



25TH EUROPEAN REGIONAL INTERNATIONAL TELECOMMUNICATION SOCIETY CONFERENCE

Disruptive innovation in the ICT industries: Challenges for European policy and businesses

Conference Programme
Brussels, 22-25 June 2014

Sponsored by



Programme Overview

Sunday, 22 June 2014		Monday, 23 June 2014		Tuesday, 24 June 2014		Wednesday, 25 June 2014	
		08:30-17:00	Registration				
		09:00-09:30	Opening Session	09:00-10:30	Parallel Sessions 4	09:00-10:30	Parallel Sessions 7
		09:30-11:00	Plenary Session			10:30-11:00	Coffee Break
		11:00-11:30	Coffee Break	10:30-11:00	Coffee Break	11:00-12:00	Parallel Sessions 8
		11:30-12:30	Parallel Sessions 1	11:00-12:30	Panel sessions	12:00-12:30	Closing Session
		12:30-14:00	Lunch	12:30-14:00	Lunch	12:30	Lunch
		14:00-15.30	Parallel Sessions 2	14:00-16:00	Parallel Sessions 5		
		15:30-16:00	Coffee Break	16:00-16:30	Coffee Break		
		16:00-17:30	Parallel Sessions 3	16:30-18:00	Parallel Sessions 6		
18:00-20:00	Welcome Reception: University Foundation (Egmontstraat 11, 1000 Brussels)			19:30	Drinks and Conference Dinner University Foundation (Egmontstraat 11, 1000 Brussels)		

Opening Sessions: Monday, 23 June 09:30 – 11:00

09:00-9:30	Opening Session Prof Erik Bohlin, Chairman, International Telecommunications Society Prof Pieter Ballon, iMinds
09:30-11:00	Plenary Session: Chair – Dr Sven Lindmark, iMinds Tonnie de Koster, DG Connect, European Commission John Porter, CEO and Managing Director, Telenet Richard Hawkins, Professor, Technology and Innovation Policy, the University of Calgary and Co-ordinator, Science, Technology & Society Program

Parallel Sessions: Monday, 23 June 2014.

Parallel Sessions 1: Monday, 11:30 - 12:30				
Leopold	Albert I	Stevin	Marie-Thérèse	Boudewijn
Net neutrality	Telecommunications in practice – country case studies	Prices and quality	Wireless	Operator strategies 1
<p>Shin, Kim, Yoon, Jeong & Lee – A comparative case study of regulatory approaches in the US and Korea</p> <p>Kocsis & Weda - The innovation-enhancing effects of network neutrality</p>	<p>Binsfeld & Whalley – Luxembourg: A bastion of state ownership</p> <p>Herrera-González & García-Arribas - Alternative operators investing in NGNs: A causal analysis of the case in Spain</p> <p>Kwon - Defining a cluster market: The case of the Korean Internet service market</p>	<p>Sobolewski - Entry on a market with switching costs and network effects - evidence from mobile telephony market in Poland</p> <p>Martinez, Widaa & Segall - QoE: A market perspective analysis</p> <p>Haucap, Heimeshoff & Lange - The impact of tariff diversity on broadband diffusion - An empirical analysis</p>	<p>Hong, Nam & Kim - Estimating the potential increase in consumer welfare from the introduction of ‘Super Wi-Fi’ service</p> <p>Ahmed, Markendahl & Ghanbari - The Incentives and challenges of delivering linear broadcasting services over cellular network in developing countries</p>	<p>Cho - Application of Markov chain model to forecast mobile communications market share transition and effect under mobile number portability in South Korea</p> <p>Moshi & Mitomo - Political stability, regulation and investment in the African mobile markets</p>

