



ITC Faculty, Tampere University
Doctoral Dissertation 2023

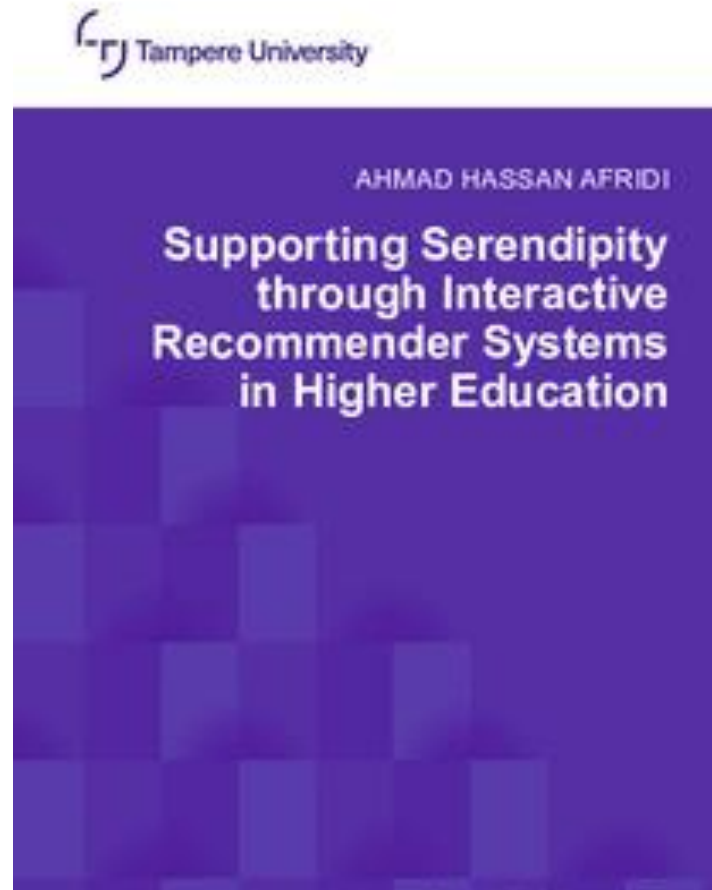


Doctoral Dissertation 2023

**Saman
Payvar** defended her
doctoral thesis
“[GPU-based
Architecture Modeling
and Instruction Set
Extension for Signal
Processing
Applications](#)” on Jan
20, 2023



Doctoral Dissertation 2023



Ahmad Hassan Afridi
defended his doctoral
thesis
[Supporting Serendipity
through Interactive
Recommender Systems
in Higher Education](#) on
February 4, 2023

Doctoral Dissertation 2023

- 24.2.2023 Ihtisham Ali, [*Methods, Models, and Datasets for Visual Servoing and Vehicle Localisation*](#)
- 3.3.2023 Mike Koivisto, [*DoA and ToA Estimation, Device Positioning and Network Synchronization in 5G New Radio - Algorithms and Performance Analysis*](#)
- 10.3.2023 Salla Tuomola, [*Hyvä, katala vastajulkisuus. Populistisen vastamedian julkisen puhuttelun tavat maahanmuutto- ja pakolaiskeskustelussa*](#)
- 17.3.2023 Panu Sjövall, [*Feasibility Study of High-Level Synthesis - Implementation of a Real-Time HEVC Intra Encoder on FPGA*](#)





Doctoral Dissertation 2023

- 24.3.2023 **Jukka Peltomäki**, [*LiDAR Place Recognition with Image Retrieval*](#)
- 31.3.2023 **Maija Peltola**, [*Terveysthuollon ammattilaisen ja diabeetikon välisen vuorovaikutuksen merkitys omahoidolle*](#)
- 31.3.2023 **Sergei Glotov**, [*Film Literacy and Intercultural Dialogue: Focus on Cultural Representation*](#)
- 31.3.2023 **Darwin Quezada Gaibor**, [*Cloud-based Indoor Positioning Platform for Contextadaptivity in GNSS-denied Scenarios*](#)

Doctoral Dissertation 2023



- 1.4.2023 Laura Eilola, [*Aikuisten luku- ja kirjoitustaitoon tukea tarvitsevien suomenopiskelijoiden vuorovaikutuskompetenssi ja sen kehittyminen luokahuoneen ja arjen vuorovaikutustilanteissa*](#)

