



Towards a Connected and Automated Society

30th ITS European Conference
Espoo, Finland, 16th - 19th June 2019



Programme Overview, 16th – 18th June

Sunday, June 16		Monday, June 17		Tuesday, June 18	
		08:30 - 09:00	Registration		
		09:00 - 10:30	Opening session	09:00 - 10:30	Parallel sessions 4
		10:30 - 11:00	Coffee	10:30 - 11:00	Coffee
		11:00 - 12:30	Parallel sessions 1	11:00 - 12:30	Parallel sessions 5
		12:30 - 13:30	Lunch	12:30 - 13:30	Lunch
		13:30 - 15:00	Parallel sessions 2	13:30 - 15:00	Parallel sessions 6
		15:00 - 15:30	Coffee	15:00 - 15:30	Coffee
		15:30 - 17:00	Parallel sessions 3	15:30 - 17:00	Parallel sessions 7
18:00 - 20:00	Welcome reception, Fat Lizard Restaurant	17:00 - 20:00	Industry Night, Visit to Nokia Campus and Executive Experience Center (bus transport)	18:00 - 21:00	Conference Dinner, Walhalla Restaurant (boat to Suomenlinna fortress island)

17th June 2019

Opening session 09.00 – 10.30

Opening session	<p>Welcome speeches</p> <p><i>TBC</i></p> <p>Panel: Network Security, Integrity, Resilience</p> <p><i>Moderator:</i> Georg Serentschy - Serentschy Advisory Services, Austria</p> <p><i>Confirmed speakers:</i></p> <p>Wolfgang Schwabl - Cyber Security Officer, A1 Group, Austria; Co-Head of the Cyber Security Platform (CSP), Austria</p> <p>Afke Schaart – Vice President and Head of Europe, Russia and CIS, GSMA; GSMA Board Member</p> <p>Matthew Kirk - International Affairs Adviser, Squire Patton Boggs, UK</p> <p>Paul Timmers - Visiting Research Fellow, Centre for Technology and Global Affairs, Oxford University, UK</p>

Parallel Session 1: 11.00 - 12.30

Autonomous vehicles	Broadband - investment	Artificial Intelligence 1	5G - investment	Regulation 1
Location: YYYY	Location: YYYY	Location: YYYY	Location: YYYY	Location: YYYY
<p>Latruwe, Verbrugge & Colle - Why hasn't floating car data disrupted the traffic management industry yet?</p> <p>Pearl - Hands off the wheel: The coming case for banning human-driven vehicles</p> <p>Mitomo - Conceptual Modeling of the diffusion of the connected: An implication for autonomous driving</p>	<p>Matteucci & Faggian - Broadband investment in Italy: A municipality-level analysis</p> <p>Sahebal, Sadowski, Nomaler & Brennenraedts - Infrastructure rollout and fibre provision: The case of NGN in the Netherlands</p> <p>Liang, Aimene & Lebourges - Estimating the impact of co-investment in fiber to the home: Coverage, adoption and competition</p>	<p>van der Vorst & Jelcic - AI and personalized learning. Can AI bring the full potential of personalized learning to education?</p> <p>Levin, Schmidt & Balmer - Artificial and augmented intelligence applications in telecommunications -- From theory to practice</p> <p>Kim & Nam - Analyzing continuance intention of recommendation algorithms</p>	<p>Pápai, Nagy, McLean & Csorba - Economising on network provision while preserving competition: the challenges of 5G mobile network sharing</p> <p>Kantola - European net neutrality: A hindrance to 5G success</p> <p>Veijalainen & Chao - Infrastructure investment strategies of 5G in China</p>	<p>Kawamata - Geo-political economy & culture and connected life in Asian ICT markets</p> <p>Streel & Jacques - Personalised pricing and EU law</p> <p>Fredebeul-Krein - The CETA-agreement on telecommunication services – A blueprint for a future WTO accord in multilateral trade liberalisation?</p>
<p>Note: The last speaker in each parallel session is the designated session chair and responsible for keeping the session on time.</p>				

