



UNIVERSITY OF  
BIRMINGHAM

**DIGITAL**  
Innovation Boot Camp  
24 - 28 June 2019



**IET** The Institution of  
Engineering and Technology

Academic Partner

Date	Time	Programme
24 June	09:00	Introduction to Digital Innovation Boot Camp 2019 (Prof Ian Jefferson, University of Birmingham)
	09:15	Sandbox Event - Global Challenge (Dr Mehran Eskandari Torbaghan and Manu Sasidharan, University of Birmingham)
	10:00	<b>Technological Challenge &amp; Industry 4.0</b> (Prof Lisa De Propis, University of Birmingham)
	11:00	Lunch
	12:30	Group Discussion for Global Challenge
	13:30	<b>Automation of Crack Detection for Road Pavement</b> (Dr Mohamed Abdellatif, University of Leeds)
	14:30	Break
	14:45	<b>Brain Storming and Design Thinking</b> (Nandy Millan, University of Birmingham)
	15:45	Group Work on Global Challenge
25 June	09:00	<b>VR/AR and Internet of Things</b> (Nandy Millan, University of Birmingham)
	10:15	Break
	10:30	<b>Blockchain</b> (Dr Jonathan Watkins, University of Birmingham)
	11:30	<b>AI Applications to Market – Case Study</b> (Reynold Greenlaw, Director at Oxford Computer Consultants)
	12:30	Lunch
	13:30	Group Work on Global Challenge
26 June	09:30	<b>Building information modelling (BIM)</b> (Dr Richard Davies, University of Birmingham)
	11:15	Break
	11:30	<b>Crowdfunding innovation</b> (Dr Endrit Kromidha, University of Birmingham)
	12:30	Lunch
	13:30	<b>Analytics and Business</b> (Dr Davon Barrow, University of Birmingham)
	14:30	Break
	14:45	<b>LIDAR and Data Analytics</b> (Ali Maraci, Cosworth)
	15:45	Group Work on Global Challenges
27 June	09:00	<b>Machine Learning</b> (Twana Haji - University of Birmingham, School of Engineering)
	10:00	Break
	10:15	<b>Pitch It Up</b> (Manu Sasidharan and Dr Mehran Eskandari Torbaghan, University of Birmingham)
	12:30	Lunch
	13:30	Model Pitching and Mentoring Sessions with UoB Research Groups + Group Work
28 June	09:00	Global Challenge Pitch (10 minutes Pitch + 20 minutes QA for each group)
	11:00	Award ceremony
	11:30	Lunch