2015 Conference of Telecommunication, Media and Internet Techno-Economics (CTTE 2015)

Munich, Germany
9 – 10 November 2015
# TABLE OF CONTENTS

Comparative Analysis of Protection Schemes for Fixed Mobile: Converged Access Networks based on Hybrid PON ................................. 1  
A. Shahid, C. Machuca, L. Wosinska, J. Chen

Intelligent Transportation Systems: Techno-Economic Comparison of Dedicated UHF, DSRC, Wi-Fi and LTE Access Networks: Case Study of St. Petersburg, Russia ........................................... 8  
V. Grigoryev, I. Khvorov, Y. Raspaev, E. Grigoreva

Value Networks Of Embedded SIM-Based Remote Subscription Management ............................................ 16  
A. Vesselkov, H. Hammainen, P. Itkalainen

Technoeconomic Analysis of PON architectures for FTTH Deployments: Comparison Between GPON, XGPON And NG-PON2 For A Greenfield Operator .................................................. 23  
T. Rokkas

Side Payments as Barriers to Entry in Non-Neutral Networks ........................................................................... 31  
B. Tuffin

Towards Faster Techno-Economic Evaluation Of Network Scenarios Via A Modular Network Equipment Database ............................................ 38  
B. Naudts, S. Verbrugge, D. Colle

Techno-Economic Analysis of Multiservice Networks: Cost Allocation to Services: A Study for Flex-grid Optical Networks .................................................. 46  
R. Reyes, M. Ejaz, T. Bauschert

Life-Cycle Cost Modelling For NFV/SDN Based Mobile Networks ........................................................................... 54  
T. Knoll

Cost Optimal Positioning of Hybrid Access Multi-Path Entities ........................................................................... 62  
T. Monath, U. Menne, C. Raack

Does Win-Win Situation Exist in a Monopolistic Cable Television Service Market by Adding a Price-Channel-Downscaled Package? .................................................................................. 70  
C. Lin, C. Liu, S. Chang, M. Chen

Spectrum Concentration and Market Competition. Implications for the Use of Caps in Mexico ............................................ 77  
O. Berglind

Study on Structure and Performance of Telecommunication Services Industry in Indonesia ............................................ 85  
N. Wulansari, R. Rismayani, Y. Pramudiana

The Role Of Public Initiatives Facilitating Investments In Broadband Infrastructures: A Comparative Study of Developments in Denmark and Sweden ............................................ 93  
M. Falch, A. Henten, R. Tadayoni, I. Williams

The Efficiency And Effectiveness Of A Mixed Public-Private Broadband Deployment: The Case Of New Zealand’s Ultra Fast Broadband Deployment ............................................ 98  
M. Wee, F. Beltran

Generic Techno-economic Evaluation Methodology: The Case of Migration to Flexible Grid Networks ............................................ 106  
A. Leiva, A. Beghelli, C. Machuca, R. Olivares, M. Saavedra, R. Ahumada

Technoeconomic Analysis of PANDA FTTC Architecture: Cost Comparison to Metro Ethernet and TWDM NGPON-2 Architectures .................................................. 114  
I. Neokosmidis, T. Rokkas, P. Dimos, G. Heliotis, D. Klonidis, I. Tomkos

Topology Optimization of IP and WDM Transport Networks with Respect to Content Delivery Functions ........................................................................... 122  
M. Jager, C. Behrens, R. Hubermaenn, C. Raack

Centralised versus Distributed Radio Access Networks: Wireless integration into Long Reach Passive Optical Networks ........................................................................... 129  
C. Raack, J. Garcia, R. Wessaly

Cost Evaluation of Small Cell Backhaul Architectures ........................................................................... 137  
D. Breuer, S. Krauff, F. Geilhardt, E. Weis, J. Belschner

On Economics Of Internet Service Provision And Content Services: Peering And Service Differentiation ........................................................................... 142  
A. Gaivoronski, P. Nesse, O. Erdal, F. Johansen

Author Index