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UK & IRELAND

1st UK-Japan Symposium on Advanced Materials for Hydrogen and Fuel Cells (Online)

Thursday 9th December 2021

8:30 – 13:45 (GMT) 17:30 – 22:45 (JST)

You are warmly invited to a virtual symposiums on advanced materials for hydrogen and fuel cells, sponsored by the Japan Society for the Promotion of Science (JSPS) and supported by the Translational Energy Research Centre (University of Sheffield, UK) and the Platform of Inter/Transdisciplinary Energy Research (Kyushu University, Japan). The latest scientific advances related to the hydrogen related technologies (in particular hydrogen fuel cells) as well as the challenges that need to be tackled to expedite their widespread deployment will be presented in the symposium. The symposium brings together world-leading experts from UK and Japan on developing, synthesising and characterising novel, high-performance and cost-effective materials for the hydrogen technologies, particularly the main two cost-drivers for hydrogen fuel cell technologies: the catalysts and the membrane electrolytes.

Programme

08:30 (17:30 JST)	Opening remarks Prof Naoto Kobayashi (JSPS London)
08:35 (17:35 JST)	Hydrogen: the clean energy transformation Prof Mohamed Pourkashanian, Director of Translational Energy Research Center (University of Sheffield, UK)
Session 1 Moderator: Dr Stephen Lyth (Kyushu University, Japan)	
09:00 (18:00 JST)	Graphene oxide as a super material Prof Shinya Hayami (Kumamoto University, Japan)
09:20 (18:20 JST)	Data driven design of catalysts Dr Keisuke Takahashi (Hokkaido University, Japan)
09:40 (18:40 JST)	Gas barrier polymer electrolyte membrane and gas permeable ionomers for PEFC Dr Masamichi Nishihara (Kyushu University, Japan)



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10:00 (19:00 JST)	Fuel cell powered vehicles: modelling of flow channels Dr Mohammed Ismail (University of Sheffield, UK)
10:20 (19:20 JST)	Poster Session
11:20 (20:20 JST)	Break
12:15 (21:15 JST)	JSPS funding opportunities Ms Tomoka Miyoshi (JSPS London)
Session 2 Moderator: Dr Mohammed Ismail (University of Sheffield, UK)	
12:30 (21:30 JST)	Affordable fuel cells from advanced nanomaterials Dr Stephen Lyth (Kyushu University, Japan)
12:50 (21:50 JST)	Advanced functional materials from porous assembly design Dr Jet Lee (University of Tokyo, Japan)
13:10 (22:10 JST)	Efforts on the development of aviation fuel cell stacks Dr Ahmad El-Kharouf (University of Birmingham, UK)
13:30 (22:30 JST)	Closing Remarks

Registration

This symposium is free and open to all who are interested. Please use the below link to register for the event by 7th December 2021:

<https://www.eventbrite.co.uk/e/1st-uk-japan-symposium-on-advanced-materials-for-hydrogen-and-fuel-cells-tickets-204546633487>

If you have any questions, please contact:

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