

# **2016 Symposium on Communications and Vehicular Technologies (SCVT 2016)**

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# 2016 IEEE Symposium on Communications and Vehicular Technology in the Benelux (SCVT)

## Oral session: Lower Layer Aspects I

1. *MMSE equalization of multi-Gb/s chip-to-chip interconnects with M-PAM signaling affected by manufacturing tolerances*, Jelle Bailleul, Lennert Jacobs, Paolo Manfredi, Dries Vande Ginste and Marc Moeneclaey
2. *Chirp Spread Spectrum as a Modulation Technique for Long Range Communication*, Brecht Reynders and Sofie Pollin
3. *Performance Comparison of Short-Length Error-Correcting Codes*, Johannes Van Wonteghem, Amira Alloum, Joseph J. Boutros and Marc Moeneclaey

## Keynote I

- *Constructive Interference - Back to the Drawing Board*, Koen Langendoen (TU Delft, The Netherlands)

## Poster session

1. *Comparative study of EM-MAC and TSCH/Orchestra for IoT*, Carlos M. Garca Algora, Ernesto Prieto Lpez, Vitalio Alfonso Reguera, Ann Now and Kris Steenhaut
2. *Model of extra power in the transmitter for high-speed visible light communication*, Xiong Deng and Jean-Paul M. G. Linnartz
3. *Design Consideration of 60 GHz Low Power Low-noise Amplifier in 65 nm CMOS*, Zhe Chen, Hao Gao, Dusan Milosevic and Peter G.M. Baltus
4. *Downlink Free Space Loss Compensation through Receiver Bandwidth Selectivity at LEO Satellite Ground Stations* Bexhet Kamo, Shkelzen Cakaj and Elson Agastra
5. *A 60 GHz Phased Array System Evaluation Based on A 5-bit Phase Shifter in CMOS technology*, Bindi Wang, Hao Gao, Kuangyuan Ying, Marion K. Matters-Kammerer and Peter Baltus

6. *Performance limit of ITU-T G.9903 PLC communication impaired by impulsive noise*, Aurlien Van Laere, Sbastien Bette and Vronique Moeyaert

## **Oral session: Higher Layer Aspects**

1. *WiFi Ad-Hoc Mesh Network and MAC Protocol Solution for UWB Indoor Localization Systems*, Matteo Ridolfi, Samuel Van de Velde, Heidi Steendam and Eli De Poorter
2. *Support for IEEE 802.15.4 Ultra Wideband Communications in the Contiki Operating System*, Maximilien Charlier, Bruno Quoitin, Sbastien Bette and Jens Eliasson
3. *Wi-Fi helping out Bluetooth Smart for an improved home automation user experience*, J. Rossey, Ingrid Moerman, Piet Demeester and Jeroen Hoebeke
4. *Providing Scalable Bandwidth Guarantees with OpenFlow*, Hedi Krishna, Niels van Adrichem and Fernando Kuipers

## **Keynote II**

- *Bluetooth Inside*, Jaap Haartsen (Plantronics, The Netherlands)

## **Oral session: Lower Layer Aspects II**

1. *Resource allocation for BIC-UFMC and BIC-OFDM wireless communications taking CFO into account*, E. Debels, P. Del Fiorentino, C. Vitiello, J. Van Hecke, F. Giannetti, M. Luise, V. Lottici and M. Moeneclaey
2. *Narrowband RF distance measurement using phase locked FM transmitters*, J.C. Haartsen, A. Stek, F.N.M. Hooijschuur and T. Hulshof
3. *Semi-analytical evaluation of concatenated RS-LDPC coding performance with impulsive noise*, Adriaan Suls, Julie Neckebroek, Yannick Lefevre, Mamoun Guenach, Marc Moeneclaey