



Reining in Digital Platforms? Challenging monopolies, promoting competition and developing regulatory regimes

31st ITS European Conference
Gothenburg, Sweden, 20th – 21st June 2022



CHALMERS
UNIVERSITY OF TECHNOLOGY

Programme Overview, 19th – 21st June

Sunday, June 19		Monday, June 20		Tuesday, June 21	
		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 - 17:30	Parallel sessions 7
18:00 – 20:00	Welcome reception	18:00 – 20:00	Reception, City Hall	17:45 – 22:00	Conference Dinner

20th June 2022

Opening session 09.00 – 10.30

	Location: Vasa A, Vera Sandbergs Allé 8
Opening session	<p>Welcome speeches</p> <p>Mats Lundqvist, Vice President, Chalmers University of Technology Stephen Schmidt, ITS Chair & Vice President, TELUS, Canada</p> <p>Futures of e-Mobility: technologies, Security and Regulation</p> <p><i>Session Moderator: Mats Lundqvist, Vice President, Chalmers University of Technology</i></p> <p>Per M Johnsson, Director, Ericsson Tommy Svensson, Professor, Chalmers University of Technology Maria Massaro, Regulation Specialist, Volvo Group Per Arnäs, Director, Einride To be confirmed, SAAB representative</p>
	Follow the ITS on Twitter (@IntTlcSoc) and LinkedIn (https://www.linkedin.com/company/inttlcsoc) and post about the conference using the hashtag #ITSEurope2022.

Parallel sessions 1: 11.00 – 12.30

5G	Broadband 1	Artificial Intelligence	Covid 1 - apps	Forecasting and the future
<p>Calil, Tinoco & Rodrigues - 5G in Brazil: a comparative analysis of challenges and opportunities in Latin America</p> <p>Laitsou & Katsianis - 5G fixed wireless access for rural broadband</p> <p>Sobolewski & Czajkowski - Fixed and mobile substitution on mature broadband markets. Do we need a new definition of the broadband access market in the advent of 5G?</p>	<p>Ferrandis, Ramos & Feijoo - Deployment of high-speed broadband in rural areas in the EU: Evolution of the investment gap and alternatives to reduce it</p> <p>Guiffard - Broadband Internet and political mobilization in sub-Saharan Africa</p> <p>Mohan & Lyons - High-speed broadband availability, internet activity among older people, quality of life and loneliness</p>	<p>Schauer & Schnurr - Competition between human and artificial intelligence: An experimental analysis</p> <p>Hofmann - Advice vs. delegation: Do humans prefer algorithmic support in bargaining decisions?</p> <p>Gideon - Evaluating algorithmic governance regimes: A game theoretic and empirical analysis</p>	<p>Howell & Potgieter - Smartphone-Based COVID-19 contact tracing apps: Antipodean insights</p> <p>Mitomo, Otsuka & Kamplean - Severity of COVID-19 infection and the adoption of contact-confirming application in Japan</p> <p>Kamplean, Mitomo & Otsuka - Lack of trust and its influence on the installation of the COVID-19 contact-confirming application in Japan</p>	<p>Petre & Varoutas - On the application of machine learning in telecommunications forecasting: A comparison</p> <p>Kanellos, Katsianis & Varoutas - Forecasting a telecommunications provider's market share</p> <p>Sahebali & van der Vorst - The capacity of mobile telecommunications networks in the Netherlands and its future challenges</p>

Parallel sessions 2: 13.30 – 15.00

5G	Broadband 2	Big tech	Privacy and data	Content
<p>Markendahl & Beckman - Can local 5G networks using local spectrum be used as platform for digitalization of industrial systems and services?</p> <p>Jurva, Outila, Matinmikko-Blue & Merisalo - Digital transformation strategies for 5G and beyond based smart transportation systems</p> <p>Zhang & Zhao - How can 5G improve organizational effectiveness? An empirical study based on 5GtoB application cases in China</p>	<p>Aravantinos, Petre, Katsianis & Varoutas - A hedonic approach to estimate the price evolution of FTTH service: evidence from EU</p> <p>Eltges, Wiewiorra & Fourberg - Copper to fibre migration: Regulated access fees incentivising migration</p>	<p>Tyagi - Digitalization of agriculture: Where is the GAFAM?</p> <p>de Barys & Gautier - Acquisitions in the digital economy: Are GAFAM killing the next big thing?</p> <p>Henten & Windekilde - Demand side economies of scope and Big Tech business models</p>	<p>Fast & Schnurr - Data donations for digital contact-tracing: Short- and long-term effects of monetary incentives</p> <p>Maelen - Articles 40-41 GDPR: A new approach to using codes of conduct in EU law</p> <p>Nam & Kwon - Quantifying different psychological costs of user behavioral info for overcoming the 'take-it-or-leave-it' condition</p>	<p>Nicholls - Designing agents in models of online social networks</p> <p>Lin & Li - Investigating the relationship of disguised socialbots and disinformation threat in Taiwan</p> <p>Park & Kim - How do people with physical disabilities want to construct virtual identity with avatars?</p>