- Väitöstiedote:
Laura Eilola: Aikuiset luku- ja kirjoitustaitoon tukea tarvitsevat maahanmuuttajat oppivat kieltä kehollisesti erilaisissa vuorovaikutustilanteissa
<https://www.tuni.fi/fi/ajankohtaista/laura-eilola-aikuiset-luku-ja-kirjoitustaitoon-tukea-tarvitsevat-maahanmuuttajat>

Doctoral Dissertation 2023

- 5.4.2023 **Olga Chukhno**, [*Toward Dynamic Social-aware Networking Beyond Fifth Generation*](#)
- 14.4.2023 **Niloofar Okati**, [*Modeling and Analysis of Massive Low Earth Orbit Communication Networks*](#)
- 14.4.2023. **Mónica Sánchez-Torres** [*In the Eye of the Beholder: Processing, use, and attitudes towards \(non-\)sexist language in a second language*](#)
- 14.4.2023 **Henrietta Jylhä**, [*Attractive User Interface Elements: Measurement and prediction*](#)





Doctoral Dissertation 2023

- 27.4.2023, **Lucie Klus**, [*From Compression of Wearable-based Data to Effortless Indoor Positioning*](#)
- 12.5.2023, **Vladimir Iashin**, [*Multi-modal Video Content Understanding*](#)
- 17.5.2023, **Salwa Saafi**, [*Access and Backhaul Solutions for Cellular-Enabled Industrial Wearables*](#)
- 24.5.2023 **Selahattin Gökceli**, [*PAPR Reduction Solutions for 5G and Beyond*](#)

Doctoral Dissertation 2023

- 26.5.2023, **Kaisa Tiusanen**, [*Nice Food, Good People: Technologies of subjectivity and class distinction in media texts about the right kind of food*](#)
- 9.6.2023, **Pavel Pascacio**, [*Collaborative Techniques for Indoor Positioning Systems*](#)
- 9.6.2003 **Roosa-Maria Sallinen**, [*Broadband Methods in Dynamic Analysis and Control of Battery Energy Storage Systems*](#)
- 12.6.2023, **Laura Goncalves Ribeiro**, [*Target Tracking Using Optical Markers for Remote Handling in ITER*](#)



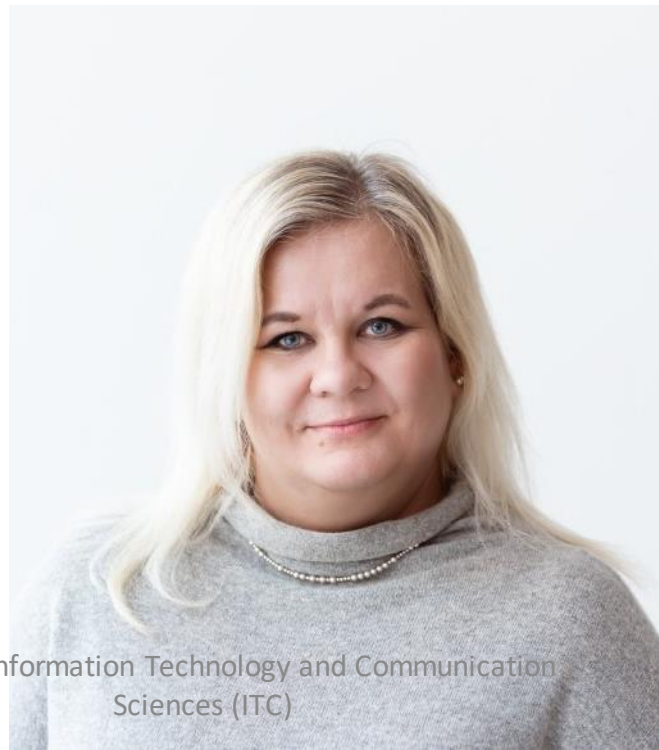
Doctoral Dissertation 2023

- 12.6.2023 **Sahan Damith Liyanaarachchi**, [Waveform Design and Processing for Joint Wireless Communications and Sensing](#)
- 20.6.2023, **Nicholas Wanberg**, [*The Human Race Vs. the Minorities: Racism, anti-racism, and intelligent non-humans in the world architecture of speculative fiction*](#)
- 3.7.2023, **Laura Goncalves Ribeiro**, [*Robust, Energy-Efficient, and Scalable Indoor Localization with Ultra-Wideband Technology*](#)
- 11.8.2023 **Thavamani Govindaraj**, [*Robust Output Regulation of Euler-Bernoulli Beam Models*](#)



