Pioneering the future by design engineering

This session will focus on how design is used to advance engineering. The academics involved will present and discuss their research, and the benefits of collaboration in this field.

Wednesday 16 March

9:00-10:00 GMT 18:00-19:00 JST

Keywords:

design engineering

Audience:

Industry (engineers, technologists, managers, strategists), government (policy makers and programme managers), university (researchers, students), etc.

Organised by:

University of Cambridge Engineering Design Centre (EDC) & Institute for Manufacturing (IfM) and The University of Tokyo Institute of Industrial Science (IIS) & School of Engineering

Language: English

Registration: Webinar

 $https://u-tokyo-ac-jp.zoom.us/meeting/register/tZEqdOmsrTMrHd2TJJeJxmAu_6koFiNY1Q0V$









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0:00 GMT Opening

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Agenda

9:00 GIVI I	Upening	Dr Robert Phaal (Cambridge)
18:00 JST	Introduction	Dr Yusuke Kajihara (UTokyo)
9:05 GMT	Treasure Hunting@UTokyo - Developing	
18:05 JST	methods for science x design collaboration	Prof Miles Pennington (UTokyo)
9:30 GMT	Darwin's hawk moth and the Malagasy star	
18:30 JST		
	thinking about the interaction between problems and solutions in design	Prof Nathan Crilly (Cambridge)
9:55 GMT	Wrap up	Dr Robert Phaal (Cambridge)
18:55 JST	• •	Dr Yusuke Kajihara (UTokyo)
10:00 GMT	Announcement & Close	Dr Yusuke Kishita (UTokyo)
19:00 JST		

Speakers:



Prof Miles Pennington

www.designlab.ac/

Professor, Institute of Industrial Science The University of Tokyo

Prof Miles Pennington has been based at The University of Tokyo since September 2017, where he helps direct the DLX Design Lab. Previously he was at the Royal College of Art in London as Head of Programme of the Innovation Design Engineering (IDE) programme. He was also Founder and Head of the international exchange programme Global Innovation Design (GID).



Prof Nathan Crilly

www-edc.eng.cam.ac.uk/people/nc266.html

Professor, Engineering Design Centre University of Cambridge

Nathan Crilly is Professor of Design at the Engineering Department at the University of Cambridge. He conducts research into how products, systems and services are designed and developed, focusing on designers' creativity and users' experiences. Nathan combines a variety of research approaches in his work, including experimental and qualitative methods of empirical investigation, and integrative scholarly methods for conceptual development. This work is interdisciplinary in nature, connecting ideas, methods and findings from different research traditions. In addition to his individual research, Nathan collaborates with researchers specialising in engineering, product design, psychology, computer science, complexity science, education, anthropology and philosophy.

Moderators:



Dr Robert Phaal

www.ifm.eng.cam.ac.uk/people/rp108/

Director of Research, Institute for Manufacturing University of Cambridge

Dr Robert Phaal is a Director of Research based in the Department of Engineering at the University of Cambridge. He conducts research in the areas of strategic technology and innovation strategy, with particular interest in the development of practical management tools. He is a chartered engineer, with a PhD in computational mechanics, and industrial experience in technical consulting and software development.



Dr Yusuke Kajihara

www.snom.iis.u-tokyo.ac.jp/index e.html

Associate Professor, Institute of Industrial Science The University of Tokyo

Dr Yusuke Kajihara is an Associate Professor at the Institute of Industrial Science, the University of Tokyo. He is a member of DLX Design Lab. His research interests include dissimilar joining, passive nanoscale imaging, and terahertz measurements.