Parallel sessions 3: 15.30 – 17.00

Mobile	Content 1	Platforms and ecosystems	Cloud & security	Panel session
<p>Papai, Nagy & McLean - Quality-adjusted price changes on the Hungarian mobile market between 2015-2021</p> <p>Kondo - Analyzing the efficiency of mobile operators in six Asian countries by using DEA and impact of M&A on operational efficiency</p> <p>Savunen, Hammainen & Kilkki - Role of mobile network operators in next generation public safety services</p>	<p>Gideon & Kukura - “Everyone had to be part of this:” Social media and uprising participation decisions</p> <p>Fife & Pereira - Social justice activism in high tech companies: Factors motivating the sustainability of employee protest movements</p> <p>Fujisawa & Kasuga - Differentiation strategy for firms: online ad versus mass media ad</p>	<p>Kraemer, Shekhar & Hofmann - Regulating algorithmic learning in digital platform ecosystems through data sharing and data siloing: Consequences for innovation and welfare</p> <p>Buratti - The "uberisation" of public service</p> <p>Grob & Vidal - Towards a more sustainable Internet: the case for rebalancing the digital ecosystem</p>	<p>Leka - What should economists know about the cloud? A literature review on digital economics</p> <p>Lim & Kim - Why would the users of Google’s cloud services intend to switch to alternative services?</p> <p>Koehler, Dreher & Stocker - IT security in e-government: Outsourcing, collaboration, or do-it-yourself?</p> <p>Falch - Cyber Security and privacy in relation to SMEs</p>	<p>Future of Mobile Regulation and Policy: A Global View</p> <p><i>Moderator: Erik Bohlin, Professor, Chalmers University of Technology</i></p>

TUESDAY 21 June 2022

Parallel sessions 4: 09.00 – 10.30

Spectrum 1	Internet of Things	Blockchain	Covid 2	Platforms 1
<p>Yuguchi - Two decades after the M. Cave's 'Review of Radio Spectrum Management': What has changed and What is still the challenge?</p> <p>Kim, Kim, Jang & Park - Value of spectrum for mobile communications: Case of Korea</p> <p>EI-Moghazi - Radio spectrum re-farming: A change of paradigm</p>	<p>Markendahl - Analysis of IoT services, data platforms and re-use of data and solutions in a smart city context</p> <p>Degrande, Vannieuwenborg, Verbrugge & Colle - Hedging uncertainty in Internet of Things investment project evaluation: A real option approach</p> <p>Harno - Scenarios for the Industry 4.0 ecosystem development</p>	<p>Kshetri - Blockchains with Chinese Characteristics</p> <p>Dalvi & Gadkari - CCI and regulation of digital platforms and blockchain: Will it take a rule of reason; per se or a schizophrenic approach?</p> <p>Castañeda & Feijoo - Blockchain within agri-food international value chains. A comparative analysis from public perspective in the case of Spain</p>	<p>Cheng, Mitomo, Kamplean & Seo - E-health literacy and the voluntary adoption of the new normal in COVID-19: the case of Japan</p> <p>Chahbane - Exposing the digital divide in the time of COVID-19: A comparative study between Moroccan and Slovenian higher education</p> <p>Garín-Muñoz, Pérez-Amaral & Valarezo-Unda - Evolution of the Internet gender gaps in Spain and effects of the Covid-19 pandemic</p>	<p>Papathanassopoulos & Varoutas - On the competition between Video OTTs platforms vs traditional TV: A niche case study in Greece</p> <p>Tantiseranee - Online platform, partisan media and public discussion regarding Covid-19 selective vaccine hesitancy issues in Thailand: Textual network analysis approach</p> <p>Ueda - A conjoint analysis of consumers' attitudes towards digital platforms: A case study in Japan</p>

Parallel sessions 5: 11.00 – 12.30

Spectrum 2	Covid 3	Content	New technologies	ICT and the environment
<p>Phansatarn, Srinuan & Srinuan - Willingness to remain using satellite TV: An implication for refarming 3500 MHz in Thailand</p> <p>Bahia, Butler & Castells - The socio-economic benefits of the 6GHz band: Considering licensed and unlicensed options</p> <p>Liang - Suboptimal mobile spectrum allocation lowers or reverses the traditional gain in consumer surplus from a new MNO entrance</p>	<p>Axenbeck & Breithaupt - Measuring firm-level digitalisation and its impact on economic and social stability during the COVID-19 Crisis – A novel text-mining approach</p> <p>Takao, Nakamura, Nakamura & Goto - An empirical analysis of the impact of the spread of telework on the volume of tourism demand</p> <p>Gijón, Fernández-Bonilla & Whalley - Behind the pandemic: the loopholes of the digital divide</p>	<p>Deshpande, Lechardoy & Villanueva - Towards a comparative and integrative framework for regulatory approaches to online advertising</p> <p>Fourberg, Tas & Wiewiorra - My Browser is not a Billboard: Experimental Evidence on Ad-blocking Adoption and Users' Acquisition of Information</p> <p>Kurata - Who wins the people wins the world</p>	<p>Kim, Lee & Kwon - Does the video assistant referee (VAR) system mitigate referee bias in professional football leagues?</p> <p>Kshetri - International variation in regulations related to initial coin offerings: Preliminary findings and a research agenda</p> <p>Nam & Kim - Why do elderly people feel negative about the use of self-service technology and how do they cope with the negative emotions?</p>	<p>Edquist - How is mobile broadband affecting CO₂ Emissions globally?</p> <p>Kapatamoyo & Mbumwae - ICT in Zambia – Green informatics on strategies and technological innovations</p> <p>Briglaue, Köppl-Turyna & Schwarzbauer - Evaluating effects of ICT core elements on CO₂ emissions: recent evidence from OECD countries</p>

