellioglu (**co-principle investigator and project site manager**), Gerfried Mikusch, Michael Habiger, Florian Michahelles, Philipp Wintersberger, Florian Wolling, Marcel Peralt-Bonell, Mert Eyüp Usul

Other partners: TU Wien Research Unit Transportation System Planning, TU Wien Research Unit of Law, Wien 3420 Aspern Development AG, The Neighbourhood Management Office, Urban Innovation Vienna

Funding: Austrian Research Promotion Agency (FFG), Federal Ministry Republic of Austria for Transport, Innovation and Technology (BMVIT) (Total project cost: 1.999.096 €; Total project fund: 999.548 €; Total fund for the TU Wien ACUR: 239.990 €)

Abstract: aspern.mobil LAB originates from the research context of living labs that can be described as innovative tools for stimulating technological, social, and organizational innovations. They form a basic structure arising from the “open innovation” approach. In specific aspern.mobil LAB is

a Neighborhood Mobility Lab where shifting mobility and sustainability are core objectives. We consider new urban mobility in the form of a living lab together with the local people of aspern Seestadt. That is what makes aspern.mobil LAB a special type of living lab. The goal is to collect and enhance various ideas and develop and test mobility solutions quickly and efficiently in a real environment with the early involvement of all necessary stakeholders and citizens. aspern.mobil LAB refers to a clear spatial reference – aspern Seestadt with its future approximately 25,000 residents and comparable workforce.

“Storytelling by Students”

Storytelling by Students – From School to Higher Education

Type: A national 3rd mission and dissemination project

Duration: January 2023–July 2023

Project team: Hilda Tellioglu (**principle investigator**), Noah Pfander, Lukas Felser, Karin Lang

Other partners: UAS Campus Wien, UAS Technikum Wien

Funding: Center for Technology and Society (CTS) (Total project cost: 23.660 €; Total project fund: 16.826 €)

Abstract: In the project, students talk about their experiences shortly before choosing a course of study, their thoughts on choosing a course of study, the time during their entry into the course of study, and the first years during their studies. Students will design a digital platform for this storytelling, enabling them to report on their transition from school to university and pass on valuable knowledge to future and prospective students. Multimedia content will be produced by the students, according to their interests and realities, and will function as an object for interacting and exchanging experiences with other students. On the one hand, this project is intended to make it easier for first-year students to enter the world of higher education and, on the other hand, to offer students orientation and self-assessment for technical studies at a university.

“Goodbrother”

Network on Privacy-Aware Audio- and Video-Based Applications for Active and Assisted Living (COST action 19121)

Type: An international research and innovation networking project

Duration: September 2020–September 2024

Project team: Hilda Tellioglu (**management committee member**)

Other partners: 72 academic partners from 21 European countries

Funding: COST, European Cooperation in Science and Technology, funded by European Union (Total project cost: 375.000 €; Total project fund: 375.000 €)

Abstract: Europe faces crucial health and social care challenges due to demographic change and the current economic context. Active and Assisted Living (AAL) are a possible solution to face them. AAL aims to improve health, quality of life, and well-being of older, impaired, and frail people. AAL systems use different sensors to monitor the environment and its dwellers. Cameras and microphones are being more frequently used for AAL. They allow for monitoring an environment and gather information, being the most straightforward and natural ways of describing events, persons, objects, actions, and interactions. Recent advances have allowed these devices to ‘see’ and ‘hear’. However, their use can be seen as intrusive by some end users (assisted persons and professional and informal caregivers.) The General Data Protection Regulation (GDPR) establishes the obligation for technologies to meet the principles of data protection by design and data protection by default. Therefore, AAL solutions must consider privacy-by-design methodologies to protect the fundamental rights of those being monitored. The aim of Goodbrother is to increase awareness on the ethical, legal, and privacy issues associated with audio- and video-based monitoring and to propose privacy-aware working solutions for assisted living by creating an interdisciplinary community of researchers and industrial partners from different fields (computing, engineering,

healthcare, law, sociology) and other stakeholders (users, policymakers, public services), stimulating new research and innovation. Goodbrother will offset the “Big Brother” sense of continuous monitoring by increasing user acceptance, exploiting these new solutions, and improving market reach.

“DEBIAS”

Digitally Eliminating Bias In Applicant Selection

Type: A national cooperation project with Chamber of Labour Vienna

Duration: January 2020–May 2021

Project team: Hilda Tellioglu (**principle investigator**), Florian Cech, Lukas Pichelhöfer

Other partners: TU Career Center, Chamber of Labour Vienna

Funding: Arbeiterkammer Wien (Total project cost: 27.900 €; Total project fund: 27.900 €; Total fund for the TU Wien ACUR: 27.900 €)

Abstract: Die Wirksamkeit von Unconscious Bias ist wissenschaftlich gut belegt und verhindert oftmals, dass hehre Ziele von Fairness und Diversity im Interview-Setting erreicht werden können. Studien zeigen, dass wir dazu tendieren, diejenigen Gesprächspartner:innen positiver zu bewerten, die unserer Vorstellung von uns selbst am ehesten entsprechen; je größer der kulturelle, Gender- oder Altersunterschied etwa, desto eher nehmen wir einen kritischen Standpunkt ein. Diesem Problem entgegen zu wirken, ist Ziel des Forschungsprojektes „DEBIAS“. Gemeinsam suchen wir Antworten auf die Frage, wie wir durch Technologien der Anonymisierung dem Unconscious Bias entgegenwirken und ein faires Bewerbungsgespräch gestalten können, ohne die für dieses Gespräch wichtigen persönlichen Einschätzungen zu sehr zu beeinträchtigen. Dazu führen wir intensive Interviews mit Bewerber:innen und Unternehmen, entwickeln technische Lösungen mittels partizipativem Design mit Partner:innen, Wissenschaftler:innen und Betroffenen gemeinsam und testen diese im Rahmen des diesjährigen Voice of Diversity-Projekts ‘live’ an der TU Wien.

“CTS”

Center for Technology and Society

Type: A national cooperation project in research, teaching, and outreach

Duration: Winter 2019–ongoing

Project team: Hilda Tellioglu (**academic director** and **principle investigator**), Anna Franzkowiak, Florian Cech, Hayley Green, Rafael Vrecar

Other partners: UAS Campus Wien, UAS Technikum Wien, University of Vienna

Funding: Funded by the Federal Ministry Republic of Austria Education, Science, and Research (BMBWF) (Total project fund: 2.500.000 €)

Abstract: The Center for Technology and Society (CTS) is being developed by the Vienna University of Technology (TU Wien), the University of Vienna, FH Campus Wien, and FH Technikum Wien as part of the project Zukunft Hochschule. The center realizes inter-university and inter-faculty cooperation on various technical and socially relevant issues. Concrete projects, funding applications, and divided study programs and modules form the core of this inter- and transdisciplinary research center.

“Skill-Sharing”

Skill-Sharing for young people with disabilities

Type: A national research project

Duration: January 2022–June 2022

Project team: Hilda Tellioglu (**principle investigator**), Gerfried Mikusch

Other partners: UAS Campus Wien, UAS Technikum Wien

Funding: Center for Technology and Society (Total project cost: 40.473 €; Total project fund: 25.400 €; Total fund for the TU Wien ACUR: 14.679 €)

Abstract: In the project “Storytelling by Students”, future first-year students are networked with students to make it easier for first-year students to find their way around the world of higher education. In the process, Students talk about their experiences in choosing a course of study and their first study impressions. The exchange takes place on the “Storytelling by Students” platform. This student-designed digital and participatory platform enables students to share their knowledge with upcoming students. According to their interests and realities, students produce multimedia content to interact and share experiences with other students. The “Storytelling by Students” platform is not just a collection of information but a growing interplay of content that students continuously fill in a self-organized way. The project results from a cross-university initiative from the cooperation of students of the FH Campus Wien, the FH Technikum Wien, and the Vienna University of Technology.

