



Room C (Lotus Hall 3)

Session Title [WeC1] Future Access Technologies

Session Chairs Kazutaka Hara (NTT, Japan), An Tran (NICTA, Australia)

Date July 14, 2010 (Wednesday)

Time 09:00-10:45

WeC1-1 09:00-09:30 **[Invited] What is the Role of DSP in Future Optical Access?**
Ezra Ip, Neda Cvijetic, Dayou Qian, and Ting Wang (NEC Lab., USA)

WeC1-2 09:30-10:00 **[Invited] Photonic In-Building Networks - Architectures and Advanced Techniques**
A. M. J. Koonen, H. P. A. van den Boom, H.-D. Jung, H. Yang (Eindhoven Univ. of Tech., The Netherlands), E. Ortego Martinez (Telefonica I+D, Spain), P. Guignard (France Telecom R&D, France), and E. Tangdiongga (Eindhoven Univ. of Tech., The Netherlands)

WeC1-3 10:00-10:15 **High Extinction Ratio Phase Re-modulation for 10-Gb/s WDM-PON with Enhanced Tolerance to Rayleigh Noise**
Jing Xu, Lian-Kuan Chen, and Chun-Kit Chan (The Chinese Univ. of Hong Kong, China)

WeC1-4 10:15-10:30 **Feasibility of Employing OCDMA on Passive Optical Network**
Rachata Maneeekut and Pasu Kaewplung (Chulalongkorn Univ., Thailand)

WeC1-5 10:30-10:45 **Experimental Demonstration of Optical Concatenated Coding Enabling Channel Grouping on OCDM Networks**
Masanori Hanawa, Yasuhiro Okamura, Shohei Nozaki, and Kenta Hosoya (Univ. of Yamanashi, Japan)