

Towards Greater Autonomy in Space workshop

Organised by:
University of Liverpool, Satellite Applications Catapult, UK Space Agency, Fair-Space RAI Hub

21 January 2020 | 09:30
University of Liverpool in London, 33 Finsbury Square, Finsbury, EC2A 1AG

Workshop Agenda

Time	Session	Speaker
09:00-09:25	<i>Registration & Refreshments</i>	
09:25 – 09:30	<i>Welcome</i>	Michael Fisher <i>Professor of Computer Science, FAIR-SPACE Hub, University of Liverpool</i>
Session 1: Background and Context		
09:30 – 09:40	Introduction and Opportunities for Space Autonomy	Chris Brunskill <i>Head of Access to Space, Satellite Applications Catapult</i>
09:40 – 10:00	Towards Future Space Autonomy	Jason Forshaw <i>European R&D Manager, Astroscale</i>
10:00 – 10:15	Introduction and Status of the Space Robotics SRC	Dan Jones <i>Space Technology Cluster Manager, UKSA</i>
10:15 – 10:35	FAIR-SPACE and Future Autonomy	Yang Gao <i>Professor of Space Autonomous Systems, FAIR-SPACE Hub, Head of STAR LAB, University of Surrey</i>
10:35 – 11:05	Panel Q & A	<i>Chaired by Chris Brunskill</i>
11:05 – 11:30	<i>Coffee Break</i>	

Session 2: Verification and Regulation

11:30 – 11:50	What is different about Autonomy (and why we need stronger Verification and Validation)	Michael Fisher
11:50 – 12:05	Regulatory Aspects of Space Autonomy	Toby Harris <i>Head of Orbital Systems, UK Space Agency</i>
12:05 – 12:20	Issues in Regulation of Autonomous Robotics: View from a Non-Space Sector	Dr Andrew White <i>Office for Nuclear Regulation, UK</i>
12:20 – 12:45	Panel Q&A	<i>Chaired by Michael Fisher</i>
12:45 – 13:30	Lunch	

Session 3: Future of Space Autonomy

13:30 – 13:50	Future Challenges for In-Space Autonomy	Matthew Stuttard <i>Head of Space Technical Strategy and R&D, UK, Airbus</i>
13:50 – 14:10	Navigation autonomy from low Earth to lunar orbits	Roger Ward <i>Chief Technical Officer, Thales Alenia Space</i> Benoist Loscul <i>AOCS/GNC Engineer, Thales Alenia Space</i>
14:10 – 14:30	Cyber Security Issues	Carsten Maple <i>Professor of Cyber Systems Engineering, WMG, FAIR-SPACE Hub, University of Warwick</i>
14:30 – 15:00	Panel Q&A	<i>Chaired by Carsten Maple</i>
15:00 – 15:05	Closing Remarks	Michael Fisher
15:05 – 15:30	Tea, Coffee, Cakes and Networking	