

Agenda, UDRC Themed Meeting on Imaging through Obscure Media

As part of the UDRC phase III, a themed meeting on Imaging through Obscure Media will be held on Wednesday 22nd July. This will be a virtual event and will be held using the Zoom platform. This event is intended for academic researchers, industrial partners and Dstl staff to learn about and discuss current trends in Imaging through Obscure Media.

The program will consist of a series of talks from academia and defence industry covering sensing in difficult environments including underwater and weather associated environments followed by a Dstl Challenge competition.

Timings: Wednesday 22nd July 2020, Start 9:30am until 4pm

Location: Zoom link to be sent to attendees once registered (to register please email janet.forbes@ed.ac.uk)

Timing	Topic	Name
9:30-11:20	Session 1 Chair	Yoann Altmann, Heriot-Watt University
9:30 – 9:40	Introductions and Welcome	Yoann Altmann, Heriot-Watt University
9:40 – 10:10	Defence aspirations to “sense” through scattering media	Ken McEwan, Dstl and Sean Tipper, Dstl
10:10 – 10:50	Vehicle Autonomy in Adverse Conditions: Radar, Optical & Fused Sensing	Andy Wallace, Heriot-Watt University and Bernie Mulgrew, University of Edinburgh
10:50 – 11:20	Seeing and listening when common sense says it shouldn’t be possible	Ilya Starshynov, University of Glasgow
11:20 – 11:45	Break	
11:45 -13:15	Session 2 Chair	Mike Davies, University of Edinburgh
11:45– 12:15	Online 3D imaging in high-background scenarios	Yoann Altmann, Heriot-Watt University
12:15 – 12:45	Imaging and tracking objects beyond scattering media	Jacopo Bertolotti, University of Exeter
12:45 – 13:15	Image enhancement for marine robotics applications	Tomasz Luczynski, Heriot-Watt University
13:15 – 14:10	Lunch Break	
14:10 – 15:10	Session 3 Chair	Stephen McLaughlin, Heriot-Watt University
14:10 – 14:40	Fast Multi-Dimensional Imaging With Single-Photon LiDAR Data	Dr Abderrahim Halimi, Heriot-Watt University
14:40 – 15:10	Seeing Through Clouds with Coherent LiDAR Imaging	Mark Silver, Thales
15:10 – 15:25	Break	
15:25 – 15:40	Dstl challenge competitions	Jordi Barr, Dstl
15:40 – 16:00	Discussion and Questions	
16:00	Close	