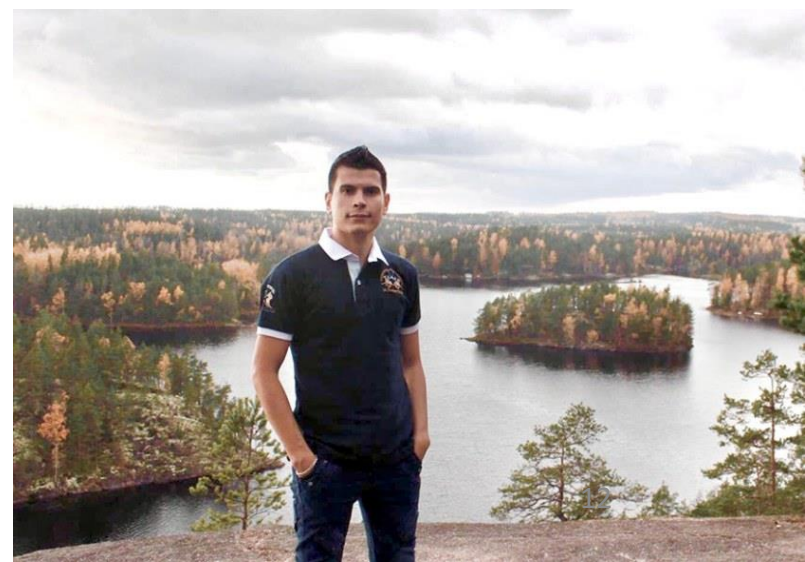
Doctoral Dissertation 2023

- 19.8.2023 **Hanna Heinonen**, [*The Benefits of Extended Reality for Technical Communication: Utilizing XR for Maintenance Documentation Creation and Delivery*](#)
- 25.8.2023, **Erjon Skënderi**, [*Text Representation Methods for Big Social Data*](#)
- 1.9.2023, **Zahra Hosseini**, [*An Integrative Technology Design Model \(TPCD\) for Cultural Inclusion of Immigrants in Finland*](#)
- 1.9.2023 **Markku Järvelä**, [*Cloud enhancement phenomenon – Characteristics of overirradiance events and their effect on photovoltaic power generation*](#)



Doctoral Dissertation 2023

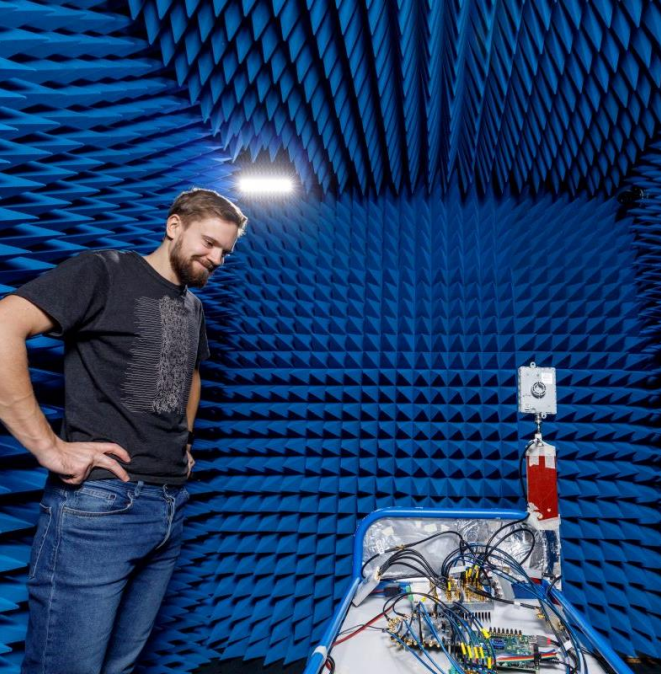
- 1.9.2023 **Heini Utunen**, [*Health Information Dissemination During Pandemics and Epidemics - Key requirements for online learning platforms and materials*](#)
- 6 9.2023, **Chien Lu**, [*Representation learning techniques are proved useful for game data analysis*](#)
- 11.9.2023, **Maria Stratigi**, [*Group Recommendations with Responsibility Constraints*](#)
- 22.9.2023 **Farid Alijani**, [*Long-term Visual Place Recognition Under Varying Conditions*](#)



