

GAMM2025

Thursday 10 April 2025

MS03: Topological Data Analysis: MS03.01 - Room 1.28 (08:30 - 10:30)

-Conveners: Paweł Dłotko; Bartosz Naskręcki

time	[id] title	presenter
08:30	[710] Improving descriptors and understandings in Material Sciences using TDA	SENGE, Jan F.
08:50	[708] Topological Analysis of Dynamical Systems	MARSZEWSKA, Marta
09:10	Discussion	
09:30	[706] Quantifying time-series similarity using topological conjugacy and related concepts	SIGNERSKA-RYNKOWSKA, Justyna
09:50	[711] Bifiltrations of Dowker complexes and their applications	SPALIŃSKI, Jan
10:10	Discussion	

MS03: Topological Data Analysis: MS03.02 - Room 1.28 (14:00 - 16:00)

-Conveners: Paweł Dłotko; Bartosz Naskręcki

time	[id] title	presenter
14:00	[707] Classifying and predicting behaviours of porous structures using Topological Data Analysis	BOGDAN, Michał
14:20	[709] Prediction of elastic modulus for metallic porous materials using 3D convolution neural networks	TOPOLNICKI, Rafał
14:40	[712] Reeb graphs and the shape of space	MICHALAK, Łukasz
15:00	[713] From Mathematical Theory to Machine Learning: Detecting Symmetry Groups in Crystallographic Tilings	NASKRĘCKI, Bartosz
15:20	Discussion	