Parallel Sessions 2: Monday, 14:00 - 15:30				
Boudewijn	Albert I	Stevin	Leopold	Marie-Thérèse
EU regulation	Data	Internet 1 – Access and inclusion	Operator strategies 2	Business models
<p>de Streef & Defraigne - The industrial policy of the telecoms regulators in the European Union</p> <p>Kuchinke & Vidal - Industrial policy, telecoms regulation and market performance in Europe</p> <p>Saric & Lange – Deregulating PSTN voice services? Empirical evidence from the European Union</p> <p>Henten & Falch - The future of telecom regulation – the case of Denmark</p>	<p>Koguchi & Jitsuzumi - The economic value of location data: Conditions for big data secondary markets</p> <p>Viseur - Open data in Wallonia: a Status after the Hackathon eGov Wallonia</p> <p>Cheng, Mitomo & Otsuka - The effect of simultaneous multi-screening on user fragmentation of current affairs knowledge in a highly mediated society</p> <p>Loebbecke & Picot - Big data analytics re-shaping business models and society: Towards a critical research and policy agenda</p>	<p>Salemink & Strijker - Social exclusion and digital exclusion: The case of Dutch gypsy-travellers</p> <p>Chang, Wong & Park - Determinants of user satisfaction in Internet use: On the role of digital access and government policy</p> <p>Anderson, Whalley & Gijón - Internet access amongst the most income deprived people in Glasgow</p>	<p>Vialle & Zhang - An event-based analysis of Huawei’s strategic path and style</p> <p>Witte & Loebbecke - Generic Top-Level-Domains (gTLDs) to enrich a regional telecommunications operator’s business portfolio</p> <p>Bouwmann, Nikou, Carlsson, Carlsson & Walden - Why Nokia failed to nail the Smartphone market</p>	<p>Breuer - Beyond business models: stimulating balanced open data ecosystems</p> <p>Liebenau & Elaluf-Calderwood - Challenges to European Internet business models: Governing a fragmented Internet</p> <p>Limbach - Cooperative service provisioning with OTT players – An explorative analysis of telecommunication business models</p>

Parallel Sessions 3: Monday, 16:00 - 17:30			
Albert I	Stevin	Marie-Thérèse	Boudewijn
Internet of Things	Internet 2 – demand & use	Meet the editors	Panel Session 1 - A disruptive approach to ICT innovation in Europe: the FI-PPP (the Future Internet Public-Private Partnership)
<p>Shin, Koo, Jung & Kim - A socio-technical framework for Internet-of-Things design</p> <p>Kim – Proposed IOT technologies and reference architecture for augmented perception using sense extension device</p> <p>Windekilde, Skouby & Lynggard - The contribution of Artificial Intelligence, Internet of Things and Clouds of Things to smart home and smart city services. The role of innovation</p>	<p>Wauters, Lievens & Valcke - Children as social network actors: legal challenges concerning membership, behaviour and liability</p> <p>Lievens - A children’s rights perspective on the responsibility of social network site providers</p> <p>Srinuan - Demand for Internet access and use of small and medium enterprises (SMEs) in Thailand</p>	<p>Dr Colin Blackman – <i>info</i></p> <p>Prof Erik Bohlin – <i>Telecommunications Policy</i></p> <p>Prof Harry Bouwman – <i>Telematics & Informatics; Mobile Media and Communication</i></p> <p>Dr Brigitte Preissl – <i>Intereconomics; L’Industria</i></p>	<p>Chair: Prof Pieter Ballon</p> <p>Moderator: Cristina Cullel-March</p> <p>Speakers:</p> <p>Peter Fatelnig (European Commission, DG Connect)</p> <p>Mike Butcher (Techcrunch)</p> <p>Dr Thomas Bohnert (Zurich University of Applied Sciences, FI-WARE)</p> <p>Dr Christopher Thuemmler (Napier University, FI-STAR)</p> <p>Dr Oscar Lazaro (Fabulous, Future Internet accelerator)</p>

Parallel Sessions: Tuesday, 24 June 2014.

Parallel Sessions 4: Tuesday, 09:00-10:30				
Boudewijn	Albert I	Stevin	Leopold	Marie-Thérèse
Spectrum 1 – The European Union	Innovation 1	Infrastructure 1	Consumer 1	Regulation 1
<p>Otruba & Lichtenberger - Auction design and recent spectrum auctions in Europe</p> <p>Kubasik - The first ever spectrum auction in Poland - assumptions, expectations, results</p> <p>Massaro & Bohlin - Is Europe moving towards a strategic development of spectrum policy? A review of the Connected Continent legislative proposal</p>	<p>Idota, Ueki, Bunno, Sinohara & Tsuji - Role of ICT in the innovation process based on firm-level evidence from four ASEAN economies: An SEM approach</p> <p>Wahyuningtyas, Graef & Valcke - How Google and others upset competition analysis: disruptive innovation and European competition law</p> <p>Markendahl & Ghanbari - Analysis of regulatory, market and cost structure aspects for deployment of private or shared mobile networks for high quality M2M communications</p>	<p>Molleryd & Markendahl - Is network sharing changing the role of network operators?</p> <p>Ward & Zheng - Mobile telecommunications infrastructure and economic growth: Evidence from China</p> <p>Casier, Verbrugge & Tahon - Optimized synergy in networked infrastructure deployment and maintenance</p> <p>Sutherland - Undersea cables and landing stations: Policy and regulatory issues</p>	<p>Liang - Nested logit based discrete choice model for consumer's demand estimation and regulatory scenarios simulations</p> <p>Knieps & Stocker - A pricing model for the generalized Diffserv architecture - optimal capacity allocation and the instability of the artificial market split</p> <p>Jung & Kwon - Do LTE service customers have different customer loyalty determinants</p> <p>Garín-Muñoz, Pérez-Amaral, Gijón & López - Lessons from post-purchase behaviour of telecommunications consumers in Spain</p>	<p>Klein & Wendel - The impact of local loop unbundling revisited</p> <p>Steingröver, Baldry & Hessler - The rise of OTT players – what is the appropriate regulatory response?</p> <p>Jeanjean & Hounghonon - The relationship between competition and investment in the telecom industry (evidence from the mobile industry)</p> <p>Briglaue, Cambini & Gugler - The impact of sector-specific regulation on the deployment of next generation access communications infrastructure: Evidence from European incumbent and entrant operators</p>