“COMISO”

Crisis Management using Multimodal Interaction for Stakeholders and Citizens

Type: A national research project in KIRAS, Cooperative F&D-Projects 2018

Duration: November 2019–October 2020

Project team: Hilda Tellioglu (**scientific partner** and **project site manager**), Maximilian Robert Ulreich

Other partners: AIT Austrian Institute of Technology GmbH, snapworx OG, LEFTSHIFT ONE Software GmbH, Land Steiermark, Intergraph Gesellschaft m.b.H., Universität Wien, Bundesministerium für Landesverteidigung, JOANNEUM RESEARCH Forschungsgesellschaft mbH

Funding: Austrian Research Promotion Agency (FFG), Federal Ministry Republic of Austria for Transport, Innovation and Technology (BMVIT) (Total project cost: 332.757 €; Total project fund: 270.391 €; Total fund for the TU Wien ACUR: 24.235 €)

Abstract: Project COMISO evaluates the use of artificial intelligence to implement novel patterns of interaction in crisis and disaster management and thus addresses unsolved problems in the preparation and availability of heterogeneous data. On the one hand, the interaction of crisis managers with computational systems will be streamlined and made more efficient; both in the command centre and in the field. On the other hand, the interaction with, and engagement of, the public will be individualised and becomes more scalable through new interaction patterns and selective automation. Expected Results: Corroboration of the formulated hypotheses would provide the basis for future technological development with significant added value for all stakeholders. Perspectives that have not been fully considered so far can be represented. The digitization of crisis and disaster management in Austria would be advanced significantly. Finally, the developed proof-of-concept can inform future technological solutions in this area.

“HumBAS”

Knowledge-based building management combining human perception and building automation systems

Type: A national research project in the 6th call of the program ICT of the Future

Duration: Winter 2018–Winter 2020

Project team: Hilda Tellioglu (**scientific partner** and **project site manager**), Max Dorfmann

Other partners: TU Wien Research Unit Automation Systems, NETxAutomation, Caverion Österreich GmbH

Funding: Austrian Research Promotion Agency (FFG), Federal Ministry Republic of Austria for Transport, Innovation and Technology (BMVIT) (Total project cost: 573.519 €; Total project fund: 448.483 €; Total fund for the TU Wien ACUR: 108.668 €)

Abstract: The goal of HumBAS is to combine subjective human perception and objective data orig-

inating from building automation systems (BAS) to improve comfort for building users and infer recommendations for facility managers using knowledge engineering. In general, user feedback offers high potential for improving comfort satisfaction and adapting processes in building operation and management. However, comfort in building zones is usually quantified using sensor devices of BAS while feedback of building users is only manually analyzed by facility managers. Thus, an intuitive interface for the acquisition of human perception as well as a knowledge-based integration of objective and subjective comfort measurements are developed in order to describe an automatic process for direct consideration of user feedback and detection of problems in building management. Privacy concerns according to feedback collection are analyzed while feasibility and acceptance of this approach are evaluated using real-world field studies and experiments under laboratory conditions.

“REBUTAS”

Development of a reactive booking and pricing system for free-floating mobility sharing services

Type: A national research project in the 9th call of the program Mobility of the Future

Duration: Spring 2018–Winter 2020

Project team: Hilda Tellioglu (**co-principle investigator** and **project site manager**), Michael Habiger, Marlene Wagner

Other partners: TU Wien Research Unit Transportation System Planning, goUrban e-Mobility GmbH

Funding: Austrian Research Promotion Agency (FFG), Federal Ministry Republic of Austria for Transport, Innovation and Technology (BMVIT) (Total project cost: 274.415 €; Total project fund: 228.152 €; Total fund for the TU Wien ACUR: 64.347 €)

Abstract: The aim of the project is to promote sustainable mobility solutions such as free-floating mobility sharing in order to contribute to the set climate conditions (e.g., of the city of Vienna) through the use of car-sharing, as well as to reduce traffic, parking space and emissions. The need for new, sustainable transport solutions such as mobility sharing is obvious, but there is still a need for improvement in the practical implementation of these systems. This means that vehicle utilization and customer loyalty can be significantly optimized. The linking of the three elements "booking system", "tariff system" and "NUDGE" are the central problem at which the project starts. With the start-up goUrban, the project is based on a growing, already innovatively designed system, which has a sufficient, but not too large dimensioning and is flexible enough to be able to implement tests and real-world experiments quickly - without excluding a transfer to other municipalities or cities. The basic methodological approach of the project provides an ongoing integration of (potential) users, which is roughly divided into the phases of the co-creation, the user experience and the (semi) real laboratory.

“PHOBILITY aktiv”

Mental Health APP in combination of a wearable to facilitate and support equal and active mobility of persons with anxiety conditions

Type: A national research project in the 9th call of the program Mobility of the Future

Duration: Spring 2018–Spring 2020

Project team: Hilda Tellioglu (**scientific partner** and **project site manager**), Michael Habiger, Marlene Wagner, Gerfried Mikusch

Other partners: MAKAM Research GmbH, AIT - Austrian Institute of Technology GmbH, TU Wien Research Unit Transportation System Planning, Psychosoziale Zentren GmbH, Dr. Christopher Schlembach

Funding: Austrian Research Promotion Agency (FFG), Federal Ministry Republic of Austria for Transport, Innovation and Technology (BMVIT) (Total project cost: 454.281 €; Total project fund: 378.405 €; Total fund for the TU Wien ACUR: 82.129 €)

Abstract: An open traffic system, enabling equal mobility to all social groups is a fundamental

prerequisite of democratic societies. The preceding project PHOBILITY investigated traffic participations of road users who suffer from fears, compulsory disorders or phobias for the first time. Research estimates that the lifetime prevalence of persons among the population who suffer from fears, phobias, and compulsory disorders 10% to 25%. Situational conditions and psychic barriers, and lack of information let persons affected believe that they are unable to control the routine situations of their daily life. A precondition of full traffic participation is the ability to control fears which are related to this situation to a sufficient degree. In the worst case, affected persons withdraw completely from social and occupational life. These persons themselves as well as traffic- and health-experts reported that one of the most important supportive measures are tools for self-distraction, self-calming, and self-manipulation as well as information for travelling and planning trips. These tools help reducing anxieties if they are combined with therapeutic principles. Knowledge derived from the PHOBILITY project is the basis for its successor, PHOBILITYaktiv which aims at developing and testing these solutions. The aim of PHOBILITYaktiv is to enable equal mobility for persons who suffer from anxieties, phobias, and compulsory disorders which also implies equal participation in social life. It shall help them to regain and to maintain their usual forms of mobility and their active participation in public transport as long as possible. In order to achieve this aim, recent developments in the field of mental health apps and cognitive therapy shall be combined.

“embodied gestures”

Sculpting Sonic Expression into Musical Artifacts

Type: A national FWF research project in the Programme for Arts-based Research PEEK

Duration: Fall 2017–Fall 2020

Project team: Hilda Tellioğlu (**co-principle investigator** and **project site manager**), Thomas Gorbach

Other partners: Kunst Universität Linz

Funding: Austrian Science Fund (FWF) (Total project fund for the TU Wien ACUR: 297.400 €)

Abstract: embodied gestures is an artistic-research project exploring the possibilities of shaping the physical affordances of designed electronic music instruments. Having sonic gestures as the source of inspiration, the aim of this artistic-research project is the creation of a new paradigm of digital music instruments which could better support our performative ideas and musical intentions.

“aspern.mobil LAB”

Urban mobility lab aspern.mobil LAB

Type: A national research project in the 7th call of the program Mobility of the Future: Urban Mobility Labs

Duration: Fall 2017–Fall 2021

Project team: Hilda Tellioğlu (**co-principle investigator** and **project site manager**), Fabian Fischer, Michael Habiger, Marlene Wagner, Gerfried Mikusch, Claudia Kurz

Other partners: TU Wien Research Unit Transportation System Planning, Wien 3420 Aspern Development AG, The Neighbourhood Management Office, Büro Jauschneg, upstream - next level mobility

Funding: Austrian Research Promotion Agency (FFG), Federal Ministry Republic of Austria for Transport, Innovation and Technology (BMVIT) (Total project cost: 1.539.500 €; Total project fund: 769.750 €; Total fund for the TU Wien ACUR: 267.237 €)

Abstract: The aspern.mobil LAB creates a space where residents, researchers, municipalities and companies can collectively contribute to the development of new, urban mobility in Seestadt Aspern. It aims to locally establish and support a new culture of mobility and innovation that can become a local flagship project for Austria as a location for innovation. Mobility and innovation culture should be carried by the community emerging around aspern.mobil LAB. The people of Seestadt, R & D actors and local stakeholders think, develop and act on an equal level. The lab

serves as an infrastructure for research and development. As part of the Mobility of the Future program, it is one of 5 urban mobility laboratories in Austria, funded by the Federal Ministry of Transport, Innovation and Technology. The core areas of innovative mobility solutions include active mobility, shared mobility as a service, as well as first/last-mile logistics and the analysis of their spatial, economic, ecological and social added value.

