



# PETRA IV Workshop - Materials and Processes for Energy and Transport Technology

## Wednesday 21 October 2020

**Structure, Properties, and Processing of Materials II.** - -- Blue Zoom Room -- Chairs: 1st half: Christian Krywka, Peter Staron; 2nd half: Peter Staron, Christina Krywka, ([click for details](#)) (13:30 - 15:45)

time	[id] title	presenter
13:30	[63] Multiscale imaging of nanostructured functional materials for battery research	MANKE, Ingo
13:50	[64] X-ray imaging of high temperature metal processing with high temporal and spatial resolution	TOLNAI, Domonkos
14:10	[65] Real-time monitoring of very rapid scientific engineering processes by means of diffraction methods	GIBMEIER, Jens
14:30	Coffee Break	
14:45	[66] In-situ X-ray diffraction experiments under difficult conditions	EPP, Jeremy
15:05	[67] Structural materials under real manufacturing and service conditions: from state-of-the-art to the challenges of tomorrow	BARRIOBERO VILA, Pere
15:25	[68] The HZG scientific instrumentation plans for PETRA IV	MÜLLER, Martin