Masterseminar Summerterm 2024

In two rooms:

**Session A**: FR 21.06.2024 09:00-14:45 Ort: Seminarraum 2, Währinger Straße 29 1.UG
**Session B**: FR 21.06.2024 09.00-14.45 Ort: Seminarraum 3, Währinger Straße 29 1.UG

Session A1: 9:00-10:20 SR 2
Chair: Uwe Zdun

- **09:00**: Keti Hysi
  - Supervisor: Werner Winiwarter
  - Topic: NLP Toolkit for Albanian Language

- **09:20**: Francesco Urdih
  - Supervisor: Uwe Zdun, 2nd: Evangelos Ntentos
  - Topic: Pipeline Quality Insight as a Service Concept for Pattern Recognition and Quality Assessment in MLOps Systems

- **09:40**: Matthias Fritz
  - Supervisor: Siegfried Benkner
  - Topic: Supporting Resource-Aware Scheduling of Serverless Workloads in Heterogeneous Clusters

- **10:00**: David Philipp Reichert
  - Supervisor: Edgar Weippl
  - Topic: Leveraging Large Language Models for Automated Spear Phishing Attacks

Session A2: 10:30-11:50 SR 2
Chair: Peter Reichl

- **10:30**: Dijana Odobasic
  - Supervisor: Edgar Weippl
  - Topic: Methods for Decentralization in Self-Sovereign Identity

- **10:50**: Hoda Kermani
  - Supervisor: Peter Reichl
  - Topic: Design and Implementation of an Instance Recommender System for New Users of the Mastodon Network

- **11:10**: Stefanie Kogler
  - Supervisor: Peter Reichl, 2nd: Paul Fuxjäger
  - Topic: Analysing the factors of growth and sustainability of the Mastodon network

- **11:30**: Markus Zimmball
  - Supervisor: Yllka Velaj
  - Topic: Finding cycles efficiently in massively interconnected graphs
Session A3: 13:00-14:40 SR 2
Chair: Kathrin Hanauer

- 13:00: Johannes Pascal Urban
  - Supervisor: Nils Kriege
  - Topic: Permutation tree invariant graph neural networks and applications to molecular graphs with stereochemistry

- 13:20: Elisabeth Nagel
  - Supervisor: Nils Kriege
  - Topic: Explainability of Graph Neural Networks - Survey Paper

- 13:40: Tobias Prisching
  - Supervisor: Kathrin Hanauer
  - Topic: Heuristic Algorithms for the One-sided Crossing Minimization Problem

- 14:00: Borui Chen
  - Supervisor: Kathrin Hanauer
  - Topic: Subgraph Counting and Enumeration Algorithm in Dynamic Graph
Session B1: 09:00-10:20 SR 3
Chair: Sebastian Tschiatschek

- 09:00: Nikolina Dukic
  o Supervisor: Helmut Hlavacs
  o Topic: Outpatient Scrap Book Application

- 09:20: Nora Volina
  o Supervisor: Helmut Hlavacs
  o Topic: Enhancing Programming Learnability for Children Through Video Games

- 09:40: Jonas Michael Speiser
  o Supervisor: Sebastian Tschiatschek
  o Topic: Charging Recommendation for Electric Vehicles using Reinforcement Learning

- 10:00 Tamás Molnár
  o Supervisor: Peter Reichl, 2nd: Florian Güldenpfennig
  o Topic: AAC Communicator with Music Therapy functionalities, involving E-Ink display(s)

Session B2: 10:30-11:50 SR 3
Chair:

- 10:30: Lavinia-Elena Lehaci
  o Supervisor: Helmut Hlavacs
  o Topic: Vienna Game AI Library: A C++ framework for developing 2D Real-Time Strategy games

- 10:50: Elis Seiti
  o Supervisor: Helmut Hlavacs
  o Topic: Fluid simulations using deep learning for game engines

- 11:10: Albert Sakhapov
  o Supervisor: Helmut Hlavacs
  o Topic: Algorithm to Code

- 11:30: Sebastian Knippschild
  o Supervisor: Wolfgang Klas
  o Topic: A Survey on Object Detection and Analyzing Humans in Images
Session B3: 13:00-14:20 SR 3
Chair: Christian Böhm

- 13:00: Michael Watholowitsch
  - Supervisor: Sebastian Tschiatschek
  - Topic: Deep Causal Structure Learning

- 13:20: Ekaterina Kuznetsova
  - Supervisor: Anna Beer
  - Topic: A Unified Perception of Density for Clustering

- 13:40: Suzana Marsela
  - Supervisor: Katerina Schindlerova
  - Topic: Bivariate causality in location scale noise models

- 14:00: Stefan Kamenica
  - Supervisor: Christian Böhm
  - Topic: Intelligent Sports Analytics: Comparative Analysis of AI Methods for Building a Prediction Platform