“TOPIC”

The Online Platform for Informal Caregivers

Type: EU AAL Joint research project

Duration: June 2013–May 2016

Project team: Hilda Tellioğlu (**principle investigator** and **project coordinator**), Fabiano Pinatti, Susanne Hensely-Schinkinger, Michael Glanznig, Ivan Breskovic, Tamara Lenes, Elisabeth Gansberger-Wunder

Other partners: ilogs mobile software GmbH (Austria), SOZIAL GLOBAL Aktiengesellschaft (Austria), University of Siegen (Germany), SOPHIA Franken GmbH & Co KG (Germany), AVINOTEC GmbH (Germany), Troyes University of Technology (France), E-Seniors (France), Webinage (France)

Funding: European AAL Joint Program and Austrian Research Promotion Agency (FFG) (Total project fund: 4.330.814 €; Total fund for the TU Wien ACUR: 728.256 €)

Abstract: The aim of this project is to support informal carers in their daily needs with a CarePortfolio. It is an integrated set of shared spaces and services to support the physical and mental care ability of informal carers by enabling learning and orientation about care, offering a platform for cooperation with formal carers, by improving, integrating, and making (mobile) multimodal communication easier and accessible for informal carers to connect with other informal carers, friends, or family members. In TOPIC, we aim at providing a solution to these problems by diminishing family carers' burden, then decreasing all the related problems, and offering them a better quality of life and independence. It will then reduce all the related costs of these “hidden patients”. The solution we offer to develop, the CarePortfolio, will provide multimodal social support to informal carers by means of a set of accessible online services, which would be available at all times via a portal, available on the Internet, via tablets, smartphones, and/or iTV. This set of services will cover the three dimensions of social support: informational, emotional, and tangible. Informational support means the flow of information, advice, or opinions that allow an individual to assess and understand the problem she/he is facing. Emotional support refers to sympathy, empathy, friendship, or love expressed through the support. This dimension is generally recognized as essential to social support. Tangible support means providing support in terms of goods (e.g., donated clothing or equipment) or services (for example, providing assistance in completing the paperwork). Providing a user-friendly and accessible portal to support elderly carers emotionally and socially will alleviate their stress and increase their independence and the efficiency of their daily caregiving tasks. In order to achieve our goal, our consortium combines partners being experts in all the needed domains: a design for the elderly, online social support for family carers, iTV applications development, integrating online shops to provide self-serving facilities in the Internet, information systems infrastructure, development of embedded applications at home, and three end-user organizations, strongly involved in family carers' support. In addition, we have experts who focus on socio-technical measures, which communicate the project results in novel ways so that they reach the targeted end-users appropriately.

8 Professional Activities

Organization of conferences and workshops:

General conference co-chair of the 8th International Conference on Infrastructures in Healthcare (infra-HEALTH 2021)

General conference chair of the 9th International Conference on Communities & Technologies - Transforming Communities (C&T 2019)

General conference co-chair of the 7th International Conference on Infrastructures in Healthcare (infra-HEALTH 2019)

Co-chair of Pre-Summit Workshops on MOOCs at European Computer Science Summit (ECSS'2015)

Member of the organizing committee of ACM GROUP Workshop on Collaboration and Coordination in the Context of Informal Care (CCCiC GROUP 2014)

Member of the organizing committee of ACM CSCW Workshop on Collaboration and Coordination in the Context of Informal Care (CCCiC CSCW 2014)

General conference co-chair of the ACM International Conference on Supporting Group Work (GROUP 2012)

Co-chair of Symposia, Workshops and Special Sessions at the 2012 International Conference on Collaboration Technologies and Systems (CTS 2012)

Posters co-chair of the 2012 ACM Conference on Computer Supported Cooperative Work (CSCW 2012)

Organizing committee co-chair of the International Conference on Computer Systems and Technologies (CompSysTech'11)

Co-chair of Symposia, Workshops and Special Sessions at the 2011 International Conference on Collaboration Technologies and Systems (CTS 2011)

Organizer of the International Symposium: From Understanding the Present to Envisioning the Future (UPEF 2011)

Conference co-chair of the 11th European Conference on Computer Supported Cooperative Work EC-SCW'09

Membership on editorial board of scientific journals:

Special Issue: Knowledge engineering and management applied to sustainability & innovation

International Journal of E-Adoption (IJEA)

International Journal of Intelligent Systems and Applications in Engineering (IJISAE)

International Journal of Knowledge Management Research & Practice

Associate editor of WI 2019

PC, AC, SC chair & steering committee member¹:

Steering committee member of the ACM International Conference on Supporting Group Work (GROUP) since 2012

Steering board member of the Association of EUSSET (European Society for Socially Embedded Technologies) since 2009

Team member of the ACM SIGCHI Diversity & Inclusion "IDEAS in Action" Group

Subcommittee co-chair of the ACM Conference on Human Factors in Computing Systems (CHI 2020)

Doctoral Colloquium co-chair of the ACM International Conference on Supporting Group Work (GROUP 2020)

Diversity and Inclusion co-chair of the 22nd ACM Conference on Computer Supported Cooperative Work (CSCW 2019)

Diversity and Inclusion co-chair of the 21st ACM Conference on Computer Supported Cooperative Work (CSCW 2018)

¹PC=program committee, AC=associate chair, SC=subcommittee chair.

Mentor of the Doctoral Colloquium of the 21st ACM Conference on Computer Supported Cooperative Work (CSCW 2018)

Associate chair of the ACM Conference on Human-Computer Interaction (CHI 2017)

Associate chair of the ACM Conference on Human-Computer Interaction (CHI 2016)

Associate chair of the 19th ACM Conference on Computer Supported Cooperative Work (CSCW 2016)

Associate chair of the 18th ACM Conference on Computer Supported Cooperative Work (CSCW 2015)

Associate chair of the ACM Conference on Human Factors in Computing Systems (CHI 2013)

Associate chair of the 2012 ACM Conference on Computer Supported Cooperative Work (CSCW 2012)

Associate chair of the 29th ACM Conference on Human Factors in Computing Systems (CHI 2011)

Associate chair of the 2011 ACM Conference on Computer Supported Cooperative Work (CSCW 2011)

Associate chair of the 28th ACM Conference on Human Factors in Computing Systems (CHI 2010)

Member of the international technical program committee of the 2010 International Symposium on Collaborative Technologies and Systems (CTS 2010)

PC memberships:

16th International Conference on Information Systems for Crisis Response and Management (ISCRAM 2019)

Knowledge, Semantics and AI for Risk and Crisis Management at ISCRAM 2019

12th International Conference on Advances in Computer-Human Interactions (ACHI 2019)

34th ACM Symposium On Applied Computing (SAC 2019)

1st International Workshop on Software Engineering for Healthcare (SEH 2019)

31th IEEE International Symposium on Computer-Based Medical Systems (CBMS 2018)

16th European Conference on Computer-Supported Cooperative Work (ECSCW 2018)

11th International Conference on Advances in Computer-Human Interactions (ACHI 2018)

International Workshop on Software Engineering in Healthcare Systems (SEHS 2018)

International Conference on Computer Systems and Technologies (CompSysTech'17)

8th Balkan Conference in Informatics (BCI 2017)

6th International Conference on Infrastructures in Healthcare (infraHEALTH 2017)

ACM Conference on Human-Computer Interaction – Late-Breaking Work (CHI 2017)

15th European Conference on Computer-Supported Cooperative Work (ECSCW 2017)

12th International Conference on the Design of Cooperative Systems (COOP 2016)

