

**Trends and Concepts in the Software Industry**  
 Plattner  
 Perscheid/Teusner/Dobrigkeit  
 (Termine in Planung, November 2022 Workshop, März/April 2023 Blockwoche)

# Lehrveranstaltungen Master ITSE

## Wintersemester 2022/23

(Vorlesungszeitraum: 17.10.2022 – 10.02.2023)  
 Stand: 23.09.2022

**Basic Track Design Thinking (D-School)** Dr. Claudia Nicolai  
**Advanced Track Design Thinking (D-School)** Dr. Claudia Nicolai  
 Weitere Informationen siehe LV-Seite  
**Global Design Thinking Workshop: Teamed Leadership (D-School)**  
 Dr. Claudia Nicolai  
**Wayfinder: Self- and Leadership Development (D-School)**  
 Dr. Claudia Nicolai

	Mo	Di	Mi	Do	(Do)/Fr/(Sa)
9:00	Algorithmic folding Baudisch Muhammad Rambold H2.57/58	Development of a Local Hierarchical Multi-label Classification Library Renard Miranda K-1.03	Network Security in Practice Cheng Najafi HE.51/52	Deep Learning for Optical Character Recognition Friedrich Cohen Doskoč K-1.04	Mathematics for Machine Learning Lippert L-E.03
10:00	Probabilistic Models: Modeling, Learning and Analysis Giese Adriano Maximova Schneider L-1.02	Übung/Tutorium Mathematics for Machine Learning Lippert L-E.03	Fortgeschrittene Programmierwerkzeuge Hirschfeld Rein Taemmel Mattis A2.1	Recent Trends in Deep Learning and AI de Melo A1.1	Probabilistic Models: Modeling, Learning and Analysis Giese Adriano Maximova Schneider L-1.02
11:00	HCI Project Seminar on 3D Interaction and Personal Fabrication Baudisch H2.57/58	Web Development Baudisch H2.57/58	Eingebettete Betriebssysteme Polze L-1.06	Academic Writing for Science Nemeth HE.51/52	Explainable AI by Visual Analytics Döllner Cech Atzberger Jobst Scheibel A1.1
12:00	AI in Practice: Implementing Real-World Solutions de Melo Buz H2.57/58	Graphen-algorithmen Friedrich Skretas Rothenberger HS 3	Analytics Over Dynamic Knowledge Graphs Albrecht Gharib FE.06	Management Essentials Kearney 11./12.11. + 09./10.12.2022 H2.57/58	Managing People, Managing Teams, and Leading Change Schäfer 14.01./28.01/11.02.2023 H2.57/58
13:00	Algorithmic folding Baudisch Muhammad Rambold H2.57/58	(Neuro-) Design Thinking for Digital Engineering von Thienen HE.51/52	Energy-Aware Computing on Reconfigurable Hardware Polze S. Köhler Wenzel A2.1	Cyber Security Management Dörr HS 3	From fairness to cyberbio-security: accountability in machine learning for biology and medicine Renard Nowicka Bartoszewicz Lemanczyk K-1.03
14:00	Tagging and Captioning Art-Historical Photographs Naumann FE.06	Graph Neural Networks for Knowledge Graph Systems Giese Adriano Barkowsky L-1.02	Big Data Systeme Rabl Benson Tolovski L-E.03	Linear Programming and Combinatorial Optimization Friedrich Isaac Kumar K-1.04	Cyber Security Management Dörr HS 3
15:00	Trends in Betriebssystemen (Forschungsseminar) Polze A1.2	Social Media Mining Meinel Alhosseini A 2.2	Science - Introduction to Scientific Research Kötzing Teusner A1.2	Kryptographie Lehmann HS 3	Modern Database Systems Perscheid Halfpapp Weisgut Bodner Justen Lindner L-1.02
16:00	Linear Programming and Combinatorial Optimization Friedrich Isaac Kumar K-1.04	Applied Probabilistic Machine Learning Renard Richard Ulrich HE.51/52	Data Management for Digital Health Schapranow G1.E15/16	Fortgeschrittene Programmierwerkzeuge Hirschfeld Rein Taemmel Mattis A2.1	Big Data Systeme Rabl Benson Tolovski L-E.03
17:00	Advanced Track Design Thinking (D-School) siehe Angaben LV-Webseite	Basic Track Design Thinking (D-School) siehe Angaben LV-Webseite	Advanced Track Design Thinking (D-School) siehe Angaben LV-Webseite	Basic Track Design Thinking (D-School) siehe Angaben LV-Webseite	Basic Track Design Thinking (D-School) siehe Angaben LV-Webseite
