

Workshop: How Smart Machines Will Revolutionize the World

16-18 June, 2021
Programme

Time: Central European Summer Time

Wednesday June 16th	Thursday June 17th	Friday June 18th
9.00 am	9.00 am to 10.30 am	9.00 am to 10.30 am
Welcoming address Editors of the Handbook	Platform regulation. Coordination of markets and curation of sociality on the internet Ulrich Dolata	The fourth industrial revolution and the distribution of income Stella S. Zilian & Laura S. Zilian
09.30 am to 11 am	Crypto assets Tobias Eibinger, Ernst Brudna & Beat Weber	Smart technologies and gender. A never-ending story Knut Sørensen & Vivian A. Lagesen
On machine ages. Causes, forms and effects of technological change Heinz D. Kurz	Blockchain and the "smart-ification" of governance. The last "building block" in the smart economy Brendan Markey-Towler Chairperson: Tobias Eibinger	The impact of disruptive technologies on work and employment Irene Mandl, Ricardo Rodriguez Contreras, Eleonora Peruffo & Martina Bisello Chairperson: Stella S. Zilian
Tools and concepts for understanding disruptive technological change after Schumpeter Mark Knell & Simone Vannuccini		
Structural dynamics in the era of smart technologies Ariel Luis Wirkierman Chairperson: Heinz D. Kurz	10.45 am to 12.15 am	10.45 am to 12.15 am
11.15 am to 12.45 am	Regional disparities in the race for the machine the science space of artificial intelligence knowledge production: global and regional patterns, 1990-2016 Dieter Franz Kogler, Adam Whittle & Bernardo Buarque	Smart technologies, energy demand and vulnerable groups; the scope for "just" metering? Dan van der Horst
Is this time different? A note on automation and labour in the fourth industrial revolution Luigi Marengo	The diffusion of industrial robots Bernhard Dachs, Xiaolan Fu & Angela Jäger	North-South divide in research and innovation and the challenges of global technology assessment - the case of smart technologies in agriculture Andreas Stamm
Artificial intelligence Fredrik Heintz	New mission-oriented innovation policy in the digital era.	A digital society for an ageing population. The Japanese experience Yuko Harayama & René Carraz Chairperson: Jörn Kleinert
Cybersecurity and ethics. An uncommon yet indispensable combination of issues Karsten Weber Chairperson: Christian Gehrke	How policy-based social technologies fuel the development of smart technologies Marlies Schütz & Rita Strohmaier Chairperson: Marlies Schütz	
Lunch Break	Lunch Break	
2 pm to 4 pm	1 pm to 2.30 pm	
Digital transformation and the sovereignty of nation states Richard Sturn	Smart health Thomas Cypionka & Susanne Drexler	
Antitrust law and digital markets Viktoria Robertson	Digitalisation and development in India: an overview Ali Syed Mohib	
The legal protection of platform workers Jeremias Adams-Prassl & Martin Gruber-Risak	Industry 4.0 in China Li Han & Zhang Wei Chairperson: Rita Strohmaier	
Smart Cities. A spatial perspective - On the "how" of smart urban transformation Elke Pahl-Weber & Nadja Berseck Chairperson: Richard Sturn	2.45 pm to 4.15 pm	
	The triple bottom line of smart manufacturing technologies: an economic, environmental and social perspective Thorsten Wuest, David Romero, Muztoba A. Khan & Sameer Mittal	
	"Back to the future": smart technologies and the sustainable development goals Carlos J. Dominguez, Claudia Ortiz Chao & Simone Lucatello	
	Producing the "user" in smart technology projects: smart grids and smart metering infrastructure Antti Silvast, Robin Williams, Sampsa Hyysalo, Kjetil Rommetveit & Charles Raab Chairperson: Patrick Mellacher	