ACM International Conference on Supporting Group Work (GROUP 2016)

European Conference on Computer-Supported Cooperative Work (ECSCW 2015)

2015 IEEE Internet Computing

8th Nordic Conference on Human-Computer Interaction (NordiCHI 2014)

Innovative technologies and didactics in teaching (ITDT 2014)

11th International Conference on the Design of Cooperative Systems (COOP 2014)

4th International Workshop on Knowledge Management and Collaboration (KMC 2014)

International Conference on Computer Systems and Technologies (CompSysTech'14)

Special Issue of JCSCW Collaboration meets Interactive Surfaces – Walls, Tables, Tablets and Phones

Computer-Supported Collaborative Learning at Work (CSCL@Work) – Bridging Learning and Work, a Workshop at CSCL2013

European Conference on Computer-Supported Cooperative Work (ECSCW 2013)

26th International Conference on Computer-Based Medical Systems (CBMS 2013)

International Conference on Innovative Technologies and Didactics in Teaching (ITDT2013)

10th International Conference on the Design of Cooperative Systems (COOP 2012)

International Conference on Computer Systems and Technologies (CompSysTech'12)

2nd International Workshop on Knowledge Management and Collaboration (KMC 2014)

Workshop Be-greifbare Interaktion in gemischten Wirklichkeiten (MuC 2011)

3rd International Workshop on Web Intelligence & Communities (WI&C'11)

7th E-learning Conference and the Knowledge Society

2th European Conference on Computer Supported Cooperative Work (ECSCW'11)

ACM International Conference on Supporting Group Work (GROUP 2010)

6th Conference on E-learning and the Knowledge Society (EL 2010)

2nd International Workshop on Web Intelligence and Virtual Enterprises (WIVE 2010)

International Conference on Computer Systems and Technologies (CompSysTech'10)

9th International Conference on the Design of Cooperative Systems (COOP 2010)

11th European Conference on Computer Supported Cooperative Work (ECSCW'09)

International Conference on Computer Systems and Technologies (CompSysTech'09)

Review of papers:

ACM International Conference on Supporting Group Work (GROUP 2020)

14th International Conference on Business Informatics (WI 2019)

ACM Conference on Human Factors in Computing Systems (CHI 2019)

22nd ACM Conference on Computer Supported Cooperative Work (CSCW 2019)

Eleventh International Conference on Advances in Computer-Human Interactions - ACHI 2018

ACM International Conference on Supporting Group Work (GROUP 2018)

21st ACM Conference on Computer Supported Cooperative Work (CSCW 2018)

ACM International Conference on Supporting Group Work (GROUP 2016)

9th Nordic Conference on Human-Computer Interaction (NordiCHI 2016)

ACM Conference on Human Factors in Computing Systems (CHI 2015)

Communications of the ACM

International Journal of Human-Computer Studies

International Conference on Computer-Human Interaction Research and Applications (CHIRA)

IEEE Internet Computing

IEEE Transactions on Human-Machine Systems

Health Informatics Journal

Health Informatics Journal, SAGE Journals

Scandinavian Journal of Information Systems

Journal of HCI

Social Network Analysis and Mining

Computer Supported Cooperative Work (CSCW). The International Journal of Collaborative Computing and Work Practices

7th International Conference on Tangible, Embedded and Embodied Interaction (TEI 2013)

30th ACM Conference on Human Factors in Computing Systems (CHI 2012)

International Journal of E-Adoption (IJEA)

Journal of Knowledge Management Research & Practice

12th biennial Participatory Design Conference (PDC 2012)

6th International Conference on Tangible, Embedded and Embodied Interaction (TEI 2012)

ACM International Conference on Interactive Tabletops and Surfaces (ITS 2011)

7th International Conference on Cooperative Design, Visualization and Engineering (CDVE 2010)

ACM International Conference on Interactive Tabletops and Surfaces 2010 (ITS 2010)

27th ACM Conference on Human Factors in Computing Systems (CHI 2009)

16th European Conference on Information Systems (ECIS 2008)

Advisory boards:

Member of the Advisory Board (Fachbeirat) of Chamber of Labour (AK Wien), Vienna

Member of the Advisory Board (Fachbeirat) of Chamber of Labour (AK Niederösterreich), Lower Austria

International Conference on Advanced Technology and Sciences (ICAT'14)

Member of scientific committee of the ditact_women's IT summer studies in Salzburg

Reviewer for scientific journals and research projects/grants:

2017 International Journal of Human-Computer Studies

2013 Scandinavian Journal of Information Systems

2016 Health Informatics Journal

2017 Journal of Knowledge Management Research & Practice KMRP

2013 Journal: IEEE Transactions on Human-Machine Systems

2018 Special Issue of Knowledge, Innovation and Sustainability (IKJ)

2019 Journal Social Network Analysis and Mining (SNAM)

since 2016 review board member of the International Journal of E-Adoption (IJEA)

since 2009 review board member of the International Journal of Collaborative Computing and Work Practices (CSCW)

Tenure evaluations, promotion boards:

Assessment of Assistant/Associated Professors for the Appointment Committee "IT für die alternde Gesellschaft", University of Siegen, 2020

Primary Examiner of PhD Thesis at the University of Oslo, Norway, 2020

Assessment Committee for Assistant/Associate professor, Service Design and Human-centered Computing, IT University of Copenhagen, 2019

Primary Examiner of PhD Thesis at the Southern Cross University, Australia, 2018

Assessment of Computer Science Discovery Grant applications for Natural Sciences and Engineering Research Council of Canada (NSERC), 2015

9 Teaching

Since 1992, I am involved in teaching at our university. My main courses are/were among others “Digital Transformation”, “Design Studies”, “Socially Embedded Computing”, “Theories of CSCW Systems”, “Change Management”, “Usability Engineering”, “Project-oriented research and design methods 1+2”, “Cooperative Work”, “Design Thinking: Ideation and Explorative Prototyping”, “Foundations of method-based work”, etc. My courses of type VO are normally visited by up to 200 students, VU by 20-30 students. Besides the official feedback tools in TISS, I have always used forms to fill in at the end of the terms to get my students’ feedback and suggestions for improvement. I got so far only positive feedback by my students, which motivates me to carry on with the innovative interactive teaching methods that I apply in my classroom, at my OpenLab, and electronically in the e-learning platform TUWEL of our university I use in all my courses.

Notice: TISS (our system to manage courses at the university) provides data only for courses announced last 13 years. That is why the following alphabetically sorted detailed list contains only the courses from this period. I supervised several bachelor students (21 of them are listed), master students (52 so far), and PhD students (12 so far, 3 are still ongoing) (for details see the lists provided later). For details please visit my [website](#).

In all students’ thesis I tried to combine scientific contribution with technology development – at least as hi-fi prototypes – in a user-centred innovative design project. I think our students learn, practice, and reflect very well to the multimodal iterative design processes in their thesis which opens up new dimensions for them in their future work. I have established an OpenLab (with several tools and hands-on environment) for our students (mainly of media informatics) to create a work and inspiration space facilitating innovative design and means of design thinking. Several project works are carried out at the lab, partly with supervision of us. Our PhD students – if they are not working with me in our research unit – have well established jobs either in industries or in academia. Some of them have created their own enterprise and cooperate with me in form of knowledge transfer projects.

