

Masterseminar Winterterm 2024

In three rooms:

Session A: FR 17.01.2025 09:00-15:00 Ort: **Seminarraum 10**, Währinger Straße 29 2.OG

Session B: FR 17.01.2025 09:00-14:30 Ort: **Seminarraum 6**, Währinger Straße 29 1.OG

Session C: FR 17.01.2025 09:00-15:00 Ort: **Seminarraum 12**, Währinger Straße 29 . 2.OG

Session A1: 9:00-10:20 SR 10

Chair: Yllka Velaj

- 09:00: Md Rafiqul Islam
 - Supervisor: Yllka Velaj
 - Topic: Clustering of Time-Series Data with Different Temporal Scales(CTS-DTS): A Survey
- 09:20: Moinuddin Noor
 - Supervisor: Yllka Velaj
 - Topic: A Survey on Deep Representation-Learning and Clustering for Large-Scale Time-Series Data: Emphasis on Smart Grid Use Cases
- 09:40: Alexander Peikert
 - Supervisor: Torsten Möller
 - Topic: Interpreting Deep Clustering Results
- 10:00: Vittorio Boarini
 - Supervisor: Akshey Kumar
 - Topic: Learning representations from time-series data with multi-step predictions

Session A2: 10:30-11:50 SR 10

Chair: Anna Beer

- 10:30: Maximilian Bierl
 - Supervisor: Anna Beer
 - Topic: Density-based Subspace Clustering for Object Tracking - a survey
- 10:50: Zoheir El Houari
 - Supervisor: Yllka Velaj
 - Topic: Multi-View Clustering of Smart Meter Data
- 11:10: David Lisica
 - Supervisor: Yllka Velaj
 - Topic: Node Clustering Based on Linear Threshold Model Simulations in Single- and Multi-Layer Networks
- 11:30: Maximilian Nicolas Hartmann
 - Supervisor: Erich Schikuta
 - Topic: Advanced Measures of Defensive Performance in Football

Session A3: 12:00-13:20 SR 10

Chair: Gramoz Goranci

- 12:00: Borui Chen
 - Supervisor: Kathrin Hanauer
 - Topic: Subgraph Detection Algorithms in Dynamic Graphs
- 12:20: Elisabeth Nagel
 - Supervisor: Nils Kriege
 - Topic: Explainability of Graph Neural Networks - Survey Paper
- 12:40: Ole Yannick Schlüter
 - Supervisor: Gramoz Goranci
 - Topic: Graph Compression Techniques
- 13:00: Christoph Walser
 - Supervisor: Edgar Weippl
 - Topic: Analysis of the Internet as a Graph, a survey

Session A4: 13:30-14:50 SR 10

Chair: Torsten Möller

- 13:30: Verona-Theodora Gita
 - Supervisor: Wolfgang Klas
 - Topic: Enhancing User Awareness of the Accuracy of Information: An Adaptable Framework for Visualizing Conflicting Web Data
- 13:50: Megi Teneqexhi
 - Supervisor: Yllka Velaj
 - Topic: A Survey on Opinion Formation Models
- 14:10: Sara Hoxhaj
 - Supervisor: Torsten Möller
 - Topic: Visual complexity of data visualizations - A study on bar charts & PREVis
- 14:30: Philipp Saborosch
 - Supervisor: Torsten Möller
 - Topic: iTuner: Touch interfaces for high-D visualization

Session B1: 09:00-10:20 SR 6

Chair: Helmut Hlavacs

- 09:00: Enno Peter Stubler
 - Supervisor: Helmut Hlavacs
 - Topic: Large Language Models on Narrative Coherence Video Game Quest Generation: A Survey

- 09:20: Bernhard Clemens Schrenk
 - Supervisor: Helmut Hlavacs
 - Topic: A Survey of Video Codec APIs with Hardware Accelerator Support

- 09:40: Felix Leon Helmreich
 - Supervisor: Paul Fuxjäger
 - Topic: Insights into Mastodon User Activity

- 10:00: Artur Khaialiev
 - Supervisor: Peter Reichl
 - Topic: Leveraging AI to Fight Disinformation on Mastodon: Methods and Solutions

Session B2: 10:30-11:50 SR 6

Chair: Peter Reichl

- 10:30: Michael Jan Köck
 - Supervisor: Peter Reichl
 - Topic: Digitalisierung im Energiesektor: Chancen und Herausforderungen für Energiedienstleister

- 10:50: Nicolas Mattersdorfer
 - Supervisor: Florian Güldenpfennig
 - Topic: Exploring Business Opportunities in Energy Markets enabled by Smart Meter Data

- 11:10: Elizaveta Zaidenvarg
 - Supervisor: Edgar Weippl
 - Topic: A Modular Approach to Compile-Time Obfuscation Using Sequential Transform Passes

