



# Scientific Opportunities with very Hard XFEL Radiation

## Thursday 19 January 2023

### Dynamics of functional materials: Plenary Session - Auditorium (09:00 - 12:30)

time	[id] title	presenter
09:00	[51] Introduction	
09:15	[25] Glass formation in phase-change materials: The impact of a liquid-liquid transition	ZALDEN, Peter
09:35	[23] Ultrafast probing of non-equilibrium melting and solidification of metals	ANTONOWICZ, Jerzy
09:55	[31] Probing foundational to functional behaviors in quantum materials with very hard XFEL radiation	ISLAM, Zahir
10:15	Break	
10:45	[1] Understanding functionality in molecular photo-catalysis with high-energy XFELs	HALDRUP, Kristoffer
11:05	[38] Multi-scale approach of ultrafast photoinduced phase transitions in multi-functional materials exhibiting coupled electronic bistability and symmetry-breaking	COLLET, Eric
11:25	[52] Panel discussion and conclusions	