

International Telecommunications Society Webinar

Innovation in 5G Technology: Leadership, Competition and Policy Issues

Registration: On Eventbrite - <https://www.eventbrite.ca/e/innovation-in-5g-technology-leadership-competition-and-policy-issues-registration-272975706687>

Hosts: Florence School of Regulation – Communications & Media (EUI)
Chalmers University of Technology
ITS (International Telecommunications Society)
Telecommunications Policy
TELUS

Length: 90 minutes

Date: 27 April 2022, 2.00-3.30pm (CEST) / 8:00-9:30am (EST) / 9:00-10:30pm (JST, KST)

Structure: 15 minutes presentation for each speaker followed by overall 20 minutes of Q&A

Background: 5G development, implementation and disruptiveness continues to gather attention and debate among policymakers and researchers. 5G will provide the basis for digitization in many areas of our lives and will influence a broad spectrum of sectors. Full realisation of the Internet of Things (IoT), often called the next Industrial Revolution, relies on 5G development. At present, one estimate is that there will be up to 26 billion connected devices by 2026 (Ericsson, 2021). The global economic impact of 5G is expected to be enormous: up to €2.0 trillion in sales growth and 20 million jobs across all sectors of the economy between 2021-2025 (Accenture, 2021).

Recognizing the importance of understanding the many nuances and implications of 5G technologies, *Telecommunications Policy* will be publishing a new special issue on ***'Innovation in 5G technology: leadership, competition and policy issues'*** (2022). Contributions to the special issue provide insights on the opportunities and challenges raised by the implementation of 5G across sectors and explore potential implications for policy.

The webinar will use these contributions from four global experts as the basis for a discussion about innovation in 5G standard and downstream applications. Accurate mapping of patents, publications, and standard contributions, as reflected in recent empirical analyses, will shed light on technological and innovation leadership at the company and country level. This, in turn, is important not only for companies implementing 5G but also for improving public perceptions and government policies about 5G. Presenters will explore some recent experiences with 5G applications and single out important policy enablers of complementary innovation.

Programme

2.00-2.05	Opening remarks	Stephen Schmidt (ITS Chair, Chief Regulatory Legal Counsel, TELUS)
2.05- 3.30	<p>Chair: Erik Bohlin (Chalmers University)</p> <p>Presentation and discussion of the Special Issue of Telecommunications Policy – “Innovation in 5G technology: leadership, competition, and policy issues”</p>	<ul style="list-style-type: none"> - Maria Alessandra Rossi (University of Chieti-Pescara) - Maria Massaro (Volvo Group) - Johannes M. Bauer (Michigan State University) - Pier Luigi Parcu (European University Institute)

Speakers' Background:

Maria Alessandra Rossi is Associate Professor of Economic Policy at the University of Chieti-Pescara. Her research interests cover the law and economics analysis of intellectual property rights and innovation, telecommunications & media economics, as well as competition and regulation policy.

Maria Massaro works as regulation specialist at Volvo Group following and influencing European regulatory initiatives concerning radio spectrum use, automated and connected driving, intelligent transport systems, real time traffic information services, repair and maintenance information and data. Maria holds a PhD in technology management and Economics from Chalmers University of Technology (Sweden). Her main research interests focus on investigating radio spectrum policy and management from a multidisciplinary perspective, combining political science, history, economics and law.

Johannes M. Bauer is a Professor in the Department of Media and Information and the Director of the Quello Center for Media and Information Policy at Michigan State University (MSU). His research focuses on how management and policy can optimize the benefits of advanced information and communication technologies for individuals, communities, and society.

Pier Luigi Parcu is part-time Professor at the European University Institute (EUI) from 2010. He is currently Area Director of the FSR Communications & Media, Director of the Centre for Media Pluralism and Media Freedom and Director of the Florence Competition Programme in Law and Economics.