Course no/type	Title (Terms)	Hours/ECTS
187.A99 PR	Bachelor Thesis for Informatics and Business Informatics (2019W 2019S 2018W 2018S 2017W 2017S 2016W 2016S)	5.0/10.0
187.A13 PR	Bachelor Thesis for Informatics and Business Informatics (2015W 2015S 2014W 2014S 2013W 2013S 2012W 2012S 2011W)	5.0/10.0
180.780 PR	Bachelor with Honors Internship Project (2019S 2018W)	4.0/6.0
180.780 PR	Bachelor with Honors Internship Project (2018W)	4.0/6.0
187.A15 VU	Change Management (2019W 2018W 2017W 2016W 2015W 2014W 2013W 2012W 2011W)	4.0/6.0
187.312 VU	Cooperative Work (2011S 2010S 2009S 2008S)	2.0/3.0
193.044 SE	Critical Algorithm Studies (2019S 2018S)	2.0/3.0
187.A27 VU	Design Studies (2021S)	2.0/3.0
187.B09 VU	Design Thinking: Ideation (2019W 2018W 2017W)	4.0/6.0
187.B10 VU	Design Thinking: Explorative Prototyping (2019S 2018S)	4.0/6.0
193.084 VO	Digital Transformation (2021W 2020W)	2.0/2.0
193.057 EX	Excursion (2019W)	2.0/3.0
187.278 EX	Exkursion (2014S 2016S 2017W)	2.0/3.0
187.276 LU	Experimental design of multimedia applications and presentation strategies 2 (2011S 2010S 2009S 2008S)	2.0/3.0
187.259 SE	Foundations of method-based work (2010W 2010S 2009S 2008S)	2.0/3.0
187.B14 PR	From Design to Software 1 (2018W 2017W)	4.0/6.0
193.031 PR	From Design to Software 2 (2019S 2018S)	4.0/6.0
187.291 PR	Interdisciplinary Project Work: Interaction Design (2011S 2010W 2010S 2009W 2009S 2008W 2008S 2007W)	1.0/1.5
187.327 SE	Media informatics Seminar (2011S 2010W 2010S)	2.0/3.0

180.767 SE	Orientation Bachelor with Honors of Informatics and Business Informatics (2019S 2018W 2018S)	1.0/1.0
180.766 VU	Orientation Informatics and Business Informatics (2019S 2018W 2018S 2017W)	1.0/1.0
187.289 PR	Practical Work in Human-Computer-Systems (2011S 2010W 2010S 2009W 2009S 2008W 2008S 2007W)	4.0/6.0
193.042 PR	Project of Media and Human Centered Computing 1 (2019W 2018W)	4.0/6.0
193.043 PR	Project of Media and Human Centered Computing 2 (2019S)	4.0/6.0
187.279 PR	Project Work (2011S 2010W 2010S 2009W 2009S 2008W 2008S 2007W)	4.0/6.0
187.303 PR	Project Work 1 (2011S 2010W 2010S 2009W 2009S 2008W 2008S 2007W)	4.0/6.0
187.314 PR	Project Work 2 (2011S 2010W 2010S 2009W 2009S 2008W 2008S 2007W)	4.0/6.0
187.A30 VU	Project-oriented research and design methods 1 (2017S 2016W 2016S 2015S 2014S 2013S 2012S)	4.0/6.0
187.A56 VU	Project-oriented research and design methods 2 (2016W 2015W 2014W 2013W 2012W 2011W)	4.0/6.0
193.052 SE	Scientific Work (2019W)	2.0/3.0
180.765 SE	Scientific Work (2019S 2018W 2018S 2017W 2017S 2016W)	2.0/3.0
187.190 SE	Seminar (with bachelor thesis) (2011S 2010W 2010S 2009W 2009S 2008W 2008S 2007W)	4.0/6.0
187.A14 SE	Seminar for Master Students (2011W 2012S)	2.0/3.0
187.A72 SE	Seminar for PhD Students (2019W 2019S 2018W 2018S 2017W 2017S 2016W 2016S 2015W 2015S 2014W 2014S 2013W 2013S 2012W)	2.0/3.0
187.188 SE	Seminar for PhD candidates (2011S)	2.0/3.0
187.311 SE	Seminar for diploma candidates (2019W 2019S 2018W 2018S 2017W 2017S 2016W 2016S 2015W 2015S 2014W 2014S 2013W 2013S 2012W 2011W 2011S 2010W 2010S 2009W 2008W 2008S 2007W)	2.0/3.0
187.334 SE	Seminar on Media Informatics (2011S 2010W)	2.0/3.0
180.775 SE	Seminar for Master Students in Media and Human-Centered Computing (2019S 2018W)	1.0/1.5
193.030 VU	Socially Embedded Computing (2019S 2018S)	3.0/4.0
187.A11 VU	Socially Embedded Computing (2017S 2016S 2015S 2014S 2013S 2012S)	6.0/9.0
187.A12 VU	Socially Embedded Computing for Business Informatics (2017S 2016S 2015S 2014S 2013S 2012S)	4.0/6.0
180.781 VU	Summer/Winter School for Bachelor with Honors (2019S 2018W)	2.0/3.0
187.315 VO	Theories of CSCW Systems (2010W 2009W 2008W)	2.0/3.0
187.182 LU	Theories of CSCW systems (2011S 2010S 2009S 2008S)	2.0/3.0
187.321 VU	Usability Engineering (2010W 2009W 2008W)	2.0/3.0
187.318 VO	Women's View to Technology (2010W 2009W 2008W)	2.0/3.0

Latest bachelor thesis I supervised:

1. Theresa Reiterer: Objektbezogene Notizen mittels Augmented Reality am Anwendungsfall von Heimbetreuung und -pflege: Entwurf einer mobilen AR Applikation zum verbesserten Informationsaustausch, 2021
2. Simon Schwantler: Distance Learning an Schulen. Eine Analyse von Problemen durch den Umstieg von Präsenzlehre auf Distanzlehre, 2021
3. Samuel Hönle: Know Your Urban Cyclist. A Concept to Enable Theory-Driven Evidence-Based Urban Cycling Policy Evaluation, 2021
4. Iryna Vorobei: Herausforderungen und technologische Unterstützung der Arbeitnehmer/innen in Change Prozessen, 2021

5. Bartuska Wassily: Algorithmic Transparency, 2020
6. Verena Schwarz: Digitale Transformation im Change Management, 2019
7. David Rozak: Die Datenschutz-Grundverordnung mit der Digitalisierung und mit Prozess-änderungen, 2019
8. Benedikt Tomaselli: Facilitating Smart Homes. Mit Einbeziehung der Hausverwaltung, 2018
9. Lukas Frank, Natasa Nikic: Indoor navigation with Bluetooth Low Energy in crowded place, 2018
10. Bastian Christ: Beacontechologie: Indoornavigation und dessen Vermarktung im Bereich des öffentlichen Verkehrs, 2018
11. Markus Drechsel, Lukas Inschlag: Increasing the efficiency of sales processes and reducing the interaction overhead with ERP-Systems by using mobile applications, 2017
12. Marc Kaiblinger: Change Management eines Datenbankmanagementsystems, 2017
13. Gregor Liebenberger: Innerbetriebliche Kommunikation im Change Management, 2017
14. Lukas Pichlhöfer: Dragon's Lair. Ein selbsterklärendes Gesellschaftsspiel auf Basis eines TUIs, 2016
15. Maria Zisser: Prototyp zur Verbesserung der Lebensmittel- und Secondhandverteilung in Wien, 2016
16. Zeno Casellato: Design and Usability Implications for using the CrowdTasker Mobile Application in Crisis and Disaster Management, 2016
17. Birgit Chmelar: Mapping von Gesten auf Töne, 2016
18. Oliver Reiter: Trainingssoftware im Profisport. Entwicklung eines Prototypen zur Trainingsaufzeichnung und -planung im Skicross, 2016
19. Filip Petkoski: Schwachstellen der kostenfreien Digital Audio Workstations (DAWs), 2016
20. Daniel Wailzer: Austria Wine Recommender, 2015
21. Christian Kletzander, Alexander Kögler: Interaktionsmechanismen für den Lernprozess einer mobilen e-Learning Applikation, 2014

Master thesis I supervised:

1. Matthias Bauer: Dynamic fill-up and picking process for small and middle sized food market companies, 2021
2. Kristina Schiechl: Participation in Public Places - Ermöglichungsflächen at Seestadt Aspern, 2020
3. Hana Salihodžic: Green Vibrations: An Intergenerational Approach Towards Mitigating Climate Change, 2020
4. Lukas Naske: Software components supporting the implementation of multimedia applications for Android, 2020
5. Ludwig Werzowa: Distinguishable Notifications via Vibrotactile Signals, 2020
6. Anna Lea Kutsch: On the Use of Wearables and Biofeedback Interventions for People with Anxiety Disorders; Abschlussprüfung: 21.06.2019.
7. Birgit Chmelar: Interaction Techniques for Manually Rearranging Images on Mobile Devices; Betreuer/in(nen): together with Roman Ganhör; Abschlussprüfung: 18.06.2019.

