

BRL Virtual Conference 2021

Programme

09:30	Conference Open / Welcome Tod Burton (UWE) & Prof. Ian Nabney (UoB)
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09:40	Transforming Industry Together Prof. Arthur Richards (UoB) & Prof. Manuel Giuliani (UWE)
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09:55	Tracks Overview Manuel Giuliani
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	Track One	Track Two	Track Three	Track Four			
10:00	Drones, Teams, and Minds of Their Own: Autonomous Mobile Robot Systems Arthur Richards	10:00	The Robot Fabricator for Autonomous Robot Evolution Matt Hale	10:00	Ethical Foresight Analysis; Get the Good, Avoid the Bad Matt Studley	10:00	BRL MSc Programme Paul O'Dowd & Hemma Philamore
10:15	Smart Automation for SMEs Mark Corderoy	10:15	Bioenergy for Robotics and Beyond Ioannis Ieropoulos	10:15	The European Robotics League Matt Studley	10:25	FARSCOPE CDT - Industrial Activities Paul Harper
10:45	- Break -						
11:00	Robot Accident Investigation: a case study in Responsible Robotics [Robot Safety] Alan Winfield	11:00	The Great Potential of Soft Robotics for Industry Helmut Hauser	11:00	Robot Skill Learning and Human Robot Share Control Charlie Yang	11:00	PhD Talk: Sensing Ultrasonic Mid-Air Haptics with a Biomimetic Tactile Fingertip Noor Alakhawand
11:15						11:15	PhD Talk: Deep Learning Methods for Social Awareness in Human-Robot Interaction Nicola Webb
11:30	Out-of-the-Box Swarm Solutions for Intralogistics Sabine Hauert	11:30	Funding Opportunities for Collaboration David Lennard	11:30	Prometheus: Aerial Exploration of Underground Spaces Rob Clarke	11:30	PhD Talk: Planning for failure - Providing guarantees for multi-robot mission completion despite robot failures Mickey Li
11:45						11:45	PhD Talk: Active Inference for Tactile Sensing System Control Pernilla Craig
12:00	Robot Vision Mel Smith & Lyndon Smith	12:00	Standards and Regulations for Physically Assistive Robots Praminda Caleb-Solly	12:00	Ethical Human-Robot Interactions Anouk Van Maris	12:00	PhD Talk: How and when should a robot initiate and terminate a social interaction with a human? Luc Wijnen
12:15						12:15	PhD Talk: Towards a notion of functional equivalence between planning domain models Anas Shrinah

12:30	Panel: What Is The Future of Robotics? Arthur Richards (UoB) - Manuel Giuliani (UWE) - Sabine Hauert (UoB) - Praminda Caleb-Solly (UWE)
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13:00	- Lunch -
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13:30	Panel: Smart Automation & Startups Mark Corderoy (UWE) - Farid Dailami (UWE) - Arthur Keeling (Indus Ltd) - Sammy Payne (Open Bionics)
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	Track One	Track Two	Track Three	Track Four			
14:00	Future of Robot Dexterity Nathan Lepora	14:00	New Robot Vision Lab Mel Smith & Lyndon Smith	14:00	Developing Trustworthy Adaptive Autonomous Systems Shane Windsor	14:00	PhD Talk: Bionic Glove: A Soft Smart Wearable Sensory Feedback Device for Upper Limb Robotic Prostheses Melanie Simons
14:15						14:15	PhD Talk: An intuitive and immersive user interface for the teleoperation of mobile robots Greg Baker
14:30	RIF: Experiences of Automation in SMEs Farid Dailami	14:30	Connected Autonomous Vehicles Kerstin Eder	14:30	Robot Cooperative Teleoperation and Skill Learning Zhenyu Lu	14:30	PhD Talk: Walking on TacTip Toes: A Tactile Sensing Foot for Walking Robots Lizzie Stone
14:40				14:40	Soft Robots for Connecting Isolated People Hemma Philamore	14:45	PhD Talk: A ground based 'whegged' robot for the characterisation of Nuclear Environments Dominic Murphy
15:00	Can a Friendly Social Robot Support Young People with Autism? Severin Lemaignan	15:00	An Eco-system for Technology Start-ups Mark Corderoy	15:00	Anthropomorphism in Medical Robotics and Beyond: Dexterity and Haptics Antonia Tzemanaki	15:00	PhD Talk: Robots in Need: The Influence and Ethics of Using Emotion to Gain Assistance Joe Daly
15:15						15:15	PhD Talk: Autonomic computing for Autonomous systems Abanoub Ghobrial
15:30	Using Robots for Nuclear Decommissioning Manuel Giuliani & Paul Bremner	15:30	Computer Vision for Industry Gary Atkinson	15:30	Autonomous Systems Kerstin Eder	15:30	PhD Talk: Learning dynamic flight manoeuvres for agile Uncrewed Aerial Vehicles (UAVs) Liam Fletcher

16:00	Engaging With Bristol Robotics Laboratory Prof. Arthur Richards & Prof. Manuel Giuliani
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16:15	- One to One Sessions -
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16:45	- END -
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