



# BiGmax Workshop 2021

## Wednesday, 14 April 2021

### Session II: Mathematical approaches in materials science (Chair: Peter Benner) (16:15 - 18:00)

time	[id] title	presenter
16:15	[57] Model-Free Data-Driven Science: Cutting out the Middleman (30 min talk + 15 min discussion)	ORTIZ (INVITED), Michael
17:00	[42] Using phase-field models to coarse-grain data sets from scanning transmission electron microscopy (12 min talk + 3 min discussion)	FREYSOLDT, Christoph
17:15	[46] High-performance data-analytics and AI at MPCDF (12 min talk + 3 min discussion)	MAREK, Andreas
17:30	[48] Uncovering the Relationship Between Thermal Conductivity and Anharmonicity with Symbolic Regression (12 min talk + 3 min discussion)	PURCELL, Thomas
17:45	[3] Resampling Base Distributions of Normalizing Flows (12 min talk + 3 min discussion)	STIMPER, Vincent