8. Jakob Michael Blattner, Raphael Kamper: Designing a Musical User Interface for Non-Musically Trained People. Including a Mechatronic String Instrument; together with P. Fikar; Abschlussprüfung: 10.01.2019.
9. Tanja Maria Wenter: Efficient Integration of Usability and Accessibility into the Lifecycle of Web Development Projects; together with F. Cech; Abschlussprüfung: 30.11.2017.
10. Astrid Rauscher: Development of a Mobile Digital Pet Exergame to Motivate People to Physical Activity with Consideration of the Social Aspect, together with Roman Ganhör, 2017
11. Martin Kropatschek: BenutzerInnenzentriertes Design eines Responsive Web Klassenbuchs, 2015
12. Stefan Janzek-Hawlat: Impact of waiting times in health care. By the example of outpatient clinics and general practitioners, 2015
13. Jakob Frohnwieser: Cooperative Workflows in Small and MediumSized FilmProduction Companies, together with Roman Ganhör, 2015
14. Johann Houszka: Einsatz von Empfehlungssystemen zur interaktiven Taktikerstellung im Sportwesen, 2014
15. Arnold Belohlavek: Balancing Team Building, 2014
16. Sandra Dietinger: Lernspiele für Kinder: Was interessiert dich?, 2014
17. Peter Fikar, Michael Habiger: Sky Haven. A Location Aware Mobile Serious Game for Encouraging Activity, 2014
18. Karoline Mattanovich: Emergency Management, 2014
19. Stefanie Rumpold: Textmining by Humans. Quality assessment of users on medical content on the Internet, 2014
20. David Sellitsch: A Context-Aware Music Player, 2014
21. Daniel Auferbauer: An Electronic Assistance Systems for Awareness of Physical Presence, 2013
22. Andreas Bretschneider: NFC Home Control, 2013
23. Evelyn Koller: Feel with me. Visualisierung und Kommunikation von Emotionen anhand eines tangible Tagebuchs, 2013
24. Ivana Simeunovic: BenutzerInnenzentriertes Design: Interaktives Reisetagebuch für SeniorInnen , together with Özge Subaşı, 2013
25. Stefanie Guggenberger: I think of you. Visualisierung sozialer Interaktionen, 2013
26. Andreas Hörmann: Usability von benutzbaren Bewertungssystemen am Beispiel Tanzsport, 2013
27. Simon Diesenreiter: Awareness im Enterprise 2.0. Empirische Untersuchung über Awareness im Arbeitsumfeld einer Softwareentwicklungsfirma, 2013
28. Stefanie Kaiser: Tangible Interaction im bezug auf Kochrezeptsammlungen, 2013
29. Andreas Kuntner: Application of User Interaction Description Languages to Provide Accessible Interfaces for Elderly People, 2012
30. Manuel Mayrhofer: Interactive Online Teaching, 2012
31. Sasche Klemen: Auswirkung von Social Networking im betrieblichen Geschäftsumfeld, 2012
32. Petra Eibl: Kooperative Abwesenheitsplanung in einem ERP-System, 2011

33. Dominik Kerndl: Optimaler Einsatz Social Networking Services mit Groupwarefunktionalität in der Online Spielergemeinde, 2011
34. Thomas Linhart: Interaktionsdesign für physikalische Simulationsspiele auf mobilen Endgeräten, 2011
35. Agnes Kahofer: MusicTheoryTable: Ein Tangible User Interface zur Unterstützung des Musikundeunterrichts an Musikschulen, supervised together with Lisa Ehrenstrasser, 2011
36. Petra Ollram: Presentation Support: enHANDced – A Gestural Interface Prototype with a Data Glove, 2010
37. Helmut Chlebeczek: Digital Game-Based Learning. Lernen mit digitalen Lernspielen, 2010
38. Oliver Grof: From OpenSocial to Enterprise 2.0. A review of social software concepts and technologies, 2010
39. Wolfgang Spreicer: Gemeinsam statt einsam: BenutzerInnenzentriertes Design von intuitiven Technologien mit Tangible User Interface für ältere Menschen, supervised together with Lisa Ehrenstrasser, 2010
40. Stevica Vucicevic: Einführung von ITIL Release Management in einer österreichischen Grossbank, 2009
41. Gerold Mosinzer: Usability of ERP Systemen am Beispiel von SAP Netweaver User Interfaces, 2009
42. Christian Lechthaler: Redesign mittels Modellierung, 2009
43. Christian Höglinger & Patrick Kastner: Community Support Systeme am Beispiel einer elektronischen Datenbank für bildende KünstlerInnen, 2009
44. Martin Carnogursky: Evaluation and redesign of ERP systems: a methodical approach, 2009
45. Hasan Kilic: Projektautomatisierung und Build-Prozess, 2008
46. Mirjana Miljanovic: Frauen und Technik. Zugang von Frauen zur Technik im Rahmen von Informatikstudien, 2008
47. Marius Lessiak: Interaktionsdesign in Webapplikationen, 2007
48. Leonhard Fischer: Kooperation mittels Medienmanagement am Beispiel eines Zeitungsverlags, 2007
49. Florian Kinast: Community Networks & Cyberdemocracy, 2003
50. Sylvia Wiltner: Interaction Design, 2003
51. Carl Wernhart: Entwicklung von freier Software im Internet als soziales Phänomen, 1999
52. Tarun Sachdeva: Electronic Commerce mit Fallbeispiel Online-Kartenverkauf, 1999

PhD thesis I supervised:

1. Peter Fikar: Interaction Design for Children with Visual Impairments, ongoing
2. Florian Cech: Algorithmic Accountability - Transparency, Agency and Literacy in the Age of the Algorithm, 12.12.2022
3. Susanne Koch Stigberg: Mobile interaction research, 02.02.2022
4. Susanne Schinkinger: Support for informal caregivers: Creating a model for a comprehensive local offer using the example of the City of Vienna, 29.05.2020
5. Daniel Auferbauer: Towards enhancing the resilience of communities with new media, 11.12.2019

6. Wolfgang Spreicer: Designing Tangible Interaction for Accessible Communication Technologies for Elderly People, 17.06.2019
7. Miroslav Sili: UX in the AAL Field of Practice. Interaction Design Framework Targeting Long-Standing User Engagement with Interactive Systems, Rigorosum: 14.02.2019
8. Roman Ganhör: Mobile News Generation - Designing Interfaces and Interaction Mechanisms for Mobile Video Editing, 28.11.2016
9. Özge Subasi: A Design Anthropological Approach to Turkish Product Experiences in Vienna; Betreuer/in(nen), Begutachter/in(nen): R. Horak, H. Tellioglu; Universität für angewandte Kunst Wien, Institut für Kunstwissenschaften, Kunstpädagogik und Kunstvermittlung, Abteilung Kunst und Kultursociologie, 2011; Rigorosum: 15.04.2011
10. Thomas Zahler: A Safety-Aware User Interface Design Process for Voice Communication Systems for European Railway, 2010
11. Johannes Siglär: Raummetaphern und ihre informationstechnische Interpretation, 1999
12. Manfred Fuchs, Franz Nirschl: Management von Kompetenzen für Personalauswahl und Teambildung in sicherheitskritischen Bereichen; together with J. Dorn; Rigorosum: 17.06.2008