Panel sessions, Tuesday: 11:00-12:30	
Boudewijn	Troon
Panel session 2 – Rethinking ICT Innovation Policy: Lessons from the US, Canada and Europe	Panel session 3 - Techno-Economic Methodologies for evaluating ICT Infrastructures
Chair: Danny Goderis, COO iMinds Moderator: Professor Pieter Ballon Speakers: Professor William Lehr, MIT Professor Richard Hawkins, University of Calgary Dr Thomas Kallstenius, iMinds Dr Martijn Poel, Technopolis Jean-Claude Burgelman, European Commission	Chairs: Sofie Verbrugge and Jan van Ooteghem, IBCN – Ghent University, iMinds Speakers: Dr Wolter Lemstra, TU Delft Professor Claudio Feijoo, UPM Professor Heikki Hammainen, Aalto University Carmen Mass, TUM

Parallel Sessions 5: Tuesday, 14:00-16:00				
Leopold Spectrum 2	Albert I Innovation 2	Stevin Infrastructure 2	Marie-Thérèse Consumers 2	Boudewijn Panel session 4 - Disruptive innovation: Challenges for European business and policy. Some lesson from industry cases
<p>Chataignier, Widaa Ahmed, Teslenko & Markendahl - Regulation development on licensed shared access and TV white spaces</p> <p>Delaere - Media transmission networks as radio spectrum infrastructures – Lessons from infrastructure theory and policy</p> <p>El-Moghazi, Whalley & Irvine - Wireless Access Policy for Electronic Communications Services (WAPECS): Collision between theory and practice</p>	<p>Bashir & Sadowski - ICT as a General Purpose Technology: A survey, a critique and future research directions</p> <p>Bashir, Matzat & Sadowski - The adoption of information and communication technologies in the design sector and their impact on firm performance: Evidence from the Dutch design sector</p> <p>van Ooteghem, Taylor, Grace, Lobillo, Smirnov & Demeester - Sustaining a federation of future Internet experimental facilities</p> <p>Stylianou – Exclusion and sources of technological competition in mobile networks</p>	<p>Tselekounis, Orfanou & Varoutas - Co-existence of copper and fiber unbundling: Access charges and investment incentives</p> <p>van Eijk & Doorenspleet - Fixed (and mobile) broadband deployment in the Netherlands: Success and failure in policy, technology and market</p> <p>Perumal & Walker - Challenges Faced by Communication Providers in Meeting Regulatory Requirements: Analysis of Equivalence of Input and Functional Separation</p> <p>Krämer, Horstmann & Schnurr - A behavioural approach towards NGAN Regulation - Experimental evaluation of regulatory institutions</p>	<p>Svigelj, Hrovatin & Zoric - Household willingness to pay for next-generation access: Evidence from Slovenia</p> <p>Ueda – A consumer adoption model for smart phone – A survey of Japanese younger generation</p> <p>Sadowski - Service bundling and churn of fiber users: Evidence from the Netherlands</p>	<p>Co-chairs: Jean Paul Simon & Dr Arnd Weber</p> <p>Speakers: Professor Patricia Longstaff, Syracuse University Arnaud Saffari, OAK Global Technologies Dr Arnd Weber, Karlsruhe Institute of Technology Professor Claudio Feijoo, Universidad Politecnica de Madrid Giuditta de Prato, IPTS Dr Sven Lindmark, iMinds Enrico Turrin, Federation of European Publishers Pierre Gonzalvez, Digital Games</p>