Parallel Session 2: 13.30 - 15.00

Mobile	Policy and technological interventions in markets	ICT & economic change	Panel session – Blockchain: Innovation in distributed governance in the cryptosphere
Location: YYYY	Location: YYYY	Location: YYYY	
<p>Castells, Bahia & Pedros - The impact of mobile technology on economic growth: Global insights from 2G, 3G and 4G deployments</p> <p>Sonntag, Manner & Paatsila – Netradar: Measuring the user need of mobile networks</p> <p>Giovannetti & Hamoudia - Assessing the impact of direct and indirect network externalities in the diffusion of mobile internet in Sub-Saharan Africa</p>	<p>Teklemariam & Kwon - How should broadband policies be changed with diffusion level? A worldwide empirical analysis</p> <p>Gerli, Navio & Whalley - Does the multilevel governance of state aid encourage broadband diffusion? Evidence from three European countries</p> <p>Abate, Zarri & Sivakumaran – 5G, network evolution and market structures in Europe – What should we expect?</p>	<p>Jeanjean & Ciriani - Competition, technological change and productivity gains: the contribution of information technologies</p> <p>Sour & Maliki – ICT and technological capacity: A regression analysis on some European countries and emerging countries</p> <p>Banerjee, Rappoport & Alleman - A cross-country analysis of ICT diffusion, economic growth, and global competitiveness</p>	<p>Moderator: Bronwyn Howell, Victoria University of Wellington, New Zealand</p> <p><i>Speakers</i></p> <p>Bronwyn Howell, Victoria University of Wellington; American Enterprise Institute - <i>Industry Self-Regulation of Cryptocurrency Exchanges</i></p> <p>Petrus Potgieter, University of South Africa - <i>The techno-economic content of your crypto wallet</i></p> <p>Bert Sadowski, Eindhoven University of Technology - <i>Smart contracts and blockchain</i></p>
<p>Note: The last speaker in each parallel session is the designated session chair and responsible for keeping the session on time.</p>			

Parallel Session 3: 15.30 - 17.00

Media	Broadband – uses and benefits	Artificial Intelligence 2	5G - uses	Data 1
Location: YYYY	Location: YYYY	Location: YYYY	Location: YYYY	Location: YYYY
<p>Chen & Wen - News feed algorithms, fake news, and Taiwan's 2018 municipal elections</p> <p>Takemura - Media repertoires of Japanese old users in the digital media environment</p> <p>Lee, Kim & Lim - Special issues have got something? An overview of research trends in Telecommunications Policy special issues</p> <p>Cheng & Mitomo - Effects of news media's reporting of political scandals on public opinion in the age of fake news</p>	<p>Briglauer, Duerr & Gugler - A retrospective study on the benefits and costs of a national high-speed broadband plan: Evidence from the German counties</p> <p>Martins & Wernick - Geographical differences in residential demand for ultrafast broadband internet in 2025</p> <p>Hasbi & Dubus - Determinants of mobile broadband use in developing economies: Evidence from Nigeria</p>	<p>Shin - Socio-technical design of algorithms: Fairness, accountability, and transparency</p> <p>Deshpande - The impact of AI on jobs: Knowns, unknowns, and combinations thereof</p> <p>Garcia-Murillo & MacInnes - The impact of AI on employment: a historical account of its evolution</p>	<p>Nystrom & Gugenishvili - Business opportunities in 5G mobile technology</p> <p>Pearl - Utilizing 5G Infrastructure for Enhanced Transparency in Climate Habits</p> <p>Frias, Mendo & Oughton - Evolving mobile networks towards 5G. A methodology to infer the state of connectivity infrastructure in dense urban areas</p> <p>Jurva & Matinmikko-Blue - Stakeholder analysis for digital campus development with 5G micro operators</p>	<p>Atik - Data portability in digital agriculture sector: A proposal to address a novel challenge</p> <p>Donaire Villa & Gijón - Monitoring performance of legal systems using Big Data</p>
<p>Note: The last speaker in each parallel session is the designated session chair and responsible for keeping the session on time.</p>				

