

ML @ ITWM (14.02.2024, 08:30 - 11:40)

Zeit	Vortragende(r)	Abt.	Titel
08:30 - 08:40	Viny Saajan Victor	TV	Informed Machine Learning for Melt Spinning Processes
08:45 - 08:55	Fabian Friederich	MC	Machine Learning for Automatic Defect Detection in Terahertz Nondestructive Testing
09:00 - 09:10	Jochen Fiedler	MF	AI-Based Application Detection
09:15 - 09:25	Sebastian Emmerich	MF	Surrogate-Modelling for Interactive Excavating
09:30 - 09:40	Benjamin Adrian	SYS	GAN's und defectGAN's für die Detektion der Oberflächenfehler
09:45 - 09:55	Oleg Iliev	SMS	ML for parameter identification
10:00 - 10:15	Pause		
10:15 - 10:25	Jochen Schmidt	OPT	Shape Constrained Regression
10:30 - 10:40	Julie Damay	OPT	Matrix Completion Methods to predict thermodynamic mixture properties
10:45 - 10:55	Dominik Lorock	HPC	Searching optimized Neural Networks for Hardware
11:00 - 11:10	Mario Ruben Fernandez	HPC	Deep Learning for Seismic Data Processing
11:15 - 11:25	Ria Grindel	FM	Kriminelle Netze
11:30 - 11:40	Doktoranden-Pitches à 3 Minuten	BV	Nieradzik, Lars „Automating Wood Species Detection and Classification in Microscopic Images of Fibrous Materials with Deep Learning”
			Fulir, Juraj “Overcoming challenges in the development of visual surface inspection systems: The synthetic data approach”
			Nowacka, Anna “A Journey from Semi-Synthetic Training to Real-world Impact Using 3D Convolutions”