

# KI2022 Workshops and Tutorials\*

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The 45th German Conference on Artificial Intelligence (KI 2022) was held from Monday 19th until Friday 23rd of September 2022. On the first two days of the conference, we had the great pleasure to host overall nine Workshops, one tutorial, and the doctoral consortium. On Monday there were three full-day workshops, namely the workshop on Text Mining and Generation (TMG-2022), organized by Mirko Lenz, Lorik Dumani, Philipp Heinrich, Nathan Dykes, Merlin Humml, Alexander Bondarenko, Shahbaz Syed, Prof. Dr. Adrian Ulges, Prof. Dr. Stephanie Evert, Prof. Dr. Lutz Schröder, Prof. Dr. Achim Rettinger and Prof. Dr. Martin Vogt, the 36th Workshop on (Constraint) Logic Programming (WLP-2022) organized by Falco Nogatz and Mario Wenzel and the 8th Workshop on Formal and Cognitive Reasoning (FCR-2022) organized by Prof. Dr. Christoph Beierle, Prof. Dr. Marco Ragni, Kai Sauerwald, Prof. Dr. Frieder Stolzenburg and Prof. Dr. Matthias Thimm. Additionally, on Monday there were three half-day workshops, namely the workshop on Generating synthetic image data for AI (GSID-AI-2022), organized by Dr. Petra Gospodnetić, Prof. Dr. Claudia Redenbach, M. Sc. Niklas Rottmayer and Dr. Katja Schladitz, the 33rd Workshop Planning, Scheduling, Design and Configuration (PuK-2022) organized by Prof. Dr.-Ing. Jürgen Sauer and Prof. Dr. Stefan Edelkamp and the 2nd Workshop on Humanities-Centred AI (CHAI-2022) organized by Dr. Sylvia Melzer, Dr. Stefan Thiemann, and Dr. Hagen Peukert. Moreover, Stephan Sahm organized a Tutorial on Universal Differential Equations in Julia (UDE - 2022) Monday morning. On Tuesday, there were three half-day workshops, namely the workshop on Explainable and Interpretable Machine Learning (XI-ML-2022) organized by Prof. Dr. Martin Atzmueller, Jun.-Prof Dr. Tomáš Kliegr and Prof. Dr. Ute Schmid, the workshop on AI and Cyber-Physical Process Systems Workshop 2022 (AI-CPPS) organized by Lars Schaupeter, Felix Theusch, Achim Guldner and Jun.-Prof. Dr. Benjamin Weyers and the workshop on Robust AI for High-Stakes Applications (RAIHS-2022) organized by Prof. Dr. Ulrich Furbach, Dr. Alexandra Kirsch, Dr. Michael Sioutis, and Prof. Dr. Diedrich Wolter. In addition, on Tuesday the Doctoral Consortium organized by Prof. Dr. Mirjam Minor took place. On Thursday, the workshops presented a summary of their results and discussions in a wrap-up session.

Two workshops published their proceedings separately, which can be found for CHAI at <https://ceur-ws.org/Vol-3301/> and for FCR at <https://ceur-ws.org/Vol-3242/>. Here, we collect the proceedings for the workshop TMG and the workshop XI-ML as well as the proceedings for the doctoral consortium.

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*Workshops and Tutorials co-located with the 45rd German Conference on Artificial Intelligence (KI 2022), September 19-20, 2022, Trier (Virtual), Germany*


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 CEUR Workshop Proceedings (CEUR-WS.org)

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