18th June 2019

Parallel Session 4: 09.00 - 10.30

Spectrum	Broadband	Mobile services	5G – regulatory issues	Adopting technologies	Online services
Location: YYYY	Location: YYYY	Location: YYYY	Location: YYYY	Location: YYYY	Location: YYYY
<p>Tripathi, Phillips & Sorell - Bring your own spectrum (BYOS) – A tiered architecture supporting flexible spectrum allocation</p> <p>Castells & Bahia - Spectrum prices and consumer outcomes: a global evaluation of spectrum prices impacts (2010-2017)</p> <p>El-Moghazi - The international radio spectrum management: A regime theory analysis</p>	<p>Tselekounis, Logothetis, Ioannou, Katsianis, Chipouras & Varoutas - Ex post regulation of NGA networks: A roadmap for calculating the cost of an efficient operator – The case of Greece</p> <p>Queder - Infrastructure competition between HFC-networks and FTTx in Europe – An empirical perspective</p> <p>Li & Chen - Critical development factors in infrastructure for the communications industry—based on wholesale leased line services in Taiwan</p>	<p>Reddy, Bielov, Finley, Kilkki, HMITOMO & Hämmäinen - The efficiency of mobile network operators from a data service perspective</p> <p>Genakos & Nicole - Dynamic competition between multiproduct firms: Evidence from the UK mobile telecommunication market</p> <p>Asimakopoulos & Asimakopoulos - Adoption and use of mobile health applications: the role of user engagement</p>	<p>Jochum, Laudan & Vidal - Germany's 5G auction: Four popular misconceptions in a heated debate</p> <p>Basare & Finley - Urban 5G regulation: local licensing versus cooperation</p> <p>Veijalainen & Chao - The emergence of 5G new innovative regulatory tools and techniques to encourage infrastructure investment, universal access, adoption</p>	<p>Bowman, Vitkauskaitė & Varaniute - Evaluating SMEs readiness to transform to IOT-based business models</p> <p>Sadowski & Whalley - Incumbent business model adaptation in response to technological change: The case of ICT companies adapting to Internet of Things (IoT) technologies</p> <p>Badran & Whalley – More mundane than Skynet? AI in healthcare in developing countries</p>	<p>Andres, DeStefano, Niebel & Viète - Cross-country adoption of cloud computing: The role of policy environments and firm-level determinants</p> <p>Jull - Digital advertising and purchasing: Fun or a new type of deception?</p> <p>Sudtasan - Complements and substitutes between chatbots and humans: Corporate perspectives</p>
<p>Note: The last speaker in each parallel session is the designated session chair and responsible for keeping the session on time.</p>					

Parallel Session 5: 11.00 - 12.30

Regulation 1	Zero-rating & OTT	Mobile - Operators	5G - Spectrum	Internet of Things	Online services
Location: YYYY	Location: YYYY	Location: YYYY	Location: YYYY	Location: YYYY	Location: YYYY
<p>Alleman & Baranes - Multi-sided markets & antitrust</p> <p>Haucap - Competition and regulatory policy reforms for digital markets</p> <p>Lehr, Clark, Claffy & Bauer - Regulation when platforms are layered</p>	<p>Hoernig & Monteiro - Zero-rating and network effects</p> <p>Jirakasem & Mitomo - Relationship of Over-The-Top (OTT) communications services and traditional telecommunications: The case of Thailand</p> <p>Park & Kwon - OTT firms as catfish transform the broadcasting industry structure: Analyzing the effects of broadband networks</p>	<p>Liang & Jeanjean - Impact of mobile operators' consolidation on unitary price.</p> <p>Tozer - Assessment of the impact of regulation and convergence on operator strategy and investment: The case of Turkey's telecommunications market</p> <p>Whalley & Curwen - A tale of two continents: The internationalisation of Millicom in Africa and Latin America</p>	<p>Yeon, Kim, Byun & Kim - Spectrum refarming for 5G cellular service: Case of Korea and policy recommendations</p> <p>Lehr & Sicker - Beyond 5G: THz spectrum futures and implications for wireless</p> <p>Matinmikko-Blue, Yrjölä, Ahokangas, Seppänen, Hämmäinen & Jurva - Value of the spectrum for local mobile communication networks: Insights into awarding and pricing the 5G spectrum bands</p>	<p>Benseny - Feasibility of the city-driven neutral host operator</p> <p>Knieps - Internet of Things and the network economics of operator platforms</p> <p>Baum - Airports, a City-As-A-Platform, where IoT technology can mature</p>	<p>Song, Zhang, Qi & Lu - Research on the impact of blockchain-based traceability system on consumers' utility towards agricultural products: Evidence from JD RUNNING CHICK Products</p> <p>Lopez - Building a panel database on household ICT usage in Spain</p> <p>Koguchi & Maeda - What would be the appropriate amount of compensation for information leaks? Estimating the amount that different service providers may be willing to offer</p>
<p>Note: The last speaker in each parallel session is the designated session chair and responsible for keeping the session on time.</p>					

