



OPERANDO APPROACHES FOR ADVANCED MATERIALS DEVELOPMENT

27 March 2023 | 10:00 - 17:00

Crausaz Wordsworth Building,
Robinson College, Cambridge

This one-day symposium will focus on the latest advances in the use of operando techniques to gain deeper understanding of the growth, processing, functionality and performance of novel energy and device materials. Organised by Prof Stephan Hofmann, University of Cambridge, Director of NanoDTC, and Prof Robert Weatherup, University of Oxford, Royce Research Area Lead for Electrochemical Systems, this event aims to build an interdisciplinary network of researchers working on operando and in-situ methods and related data analysis and computationally aided optimisation approaches.

We welcome you to join the event in person or to participate online.

For more details

REGISTER HERE

tinyurl.com/OperandoWorkshop22

We are grateful for support from



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AGENDA

Operando Approaches for Advanced Materials Development

27 March 2023

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10:00 Registration/coffee Set up posters

10:25	Welcome	Stephan Hofmann , Cambridge Robert S. Weatherup , Oxford
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10:30	Operando Low-energy Electron Microscopy of van-der-Waals Materials	Sense J. van der Molen , Leiden
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11:00	Photonic Crystal Fibres for Chemical Sensing and Photochemistry	Tijmen G. Euser , Cambridge
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11:15	Correlative Electrochemical Multimicroscopy	Patrick R. Unwin , Warwick
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11:45 Lunch & Posters Foyer

13:30	Digital Navigation of Chemical Space for Function	Matthew J. Rosseinsky , Liverpool
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14:00	Ultrafast Electron Microscopy	Murat Sivis , Göttingen
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14:30	Operando Spectroscopy of Electrochemical Water Oxidation Mechanisms	Reshma R. Rao , Imperial
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14:45	Operando Probing of Solid-Liquid Interfaces	Alex S. Walton , Manchester
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15:00 Afternoon refreshments & Posters Foyer

15:45	Dynamics of Model Catalysts	Barbara A. J. Lechner , München
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16:15	In-situ and Operando Core Level Spectroscopy	Sven L. M. Schröder , Leeds
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16:45	Graphene Brain-On-a-Chip Platform for the Study of Neurodegeneration	Gabi Kaminski , Cambridge
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17:00 Drinks Foyer

18:00 Depart