Parallel Sessions 6: Tuesday, 16:30-18:00			
Albert I	Stevin	Marie-Thérèse	Boudewijn
Spectrum 3	Innovation 3	Infrastructure 3 - Broadband	Online
<p>Massaro & Bohlin - Why you cannot fit a round peg in a square hole: path dependence of radio spectrum policy on digital dividend in Italy and the United Kingdom</p> <p>Papai, Nagy & Csorba - What we can learn from the benchmarking analysis 800 MHz auction results?</p> <p>Bourna & Mitomo - Spectrum policy and innovation: A Japanese perspective</p> <p>Fife, Bohlin & Tar Min - Myanmar national spectrum management policy: Is it best practice?</p>	<p>Giovannetti & Piga - Innovation spillovers in the UK: Complements or substitutes for the introduction of new technologies?</p> <p>Vannieuwenborg, Van der Auwermeulen, Ooteghem, Jacobs, Verbrugge, Colle & Pickavet - Smart home care platforms: where is the added value?</p>	<p>Oviedo & Hidalgo - The impact of broadband quality standards on Internet services market structure in Colombia</p> <p>Rendon Schneir & Yupeng - Fixed broadband solutions for rural areas: a techno-economic analysis</p> <p>Kongaut & Bohlin – The impact of broadband speed on economic outputs: An empirical study of OECD countries</p> <p>Gijón, Anderson & Whalley - The broadband speed gap in Glasgow</p>	<p>van der Graaf & Vanobberghen - The Life and Times of Online Trust</p> <p>Gonçalves, Evens, Alves & Ballon - Power and control strategies in online video services</p> <p>Buchinger, Spek, Ranaivoson & Lindmark - Towards a typology for B2B application platforms</p> <p>Sutherland - Internet governance: Gambling on the periphery</p>

Parallel Sessions: Wednesday, 25 June 2014.

Parallel Sessions 7: Wednesday, 09:00- 10:30			
Albert I	Stevin	Marie-Thérèse	Boudewijn
Internet 3	Regulation 2	Consumer 3	Applications
<p>Gallino & Leporelli - Competition and regulation of platforms: different flavors of “bias” in search engines and other essential facilities; issues of prominence on digital platforms</p> <p>Roex & Silva - Zombie alert: assessing legitimacy of P2P botnet mitigation techniques</p> <p>Domingo & Oliver - Impact of users’ aggregation on broadband economics</p>	<p>Ghanbari, Laya & Markendahl - Regulations for and against cooperation in mobile networks - How could regulations stimulate co-opetition by supporting sharing?</p> <p>Zaber & Garcia-murillo - Who will kill the Golden Goose? The state of the regulatory preparedness at the advent of Internet based telephony</p> <p>Mizuno & Matsushima - Competition for access provision: infrastructure upgrades with spillovers</p> <p>Gerli & Pontarollo - Catch me if you can: the interplay between the incumbent and the regulator in the Italian telecommunications market</p>	<p>Kim - Policy of the media platform industry: An analysis of pricing policies of Internet media with the two sided market theory</p> <p>Jang & Kwon - Growing use of three-part tariffs by MNOs: Understanding incentives of MNOs</p> <p>Shinohara, Morikawa & Tsuji - Panel Data Analysis of the Factors of Mobile Broadband Adoption in Major Six Countries: Focusing on Smartphone</p>	<p>Walravens - A critical exploration of the brussels app economy and mobile city services scene</p> <p>Kuebel & Zarnekow - The role of telecommunication operators on smart home service platforms</p> <p>Apanasevic - Mobile payments: Main trends in retail industry</p> <p>De Reuver & Bouwmann - Preferences in data usage and the relation to the use of mobile applications</p>

Parallel Sessions 8: Wednesday, 11:00-12:00		
Stevin	Marie-Thérèse	Boudewijn
Wireless technologies	TV	Emergency services
<p>Park, Kim & Nam - Why has a home grown technology failed: A case study on WiBro in the Korean telecommunication market</p> <p>Oliver & Lehr – Small cells and the mobile broadband ecosystem</p> <p>Khan - Virtualized EPC: Unleashing the potential of NFV and SDN</p>	<p>Evens - Clash of TV platforms: how broadcasters and distributors build platform leadership</p> <p>Park & Kim - The factors influencing the non-usage of smart TV services by Korean buyers</p>	<p>Maldonado, van Gorp & Pogrebnyakov - A friend in need: Emergency responders' social media use and the effects on response practices</p> <p>van Gorp & de Vries - Preventing and managing disasters during public events: The collaborative development of an ICT ecosystem</p>

Closing session: Wednesday 12:00-12:30	
Troon	
12:00-12.30	<p>Presentation - Rio Biennial International Telecommunications Society conference</p> <p>Mr Mejias, TIM Brasil</p> <p>Closing Remarks</p> <p>Sven Lindmark, iMinds Brigitte Preissl, International Telecommunications Society Jason Whalley, International Telecommunications Society</p>