18:00	AI in Practice: Implementing Real-World Solutions de Melo Buz H2.57/58	Explainable AI by Visual Analytics Döllner Cech Atzberger Jobst Scheibel A1.1	Übung Kryptographie Lehmann G3.E15/16	Mobilkommunikation Karl K-1.02	PACE Challenge 2022 on Twinwidth Friedrich Issac K-1.03
19:00	Advanced Image & Video Processing Techniques Trapp Wattasseril Reimann K-1.04	Programming life with deep learning: design your own molecule Renard Bartoszewicz Nowicka K-1.03	Graphen-algorithmen Friedrich Skretas Rothenberger L-1.02	Process Mining Leopold H2.57/58	Eingebettete Betriebssysteme Polze HS 2 2-wöchentlich
	Energy-Aware Computing on Reconfigurable Hardware Polze S. Köhler Wenzel HS 2 2-wöchentlich	Approximate Data Profiling Naumann FE.06	Current Topics in Group Messaging Lehmann Dayanikli Galal G1.E15/16	Advanced Comp. Programming 2 Friedrich Fischbeck Gawendowicz HS 3	Intra- und interpersonelle Kompetenzen Leidenfrost 04./05.02. + 04./05.03.2023 H2.57/58
	Research and Implementation of Database Concepts Perscheid Halfpapp Bodner Weisgut Justen Lindner Boissier L-1.06	Sonic Thinking - Methods of working with sound von Thienen HE.51/52	Algorithms for Programmable Matter Friedrich Skretas K-1.04	Trends in BPM Research Weske Lichtenstein A2.1	nach Absprache ggf. bis KW 48 Mobilkommunikation Karl K-1.02
	Übung Kryptographie Lehmann G3.E15/16	Programmieren in Virtual Reality Hirschfeld Lincke Beckmann Ramson A1.1	Modern Database Systems Perscheid Halfpapp Weisgut Bodner Justen Lindner L-1.02	nach Absprache ggf. bis KW 48 Mobilkommunikation Karl K-1.02	Machine Intelligence with Deep Learning Yang Bethge Hu Nickel Otholt A1.2
	Advanced Probabilistic Theory Friedrich Göbel Baguley HS 2	Graph Neural Networks for Knowledge Graph Systems Giese Adriano Barkowsky A2.1	Founder Fundamentals Pawlitschek Hahn L-1.02	Biostatistics & Epidemiological Data Analysis using R Konigorski ONLINE (L-E.03)	Applied Probabilistic Machine Learning Renard Richard Ulrich HE.51/52
	Visual Analytics Techniques for high-dimensional Data Döllner Richter Schulz Hildebrand K1.04	Meta-Reinforcement Learning for Self-Adaptive Systems Giese Adriano Ghahremani Xu A2.1	Research and Implementation of Database Concepts Perscheid Halfpapp Bodner Weisgut Justen Lindner Boissier L-1.06	Biostatistics & Epidemiological Data Analysis using R Konigorski ONLINE (L-E.03)	HPI-Kolloquium 16:00 - 17:30 Uhr ggf. 17:00 - 18:30 Uhr
	Advanced Machine Learning Seminar Lippert L-1.06	Methoden der Forschung Naumann FE.06	IT-Recht Brandi-Dohrn Menz HS 3	Biostatistics & Epidemiological Data Analysis using R Konigorski L-E.03	Visual Analytics Techniques for high-dimensional Data Döllner Richter Schulz Hildebrand A2.2
					Meta-Reinforcement Learning for Self-Adaptive Systems Giese Adriano Ghahremani Xu A2.1
					Research and Implementation of Database Concepts Perscheid Halfpapp Bodner Weisgut Justen Lindner Boissier L-1.06
					Biostatistics & Epidemiological Data Analysis using R Konigorski ONLINE (L-E.03)
					Global Team-Based Innovation I Ueberrickel de Paula L-1.02
					Wayfinder: Self- and Leadership Development (D-School) Nicolai 04.11.2022 virtuell Kick-off 18.11./02.12./20.01./03.02.2023

- Zu terminlichen und räumlichen Abweichungen an einzelnen Veranstaltungstagen beachten Sie bitte die HPI-Website (Lehrinhaltsbeschreibungen, Verlegungsplan) -