

Key technologies shaping the future – Thursday 1 July 2021 Programme (DAY ONE)	
1.00pm	<p>Welcome</p> <p>Professor Sir Jim McDonald FREng FRSE, President, Royal Academy of Engineering</p> <p>Professor Max Lu FREng, President and Vice-Chancellor, University of Surrey; Chair of CESAER Key Technologies Task Force</p>
1.20pm	<p>Healthy society in 30 years: Augmentation for health and wellness</p> <p>Introduction: Professor Jackie Hunter CBE FMedSci, Director, Benevolent AI</p> <p>Speakers: Professor Arlindo Oliveira, President, Instituto Superior Tecnico Professor Ewan Birney CBE FRS, Deputy Director General, EMBL Professor Gisbert Schneider, ETH Zurich Dr Anika Binnendijk, Political Scientist, RAND Corporation Professor Tim Marler, Pardee RAND Graduate School Professor Gordon Cheng, Chair, Institute for Cognitive Systems at the Technical University of Munich</p>
2.10pm	Q&A session
2.30pm	<p>Closing statement</p> <p>Dr Chris Luebke, Leader, Strategic Foresight Hub, ETH Zurich</p>
2.40pm	Comfort break
3.00pm	<p>Safe, secure and equitable society in 30 years</p> <p>Introduction: Professor Dimitra Simeonidou FREng, Head of Bristol Digital Futures Institute</p> <p>Speakers: Professor Dame Wendy Hall DBE FREng FRS, Regius Professor of Computer Science at the University of Southampton Carly Kind, Director, Ada Lovelace Institute Professor Dominic O'Brien, Professor of Engineering Science, Oxford University Professor Marlene Kanga, Past President, World Federation of Engineering Organisations</p>
3.55pm	Q&A session
4.10pm	Closing statement

	Professor Tariq Durrani OBE FREng FRSE, University of Strathclyde
4.15pm	Comfort break
4.25pm	Keynote presentation Rt Hon Kwasi Kwarteng, Secretary of State for Business, Energy and Industrial Strategy
4.45pm	Close
Key technologies shaping the future – Friday 2 July 2021 Programme (DAY TWO)	
1.00pm	Welcome back Professor Max Lu FREng, President and Vice-Chancellor, University of Surrey; Chair of CESAER Key Technologies Task Force Professor Rik van de Walle, Rector of Ghent University and President of CESAER
1.20pm	Net zero world in 30 years Introduction: Professor Ravi Silva CBE FREng, Director of Advanced Technology Institute, University of Surrey Speakers: Professor Sir Jim McDonald FREng FRSE, President, Royal Academy of Engineering Professor Martin Green FRS, University of New South Wales Chad Frischmann, Senior Director, Research and Technology, Project Drawdown Emma Harrison, Business Leader, Systems Integration, Energy Systems Catapult Adam Wentworth, Good Energy Group plc Alex Joss, COP26 Lead for Technology and Innovation
2.10pm	Q&A session
2.30pm	Closing statement Professor Ravi Silva CBE FREng, Director of Advanced Technology Institute, University of Surrey
2.35pm	Comfort break
3.00pm	Envisioning learning and teaching in 30 years Introduction: Johan Blaus, Director Strategic Partnerships KTH Royal Institute of Technology, Stockholm Professor James Tien, Distinguished Professor, University of Miami Speakers: Professor Anant Agarawal, Founder and CEO, EdX



	Professor Bill Rouse, Research Professor, McCourt School of Public Policy, University of Georgetown Professor Leah Jamieson, Professor of Electrical and Computer Engineering, Purdue University Professor Manu Kapur, Professor for Learning Sciences and Higher Education, ETH Zurich
3.50pm	Q&A session
4.10pm	Closing statements Johan Blaus, Director Strategic Partnerships KTH Royal Institute of Technology, Stockholm Professor James Tien, Distinguished Professor, University of Miami
4.20pm	Comfort break
4.30pm	Closing keynote presentation Minister Manuel Heitor, Minister of Science, Technology and Higher Education, Portugal
4.45pm	Event close