10 Publications

10.1 Books, edited books, and chapters of book

1. Tellioglu, H. (2022). User-Centered Design. In: Xiang, Z., Fuchs, M., Gretzel, U., Höpken, W. (eds.) *Handbook of e-Tourism*. Springer, Cham. DOI: 10.1007/978-3-030-05324-6_122-1
2. Tomás, E., Kaltenbrunner, M., Gorbach, T., Tellioglu, H. (2021) (Eds.). *Embodied Gestures*, TU Wien Academic Press, Vienna, Austria. DOI: 10.34727/2021/ ISBN: 978-3-85448-047-1
3. Tomás, E., Gorbach, T., Tellioglu, H., Kaltenbrunner, M. (2021). "Embodied Gestures: Sculpting Sonic Expression into Musical Artifacts". In Tomás, E., Kaltenbrunner, M., Gorbach, T., Tellioglu, H. (Eds.), *Embodied Gestures*. TU Wien Academic Press, pp. 81-98. DOI: 10.34727/2021/
4. Tellioglu, H. (2021). "User-Centred Design as a Model-Based Co-Creation Process". In Tomás, E., Kaltenbrunner, M., Gorbach, T., Tellioglu, H. (Eds.), *Embodied Gestures*. TU Wien Academic Press, pp. 133-142. DOI: 10.34727/2021/
5. Tellioglu, H., Nathan, L., Teli, M. (Eds.) (2019) *Proceedings of the 9th International Conference on Communities & Technologies – Transforming Communities (C&T 2019)*, June 3-7, ACM Digital Library, ACM New York, NY, USA, 2019, ISBN: 978-1-4503-7162-9, 375 pages.
6. Tellioglu, H. (Ed.) (2017). *Elderly Carers, Technologies, Privacy and Data Protection: Challenges in Matching User Needs and Ethics Issues*. Institut für Gestaltungs und Wirkungsforschung, Nr. 20, January 2017, Wien, ISSN: 1021-7363, 29 pages.
7. Tellioglu, H., Harakchiyska, T. (Eds.) (2016). *European Evaluation Framework for Computing Education and Training 2020 (EEFCET 2020)*, Erasmus Network 539461-LLP-1-2013-1-BG-ERASMUS-ENW Future Education and Training in Computing: How to support learning at anytime anywhere (FETCH), TU Verlag, Vienna, ISBN: 978-3-903024-27-4, 124 pages.
8. Janzek-Hawlat, St., Tellioglu, H. (2016). "Waiting for Health Care Services", Book Chapter 11, in Graffigna, G. (ed.), *Transformative Healthcare Practice through Patient Engagement*, Volume in the Advances in Medical Diagnosis, Treatment, and Care (AMDTTC) Book Series, Medical Information Science Reference, An Imprint of IGI Global, USA, pp. 276-301. DOI: 10.4018/978-1-5225-0663-8.ch011

9. Tellioğlu, H., Lewkowicz, M., Pinatti De Carvalho, A. F., Breskovic, I., Schorch, M. (2014). *Proceedings of the ACM CSCW Workshop on Collaboration and Coordination in the Context of Informal Care*, February 15, Baltimore, MD, USA, ACM, ISSN 1021-73643, Institut für Gestaltungs- und Wirkungsforschung, Nr. 18, February 2014.
10. Tellioğlu, H., Finholt, T. A. (Eds.) (2012). *Proceedings of the 2012 ACM International Conference on Support Group Work*, GROUP '12, October 27–31, 2012, Sanibel Island, Florida, USA. ACM. ISBN 978-1-4503-1486-2
11. Tellioğlu, H. (2012). "About Representational Artifacts and Their Role in Engineering". In G. Viscusi, G. Campagnolo, & Y. Curzi (Eds.), *Phenomenology, Organizational Politics, and IT Design: The Social Study of Information Systems*. Hershey, PA: IGI Global, pp. 111-130. DOI: 10.4018/978-1-4666-0303-5.ch007
12. Johnsen, S. G., Schümmer, T., Haake, J., Pawlak, A., Jorgensen, H., Sandkuhl, K., Stirna, J., Tellioğlu, H. & Jacucci, G. (2007). "Model-based Adaptive Product and Process Engineering", *New Technologies for the Intelligent Design and Operation of Manufacturing Networks*, Rabe, M. & Mihok, P. (eds.), Fraunhofer IRB Verlag, Stuttgart.
13. Tellioğlu, H. (2007). *Cooperative Work*, Habilitationsschrift, Technische Universität Wien, Fakultät für Informatik, Wien.

10.2 Peer-reviewed journals

1. Slingerland, G., Mikusch, G., Tappert, S., Paraschivoiu, I., Vettori, B., Tellioğlu, H. (2024) The role of digital technologies in urban co-creation practices. *Human Technology*, 20(2), pp. 244–284. DOI: [10.14254/1795-6889.2024.20-2.3](https://doi.org/10.14254/1795-6889.2024.20-2.3)
2. Ramsauer, D., Dorfmann, M., Tellioğlu, H., Kastner, W. (2022) "Human Perception and Building Automation Systems". *Energies*, 15(5), Article 1745, 23 pages, ISSN: 1996-1073. DOI: [10.3390/en15051745](https://doi.org/10.3390/en15051745)
3. Hensely-Schinking, S., Schorch, M., Tellioğlu, H. (2018). "Using Cultural Probes in the Sensitive Research Setting of Informal Caregiving. A Case Study.", *i-com, Journal of Interactive Media*, De Gruyter, 17(2), pp. 103-117, ISSN (Online) 2196-6826, ISSN (Print) 1618-162X. DOI: [10.1515/icom-2018-0010](https://doi.org/10.1515/icom-2018-0010)
4. Tellioğlu, H. (2016). "The Role of Design Models in Design Thinking". *IADIS International Journal on Computer Science and Information Systems*, 11(2), pp. 132-145. ISSN: 1646-3692. ([pdf](#))
5. Tellioğlu, H. (2016). "FCE: A Framework for Curriculum Evaluation". *International Journal of Human Capital and Information Technology Professionals (IJHCITP)*, 7(3), pp. 19-32. DOI: [10.4018/IJHC-ITP.2016070102](https://doi.org/10.4018/IJHC-ITP.2016070102)
6. Tellioğlu, H., von Franque, A., Kletzander, Ch., Kögler, A. (2014). "UML Quiz: Automatic Conversion of Web-based E-Learning Content in Mobile Applications", *IADIS International Journal on WWW/Internet*, 12(2), pp. 68-84, ISSN: 1645-7641. ([pdf](#))
7. Tellioğlu, H., Ehrenstrasser, L., Spreicer, W. (2012). "Multimodality in Design of Tangible Systems", *Journal ICOM Special Issue on AAL, i-com*, 11(3), November, pp.19-23. DOI: [10.1524/icom.2012.0033](https://doi.org/10.1524/icom.2012.0033)
8. Tellioğlu, H. (2003). "Modeling Coordinated Work: Definition and Application of the Model "Coordinated Work Environment"", *The Journal of Supercomputing. An International Journal of High-Performance Computer Design, Analysis, and Use*, 24(2), pp. 161-171. DOI: 10.1023/A:1021750826139
9. Tellioğlu, H. & I. Wagner (2001). "Work Practices Surrounding PACS. The Politics of Space in Hospitals", *Computer Supported Cooperative Work: The Journal of Collaborative Computing*, 10(2), Kluwer Academic Publishers, Netherlands, pp.163-188. DOI: 10.1023/A:1011298824442

10. Lundberg, N. & H. Tellioğlu (1999). "Understanding Complex Coordination Processes in Health Care", *Scandinavian Journal of Information Systems*, 11(2), July 1999, University of Aalborg, Denmark, pp. 157-181. ([pdf](#))
11. Tellioğlu, H. & I. Wagner (1999). "Cooperative Work Across Cultural Boundaries in Systems Design", presented in COST A4 Final Conference, Copenhagen, October 2-3; *Scandinavian Journal of Information Systems*, 11(2), July 1999, University of Aalborg, Denmark, pp. 97-114. ([pdf](#))
12. Wild, C., Peissl, W. & H. Tellioğlu (1998). "An Assessment of PACS (Picture Archiving and Communication System). The Case Study of the SMZO Project", *International Journal of Technology Assessment in Health Care*, 14(3), pp. 573-582. DOI: 10.1017/S0266462300011545
13. Tellioğlu, H. & I. Wagner (1997). "Negotiating Boundaries. Configuration Management in Software Development Teams", *Computer Supported Cooperative Work: The Journal of Collaborative Computing (CSCW)*, 6(4), Kluwer Academic Publishers, Netherlands, pp. 251-274. DOI: 10.1023/A:1008686916910

