

Wednesday, 8th February – Microsymposium UDM3
Venue: Chadwick Amphitheatre

09:00 – 09:05	Introduction by the organizers	
	<i>Session I – Chair: G. Vaughan</i>	
09:05 – 09:45	Keynote Talk 1: Operando studies of materials for energy storage and conversion	P. Chupas APS Argonne Nat. Lab., USA
09:45 – 10:05	Time-resolved XRD study of $\text{LaCo}_{0.5}\text{Cu}_{0.5}\text{O}_3$ for Three Way Catalysis (TWC) applications	A. Garbujo University of Padova, Italy
10:05 – 10:25	In operando X-ray characterization of single nanowire devices	J. Wallentin Lund University, Sweden
10:25 – 10:45	Journey to the center of the pores	C. Giacobbe ESRF, Grenoble, France
10:45 – 11:10	<i>Coffee break</i>	
	<i>Session II – Chair: A. Fernandez-Martinez and M. Brunelli</i>	
11:10 – 11:50	Keynote Talk 2: Operando studies of battery materials at the ESRF	D. Wragg University of Oslo, Norway
11:50 – 12:10	Observing non-stoichiometry in lithium amide-imide during hydrogen storage and ammonia decomposition reactions	J.W. Makepeace University of Oxford, UK
12:10 – 12:30	High-angular resolution Synchrotron Powder Diffraction studies at ALBA on <i>Operando</i> batteries	F. Fauth CELLS-ALBA Barcelona, Spain
12:30 – 14:00	<i>Lunch</i>	
	<i>Session III – Chair: M. DiMichiel</i>	
14:00 – 14:40	Keynote Talk 3: Operando catalysis studies from model systems to real catalysts	A. Stierle DESY, Hamburg, Germany
14:40 – 15:00	<i>In situ</i> Multimodal 3D chemical imaging of a Hierarchically-Structured Core@Shell Catalyst	T. L. Sheppard KIT Karlsruhe, Germany
15:00 – 15:20	Real-time chemical imaging of catalytic reactors under reaction conditions coupled with technical advances in XRD-CT	A. Vamvakeros Univ. College London, UK
15:20 – 15:40	Reversible structural transformation in Au/SiO_2 catalyst as followed by <i>operando</i> GISAXS/GIXD studies	Y. Odarchenko Univ. College London, UK
15:40 – 16:00	Discussion	