Parallel Session 6: 13.30 – 15.00

Technological entrepreneurship 1	Mobile	Data 2	Panel session – Net neutrality
Location: YYYY	Location: YYYY	Location: YYYY	
<p>Goumagias, Whalley & Cunningham - Do unicorns exist in China? A study of the Chinese technological start-up ecosystem</p> <p>Armū Ña, Ramos, Feijoo & Arenal - Entrepreneurship competences: New skills for a knowledge-based society</p> <p>Diaz, Sanchez & Sanchez - Digital infrastructure and opportunity entrepreneurship</p>	<p>Foros & Kind - A note on "build or buy" incentives for a mobile market entrant</p> <p>Kawaguchi, Kuroda & Sato - Merger analysis in the mobile apps market: Market definition and merger simulation</p> <p>Jain - Role of institutions in transition to market oriented spectrum reforms in emerging economies</p>	<p>Nikander & Elo - Will the data markets necessarily fail?</p> <p>Bounie, Dubus & Waelbroeck - Collecting and selling personal information: the two faces of data brokers</p> <p>Kilki & Hämäläinen – Value of time in the context of communication services</p>	<p>Moderator: Volker Stocker, TU Berlin, Germany</p> <p><i>Speakers</i></p> <p>Georgios Smaragdakis – TU Berlin, Germany</p> <p>Scott Marcus – Bruegel, Belgium</p> <p>Ignacio Castro - Queen Mary University of London, UK</p> <p>Raimo Kantola - Aalto University, Finland</p>
<p>Note: The last speaker in each parallel session is the designated session chair and responsible for keeping the session on time.</p>			

Parallel Session 7: 15.30 – 17.00

Technological entrepreneurship 2	Regulation 2	Mobile broadband	5G	Consumer issues	Online services
Location: YYYY	Location: YYYY	Location: YYYY	Location: YYYY	Location: YYYY	Location: YYYY
<p>Binsfeld & Whalley - Innovation ecosystems in small countries – The case of Luxembourg</p> <p>Ryu & Cho - A health assessment of IOT Ecosystem: Focusing on characteristics of key actors of the ecosystem</p> <p>Arenal, Feijoo, Armuña & Ramos - Technology-based entrepreneurship in the EU: a critical review on the shortcomings of the EU policy agenda</p>	<p>Raizonville & Bourreau - Coopetition in two-sided markets</p> <p>Guven - Self-regulation can be a remedy in the telecommunications sector?</p> <p>Henten & Falch - Symmetric telecom regulation, competition and investment</p>	<p>Sobolewski & Czajkowski - Fixed and mobile broadband substitution revisited. Evidence from massive choice experiment</p> <p>Navío-Marco, Pérez-Leal & Ruiz-Gómez - Analysis of Wifi4EU initiative as an instrument to correct market failures in telecommunication infrastructure deployments in the EU</p> <p>Shinohara - A study of diffusion of innovation: Mobile broadband adoption in developed and developing countries</p>	<p>Bauer & Lehr - Enabling a trustworthy decentralized measurement platform for the 5G future</p> <p>Barua, Matinmikko-Blue & Latva-Aho - On design of contracts between traditional MNOs and local 5G micro operators</p> <p>Saraz & Hämäinen - Radio access network traffic forecast analysis for mobile network operators in anticipation of 5G</p>	<p>Idota, Nakaya & Tsuji - Why consumers commit voluntarily to collaborative innovation with firms by using social media? Case of Japanese consumers</p> <p>Tseng - The digital cable TV pricing mechanism and the consumer preference: The survey in Taiwan</p> <p>Castells, Pedros & Sivakumaran - The mobile tax bill: How mobile is impacted by sector-specific taxes</p>	<p>Fujisawa & Kasuga - Why do cloud providers prefer renting to selling? A supply-side perspective</p> <p>Maciej & Czajkowski - Willingness to pay for navigation apps and willingness to share user location data.</p> <p>Garín-Muñoz, Lopez, Valarezo-Unda, Pérez-Amaral & Herguera - Internet and the gender gap in Spain</p>
<p>Note: The last speaker in each parallel session is the designated session chair and responsible for keeping the session on time.</p>					