Doctoral Dissertation 2023

- 29.9.2023 **Ugur Akpinar**, [*Wavefront Coding Methods for Extended Depth of Field Image Acquisition and Display*](#)
- 12.10.2023, **Katriina Vartiainen**, [*The Diffusion of Dynamic Capability in Organizations in Digitalizing Operating Environments*](#)
- 13.10.2023, **Stefan Söderholm**, [*Group Recommendations with Responsibility Constraints*](#)
- 20.10.2023 **Ville Puuska**, [*Flat Covers and Cotorision in Persistence*](#)





Doctoral Dissertation 2023

- 10.11.2023 **Karel Pärlin**, [*Multifunction Radios and Interference Suppression for Enhanced Reliability and Security of Wireless Systems*](#)
- 14.11.2023 **Nyyti Saarimäki**, [*Applying Retrospective Cohort Study Methodology in Mining Software Repositories Studies*](#)
- 17.11.2003 **Sergio Moreshchini**, [*Applications of MLOps in the Cognitive Cloud Continuum*](#)
- 17.11.2023 **Susanna Paasovaara**, [*Research for Design of Playful Mobile Services for Social Experiences between Nearby Strangers*](#)



Doctoral Dissertation 2023

- 24.11.2023 **Jaana Junttila**, [*"Hoitoisuusluokitusjärjestelmä hoitohenkilöstön resursoinnin työkaluna - Tutkimus hoitoisuusluokitusjärjestelmän ennustevaliditeetista sekä sen luotettavuuden ja optimaalisen hoitotyön kuormitustason kalibroinnin haasteista hoitotyön kiireisessä arjessa"*](#)
- 24.11.2023 **Julia Souma**, [*Salliminen diplomaattisesti: Sallimisen ja kieltämisen kommunikatiiviset aktit suomalais-venäläisissä valtiosopimusteksteissä*](#)
- 1.12.2023 **Nachiket Ayir**, [*RF Wireless Power and Data Transfer: Experiment-driven Analysis and Waveform Design*](#)
- 1.12.2023 **Ritayan Biswas**, [*Performance Evaluation of Ambient Backscatter Communications \(AmBC\) in Outdoor Environments*](#)



Doctoral Dissertation 2023

- 1.12. Sari Ortju, [*Kuunteleminen työyhteisötaitona esihenkilö-alaissuhteessa*](#)
- 4.12.2023 Justyna Skibińska, [*Machine Learning-Aided Monitoring and Prediction of Respiratory and Neurodegenerative Diseases Using Wearables*](#)
- 8.12. Joel Kiskola, [*Designing critical and practical user interface interventions in uncivil online discussion*](#)
- 13.12. Viktoriia Shubina, [*Privacy-aware BLE Proximity Detection through Optimizing Trade-offs*](#)



- 15.12.
Mohamed Boufarss, Engaging with *Open Access Locally and Internationally: A holistic and longitudinal study of the United Arab Emirates academic publishing landscape*
<https://www.tuni.fi/en/news/mohamed-boufarss-strong-national-policy-and-international-co-authorship-are-key-open-access>
- 15.12.
Hamed Pourkheirollah, Printed Supercapacitors for Energy Storage and Functional Applications: Modeling, Analysis, and Integration
<https://www.tuni.fi/en/news/hamed-pourkheirollah-advancing-energy-storage-innovative-supercapacitor-models>
- 15.12.
Ekaterina Karjalainen, (née Olshannikova), *Serendipity and Diversity in Professional Social Matching: Towards Diversity-enhancing Recommendation Strategies*
<https://www.tuni.fi/en/news/ekaterina-karjalainen-leveraging-diversity-and-serendipity-more-fruitful-professional>

Doctoral Dissertation 2023

- 21.12.2023 **Jani Mäkinen**, [*Coherent and Holographic Imaging Methods for Immersive Near-Eye Displays*](#)