Parallel sessions 6: 13.30 – 15.00

Digital divide	Competition 1	Mobile 1	European Union	Panel
<p>Setthasuravich, Sirikhan & Kato - Spatial econometric analysis of the digital divide in Thailand at the sub-district level: patterns and determinants</p> <p>Vargas-Montoya, Robalion & Madrigal – Digital divide in Costa Rica over the last decade: How does it change and what drives it?</p> <p>Griffin, Lyons, McCoy & Mohan - Early digital exposure and later digital skills: evidence from home and school environments in Ireland</p>	<p>Tang & Howell - Spectrum policy on broadband market to reduce digital divide and promote competition</p> <p>Ida, Kawaguchi, Kuroda & Sato - Multi-product quality competition and bundling: The case of telecommunication industry</p> <p>Yang, Vialle & Whalley - Is disruption the second time around harder to do? The entry of Iliad into the Italian telecommunications market</p>	<p>Földes - Financial and regulatory assessment of mobile network sharing as a trigger of cost efficient 5G rollout in CEE</p> <p>Jeanjean - Infrastructure sharing and co-investment in the telecommunication Industry</p> <p>Gannon - Mangled magic-numbers: 4 to 3 wireless mergers in the US, EU, and Canada</p>	<p>Arcos & Feijóo - An analysis of the content-neutrality approach in European audiovisual market regulation</p> <p>de Rojas, Pita & Martínez - Understanding Spain and Europe in the global digital sector</p>	<p>TBD</p>

Parallel sessions 7: 15.30 – 17.30

Smart	Competition 2	5G	Platforms 2	R&D
<p>Markendahl - Analysis of use of shared data for smart parking services in Sweden</p> <p>Sirikhan - Potentials and challenges of the connected autonomous shared electric vehicle (CASE) from urban geography perspective in southeast Asia mega-urban regions</p> <p>Yan, Hu & Liu - Privacy fatigue of smart speaker users in China: Exploring the affecting factors and privacy coping behaviors</p> <p>Gerli, Navio-Marco & Whalley - The governance of smart villages: exploring alternative models and their relationship with smart cities</p> <p>Lehr - Smart contracts: Myths and implications for economics and financial regulation</p>	<p>Hanspach - Physical Internet infrastructure and competition in digital markets</p> <p>Prado & Bauer - Safeguarding competition in digital markets: A comparative analysis of emerging policy and regulatory regimes</p> <p>Jamison, Ajit & Tecza - Effects of conferring business resource on rivals</p> <p>Carrozzino - Entry deterrence and predatory pricing in wholesale markets: The Cassiopea antitrust case</p>	<p>Castells & Bahia - Investments and mobile network performance in Europe: does market structure matter in the 5G era?</p> <p>Gisca, Matinmikko-Blue, Ahokangas, Yrjölä & Gordon - Legitimacy of emerging business models for local 5G networks: a regulatory challenge</p> <p>Knieps - Internet of Things and the challenges for cross-border network slicing in 5G-based smart networks</p> <p>Hsu - The cooperation and development from the telecommunications and communications industries converging with 5G service in the Taiwan market</p>	<p>Forge - We've been here before – New and old in anti-trust regulation for global web platforms and future regulatory policy</p> <p>Dippon & Hoelle - The economic costs of structural separation, line of business restrictions, and common carrier regulation of online platforms and marketplaces</p> <p>Verstraete - Solid: Enabler of decentralized, digital platforms ecosystems</p> <p>Jamison & Ajit - Effects of mobile platform choice on firm success</p>	<p>Gamarra & Friedl - Ownership concentration and average total costs of standard-essential patent families</p> <p>Li - R&D subsidies and technological progress in the Chinese ICT manufacturing industry</p> <p>Wright, Nagle & Greenstein - Open source software and global entrepreneurship: A virtuous cycle</p> <p>Shigeno, Matsuzaki, Taher & Tsuji - Relationship between innovation and corporate performance in Japanese SMEs by two-stage panel data analysis: Focusing on the joint effect of ICT and R&D</p>