- 11:30: Manuel Zechmann
 - Supervisor: Helmut Hlavacs
 - Topic: Survey Paper for Comparative Analysis of Procedural Planet Generators

Session B3: 12:00-13:20 SR 6

Chair: Wolfgang Klas

- 12:00: Mohamad Day
 - Supervisor: Wolfgang Klas
 - Topic: Analysis of Cloud-based storage systems/services and design of a storage framework for a FactChecking prototype

- 12:20: Arthur Rieß
 - Supervisor: Wolfgang Klas
 - Topic: A Literature Review on Data Stores and Cloud Data Management

- 12:40: Paul Jodok Braitenberg
 - Supervisor: Wolfgang Klas
 - Topic: A framework for the specification of similarity functions for precision metrics

- 13:00: Milena Meier
 - Supervisor: Wolfgang Klas
 - Topic: Designing the integration of digital music-related factchecking into FactCheck

Session B4: 13:30-14:30 SR 6

Chair: Siegfried Benkner

- 13:30: Maitham Al-Rubaye
 - Supervisor: Atakan Aral
 - Topic: Survey Paper on Edge Intelligence for Monitoring Critical Infrastructures

- 13:50: Abdullah Day
 - Supervisor: Atakan Aral
 - Topic: Cloud-Edge Cooperation for Monitoring of Critical Infrastructures – A Survey

- 14:10: Raphael Christian Burgstaller
 - Supervisor: Siegfried Benkner
 - Topic: Comparing and Enhancing Program Efficiency on AWS: Achieving a Balance Among Performance, Resource Allocation, and Cost

Session C1: 09:00-10:20 SR 12

Chair: Han van der Aa

- 09:00: Julian Saria
 - Supervisor: Wolfgang Klas
 - Topic: AI-Based Approach for Semantic Similarity Comparison in Fact-Checking Systems tailored to JSON files

- 09:20: Migen Jaçe
 - Supervisor: Werner Winiwarter
 - Topic: Neuro-Symbolic Reasoning for Knowledge Base Question Answering: Leveraging Logic and Language Models

- 09:40: Vira Pyrih
 - Supervisor: Han van der Aa
 - Topic: An Overview of Large Language Model Applications in Process Mining

- 10:00: Hussein Hashem Hussein Al Kurdi
 - Supervisor: Helmut Hlavacs
 - Topic: Research Proposal: AI-Assisted Screenplay Writing for Theatre and Film, current status and consequences

Session C2: 10:30-11:50 SR 12

Chair: Moritz Grosse-Wentrup

- 10:30: Nicolò Filippucci
 - Supervisor: Moritz Grosse-Wentrup
 - Topic: Eye-Movement Similarity: Scanpath Analysis for Recognizing Learning Disorders

- 10:50: Alexia-Theodora Popa
 - Supervisor: Moritz Grosse-Wentrup
 - Topic: An assistive communication device based on electromyography

- 11:10: Odgerel Amaraa
 - Supervisor: Katerina Schindlerova
 - Topic: The Source Of Errors In Causal Discovery

- 11:30: Georg Braun
 - Supervisor: Kathrin Hanauer
 - Topic: A Survey on the Repetition-Free Longest Common Subsequence Problem

Session C3: 12:00-13:20 SR 12

Chair: Uwe Zdun

- 12:00: Dongzhou Fang
 - Supervisor: Helmut Hlavacs
 - Topic: Solar System In Education

- 12:20: Klavio Tarka
 - Supervisor: Helmut Hlavacs
 - Topic: Deep Q-Learning versus Proximal Policy Optimization in Realtime strategy games

- 12:40: Georgiana Teodora Filip
 - Supervisor: Uwe Zdun
 - Topic: Detection of Code Smells in Reinforcement Learning Systems

- 13:00: Radoje Lacmanovic
 - Supervisor: Uwe Zdun
 - Topic: Automated Compliance Checking for Best Practices and Design Patterns in ML/RL Pipelines

Session C4: 13:30-15:00 SR 12

Chair: Edgar Weippl

- 13:30: Diana Cetta
 - Supervisor: Edgar Weippl
 - Topic: Authentication in Mobile Banking Applications

- 13:50: Michael Pöschko
 - Supervisor: Edgar Weippl
 - Topic: Automated identification of web services in IoT firmwares: A Survey

- 14:10: Leon Rhein
 - Supervisor: Gerald Quirchmayr
 - Topic: An AI-Driven Approach for Compliance Assessment in Cybersecurity

- 14:30: Lukas Kleinl
 - Supervisor: Gerald Quirchmayr
 - Topic: Development of a framework for automatic generation of legal text representation and policy management support