

PhD Defenses  
Study year 2023/2024

Candidate		Date / Time	Title	Supervisor
Jure	KUKOVEC	14.05.2024, 11:00	SMT-driven techniques for verifying distributed systems	Igor Konnov
Medina	ANDRESEL	07.05.2024, 14:00	Leveraging Ontologies for Flexible Access to Graph-structured Data	Magdalena Ortiz
Robert	FREIMAN	03.05.2024, 14:30	From Semantic Games to Analytic Calculi	Christian Fermüller
Markus	WALLINGER	26.04.2024, 15:00	Exploring Graph-based Concepts for Balanced Information Density in Data Visualizations	Martin Nöllenburg
Krisztina	FRUZSA	15.04.2024, 13:00	Agents' Knowledge and Its Limits in Byzantine Fault-Tolerant Distributed Systems	Ulrich Schmid
Majid	BANAEYAN	09.04.2024, 14:00	Redundant Edges and Parallel Algorithms in Binary Irregular Graph Pyramids	Walter Kropatsch
Pamina	GEORGIOU	26.03.2024, 09:00	Towards Automating Induction for Software Verification - Guiding Inductive Reasoning in Superposition-based Theorem Proving	Laura Kovacs
Velitchko	FILIPOV	20.03.2024, 16:00	Networks in Time and Space Visual Analytics of Dynamic Network Representations	Silvia Miksch
Erkan	TAIRI	15.03.2024, 15:00	Foundations of Adaptor Signatures for Distributed Ledger Protocols	Matteo Maffei
Sophia	ALTHAMMER	15.03.2024, 14:00	Addressing Data Availability and Document-to-Document Retrieval for Domain-specific Neural Rankers	Allan Hanbury
Lukas	AUMAYR	15.03.2024, 13:00	Foundations of Bitcoin-Compatible Scalability Protocols	Matteo Maffei
Simon	BRENNER	14.03.2024, 13:00	Multi-Light Imaging for Graphical Heritage	Robert Sablatnig
David	FELLNER	14.02.2024, 13:00	Data Driven Detection of Misconfigurations in Power Distribution Systems	Wolfgang Kastner
Muhammad Abdullah	HANIF	30.01.2024, 08:00	Robust and Energy Efficient Deep Learning Systems	Muhammad Shafique
Aljosha	JUDMAYER	29.01.2024, 09:00	Pay to Win Algorithmic Incentive Manipulation Attacks on Permissionless Cryptocurrencies	Edgar Weippl
Zaheer	TABASSAM	29.01.2024, 09:00	Utilizing and Extending the Inherent Fault Tolerance Properties of Asynchronous QDI Circuits	Andreas Steininger
Valerio	CINI	12.01.2024, 16:00	Increasing Efficiency and Flexibility in Post-Quantum Cryptography	Matteo Maffei
Soeren	TERZIADIS	09.01.2024, 15:15	Algorithms for Schematic Representations On the complexity of computing schematic representations of transit maps, graphs and geometric objects	Martin Nöllenburg
Christina	STOIBER	11.12.2023, 15:00	Visualization Onboarding Supporting Users in Understanding Unfamiliar Visual Representations	Wolfgang Aigner
Thanh Hai	TRAN	08.11.2023, 10:00	Symbolic Verification of TLA <sup>+</sup> Specifications with Applications to Distributed Algorithms	Igor Konnov
Rafael	KIESEL	25.10.2023, 09:30	Streaming and Quantitative Extensions of Answer Set Programming	Thomas Eiter
Sebastian	RAUBITZEK	19.10.2023, 13:00	Chaos, Complexity and Neural Network Time Series Predictions	Andreas Rauber
Bernhard	GARN	09.10.2023, 12:00	Design Theory Methods and their Applications to the Science of Security	Dimitrios Simos

PhD Defenses (Rigorosen) are open to the public. Should you be interested to attend, please contact our colleagues from Study Services ([studiendekanat.informatik@tuwien.ac.at](mailto:studiendekanat.informatik@tuwien.ac.at))