

MaRDI Workshop on Scientific Computing

Mittwoch, 26. Oktober 2022

Contributed Talks: Block 1 (11:00 - 12:40)

time	[id] title	presenter
11:00	[38] Design of a Workflow Description for Documentation and Integration of FAIR Computational Experiments	Dr. VELUVALI, Pavan
11:25	[3] Dark Data in Mathematics	Dr. SCHEMBERA, Björn
11:50	[13] Confirmable Workflows in Computer Algebra	KASTNER, Lars
12:15	[5] Managing reproducibility in computational experiments	Herr LØVBAK, Emil

Contributed Talks: Block 2 (14:50 - 16:30)

time	[id] title	presenter
14:50	[37] Building a Knowledge Graph for Scientific Computing	WÜBBELING, Frank
15:15	[4] Helping Ontology Extension with Natural Language Processing for Catalysis	BEHR, Alexander
15:40	[6] Expanding an Ontology with semantically linked CFD-Simulation Data by Segmentation into reusable Concepts	BORGELT, Hendrik
16:05	[19] Graph-based Data Representation for Crash-worthiness Simulations	PAKIMAN, Anahita

Donnerstag, 27. Oktober 2022

Contributed Talks: Block 3 (10:15 - 11:55)

time	[id] title	presenter
10:15	[40] Towards a Benchmark Framework for Model Order Reduction in the Mathematical Research Data Initiative (MaRDI)	LUND, Kathryn
10:40	[14] Benchmarking supervised regression algorithms with mlr3 and OpenML	FISCHER, Sebastian
11:05	[10] Reproducibility Infrastructure of the Julia Language	FUHRMANN, Jürgen
11:30	[8] Reproducibility as a service: collaborative scientific computing with Julia	Dr. SCHLOTTKE-LAKEMPER, Michael Prof. RANOCHA, Hendrik

Freitag, 28. Oktober 2022

Contributed Talks: Block 4 (11:00 - 12:40)

time	[id] title	presenter
11:00	[49] Towards Foundations for Open Interfaces for Scientific Computing	FRITZE, René
11:25	[12] The Importance of Symbolic Data Types	DELLA VECCHIA, Antony
11:50	[15] Experiences in Refactoring Software Code for the Solution of the Wave Equation based on a Very Weak Space-Time Variational Formulation	VORLOEPER, Jürgen
12:15	[9] Increasing the reproducibility of scientific results in mathematics and related fields: Experiences and discussions with the research community	Dr. RIEDEL, Christian