10.3 Peer-reviewed contributions to conferences and workshops

1. Tellioğlu, H., (2024). Speculative Design and Human Behavior in Seeding the Future of Mobility. In: Proceedings of mobil.TUM 2024 – The Future of Mobility and Urban Space, April 10-12, 2024.
2. Tellioğlu, H., (2024). Challenges in Participation of Vulnerable Groups in Design Processes. In: Practices of Participation and Co-Creation in CSCW Healthcare Research as Proceedings of the Workshop on Practices of Participation and Co- Creation in Healthcare: Lessons Learned and Advancements of Established Methodologies at the 22nd European Conference on Computer-Supported Cooperative Work: The International Venue on Practice-centered Computing on the Design of Cooperation Technologies, Volume 21, Issue 2, IISI - International Institute for Socio-Informatics, pages 28-33, ISSN 1861-4280, 2024.
3. Tellioğlu H., (2024). Human-Mobility Design: Reconsidering Mobility Infrastructures through Speculative Design. In: Workshop on Infrastructure and Creativity: Can they co-exist? at the 22nd European Conference on Computer-Supported Cooperative Work: The International Venue on Practice-centered Computing on the Design of Cooperation Technologies, pages 1-10, 2024.
4. Tellioğlu, H., Mikusch, G., Kirchberger, C., Keseru, I. Geurs, K.T., Buettner, B., Bettori, B. (2023). Co-Creation Practices and Technologies for Open Urban Planning. In Proceedings of the 11th International Conference on Communities and Technologies (C&T '23). Association for Computing Machinery, New York, NY, USA, 258–261. <https://doi.org/10.1145/3593743.3593786>
5. Mikusch, G., Petz, A., Steiner, E., Tabakovic, M., Tellioğlu, H. (2023). Environmental data sensing through participatory urbanism. A best practice analysis & city administration perspective. In Proceedings of the GI-Salzburg 23, 4. - 6. Juli 2023 in Salzburg, Austria.
6. Tellioğlu, H. (2022). "Co-design approaches to AAL". Keynote at the ICIAP 2022. May 24, Lecce, Italy.
7. Tellioğlu, H. (2021). "Support for Informal Caregivers: Use of Infrastructures". *8th International Conference on Infrastructures in Healthcare (infraHEALTH 2021)*. DOI: 10.18420/ihc2021_016 ([pdf](#))
8. Tellioğlu, H. (2021). ""Space: the final frontier" Open spaces in cities". *Symposium Virtu(Re)al Playgrounds. How to digitally expand a city*, June 30-July 2.
9. Tomás, E., Gorbach, T., Tellioğlu, H., Kaltenbrunner, M. (2021). "Embodied Gestures: Sculpting Energy-Motion Models into Musical Interfaces". *Proceedings of the International Conference on New Interfaces for Musical Expression (NIME 2021)*, 25 pages. DOI: 10.21428/ 92fbeb44.ce8139a8 ([pdf](#))

10. Schwantler, S., Tellioğlu, H. (2021). "Impact of the COVID-19 Pandemic: Distance Learning at Schools. An analysis of problems through the switch from classroom teaching to distance learning in Austria", *2021 the 6th International Conference on Distance Education and Learning (ICDEL 2021)*. ACM, New York, NY, USA, pp. 195-201. DOI: 10.1145/3474995.3475028
11. Tellioğlu, H. (2021). "Living Labs als befähigende soziotechnische Systeme in Smart Cities". *Konferenz der IKT-Community Österreichs IMAGINE 21*, June 17.
12. Plößnig, C., Tellioğlu, H. (2020). "Digital Storytelling in Dementia Care", *Second Krems Dementia Conference 2020 VIRTUAL, Dealing with Dementia: prevention, timely detection and awareness*, November 16-18.
13. Pichlhöfer, L., Mikusch, G., Tellioğlu, H. (2019) "Pocobo – Collecting air pollution data with a bicycle mounted device". *International Cycling Conference Velo-City 2019*, June 25-28, Dublin, Ireland. ([pdf](#))
14. Kastner, W., Gaida, S., Tellioğlu, H. (2019) "Knowledge-based building management combining human perception and building automation systems". *Proceedings of the First International Conference on Societal Automation (SA 2019)*, September 4-6, Krakow, Poland, IEEE.
15. Auferbauer, D., Tellioğlu, H. (2019) "Socio-technical Dynamics: Cooperation of Emergent and Established Organisations in Crises and Disasters". *Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems (CHI '19)*, May 4-7, ACM, New York, NY, USA, Paper 218, pp. 1-13. DOI: <https://doi.org/10.1145/3290605.3300448> **Honorable Mention**.
16. Tomás, E., Gorbach, T., Tellioğlu, H., Kaltenbrunner, M. (2019) "Material embodiments of electroacoustic music: An experimental workshop study". *Proceedings of the 19th Conference on New Interfaces for Musical Expression (NIME 2019)*, June 3-6, Porto Alegre, Brazil.
17. Auferbauer, D., Tellioğlu, H. (2019) "Opportunistic Affiliation in Spontaneous Volunteer Management". *Proceedings of the 16th ISCRAM Conference, CoRe Paper - Command & Control Studies*, May 19-22, Valencia, Spain **Nominated for Best Case Study Award**.
18. Tellioğlu, H., Berger, M., Kirchberger, C., Strohmeier, F. (2019) "Mobility Transformation: What does mobility mean in the future?" In: Tellioğlu, H., Nathan, L., Teli, M. (Eds.) *Proceedings of the 9th International Conference on Communities & Technologies - Transforming Communities (C&T 2019)*, June 3-7, ACM, NY, USA, pp.349-353. ISBN: 978-1-4503-7162-9, DOI: 10.1145/3328320.3328411
19. Tellioğlu, H., Wagner, M., Habiger, M., Mikusch, G. (2019). "Living Labs Reconsidered for Community Building and Maintenance". In: Tellioğlu, H., Nathan, L., Teli, M. (Eds.) *Proceedings of the 9th International Conference on Communities & Technologies - Transforming Communities (C&T 2019)*, June 3-7, ACM, NY, USA, pp.154-159. ISBN: 978-1-4503-7162-9, DOI: 10.1145/3328320.3328407
20. Sodl, V., Dörrzapf, L., Habiger, M., Tellioğlu, H., Wagner, M., Berger, M. (2019). "Innovation im Mobilitätsssharing - Einsatz von partizipativen Methoden". *REAL CORP 2019: Is this the real world? Perfect Smart Cities vs. Real Emotional Cities*, M. Schrenk et al. (Eds.); CORP - Competence Center of Urban and Regional Planning, Wien, 2019, pp.431-441. ISBN: 978-3-9504173-7-1
21. Tellioğlu, H. (2018). "A Model-Based Approach to Guide Digital Transformation", *Proceedings of the 13th International Conference on Digital Information Management (ICDIM 2018)*, September 24-26, Berlin, Germany, IEEE, pp.196-203.
22. Auferbauer, D., Tellioğlu, H. (2017). "Centralized Crowdsourcing in Disaster Management: Findings and Implications", *The 8th International Conference on Communities and Technologies (C&T '17)*, June 26-30, Troyes, France, ACM, pp. 1-10. DOI: 10.1145/3083671.3083689
23. Fikar, P., Habiger, M., Tellioğlu, H. (2017). "Islander – Informing Leverage Points for Design of a Location-based Mobile Game promoting Physical Activity", *The 15th International Conference on Advances in Mobile Computing & Multimedia (MoMM 2017)*, December 4-6, Salzburg, Austria, ACM, pp. 146-150. DOI: 10.1145/3151848.3151876

24. Urbanek, M., Fikar, P., Ganhör, R., Tellioğlu, H., Habiger, M. (2017). "Vibrette: Aiding Smoke Cessation with Tangible Game Devices", *The 10th International Conference on Tangible, Embedded, and Embodied Interactions (TEI 2017)*, March 20-23, Yokohama, Japan, ACM, pp. 537-542. DOI: 10.1145/3024969.3025090
25. Andrade, B. A. de, Zyngier, C. M., Tellioğlu, H., Moura, A. C. M. (2017). "Methodological Guide for the Gamification of Geodesign Applied to Urban Planning: For a Ludic Experience on the Project of Alternative Futures for the City with Children", *SIGraDi 2017, XXI Congreso de la Sociedad Iberoamericana de Grafica Digital "Resilience Design"*, November 22-24, Concepcion, Chile, pp. 1-5. DOI: 10.5151/sigradi2017-072
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