Conference Record Volume 1 of 10
SESSION G25: TRAFFIC AND COMMUNICATION ARCHITECTURES
Organizer: Pascal Lorenz, University of Haute Alsace, France
Chair: Mohammad Ilyas, Florida Atlantic University, USA; Siamak Dastangoo, Onex Communications Corporation, USA

G25.1 A TRADEOFF BETWEEN INCREASED NETWORK SPEED AND REDUCED EFFECTIVE BANDWIDTHS.
Timothy Neame, Moshe Zukerman, Univ. of Melbourne, Australia; Ronald Addie, Univ. of Southern Queensland, Australia

G25.2 EFFECTIVE SWITCHING SCHEDULING ALGORITHM USING CONCATENATED DATA BLOCKS TO REDUCE GUARD TIME FOR OPT-ELECTRONIC PACKET SWITCH.
Takashi Kurimoto, Eiji Oki, Kohei Nakai, Naoki Yamanaka, NTT, Japan

G25.3 AVERAGE SIGNAL-TO-INTERFERENCE-PLUS-NOISE RATIO OF A GENERALIZED OPTIMUM SELECTION COMBINER FOR NON-IDENTICAL INDEPENDENT RAYLEIGH FADING CHANNELS IN THE PRESENCE OF CO-CHANNEL INTERFERENCE.
Ning Kong, 3G Cellular Inc, USA

G25.4 RESOURCE OPTIMIZATION FOR CARRIER-SCALE PROGRAMMABLE NETWORKS.
Farzad Safaii, Iradj Ouveysi, Rob Pattie, Telstra Research Labs, Australia; Moshe Zukerman, Univ. of Melbourne, Australia

G25.5 THE INFLUENCE OF LONG-RANGE DEPENDENCE ON TRAFFIC PREDICTION.
Sven Östring, Harsha Sirisena, Univ. of Canterbury, New Zealand

G25.6 PERFORMANCE ANALYSIS OF IP DATAGRAM TRANSMISSION DELAY IN MPLS:
IMPACT OF BOTH THE NUMBER AND THE BANDWIDTH OF LSPS OF LAYER 2.
Shogo Nakazawa, Hitomi Tamura, Kenji Kawahara, Yuji Oie, Kyushu Inst. of Tech., Japan

G25.7 STATISTICAL ANALYSIS OF MULTIPATH FADING CHANNELS USING SHOT-NOISE ANALYSIS: AN INTRODUCTION.
Charalampos D. Charalambous, Ognian H. Kabranov, Dimitrios Makrakis, Univ. of Ottawa, Canada; Nickie Menemenlis, IREQ, Canada

G25.8 DESIGN OF CARRIER RECOVERY ALGORITHM FOR HIGH-ORDER QAM WITH LARGE FREQUENCY ACQUISITION RANGE.
Ki Yun Kim, Hyung Jin Choi, SungKyunKwan Univ., Korea

SESSION G26: ADVANCED SIGNAL PROCESSING FOR MULTIMEDIA
Organizer: Jorma Lilleberg, Nokia, Finland; Markku Juntti, University of Oulu, Finland
Chair: Jorma Lilleberg, Nokia, Finland

G26.1 SIGNAL PROCESSING SCHEMES FOR POWER/BANDWIDTH EFFICIENT OFDM TRANSMISSION WITH CONVENTIONAL OR LINC TRANSMITTER STRUCTURES.
Rui Dinis, Antonio Gusmão, CAPS-IST, Portugal

G26.2 MULTI-RATE MODULATION SCHEME WITH CONTROLLED PEAK-TO-AVERAGE POWER RATIO USING BALANCED INCOMPLETE BLOCK DESIGNS.
David Harvatin, Rodger Ziemer, UCCS, USA

G26.3 PROPORTIONAL UNEQUAL ERROR PROTECTION FOR MPEG-4 VIDEO TRANSMISSION.
Maria Giuseppina Martini, Marco Chiari, Univ. of Bologna, Italy

G26.4 STREAMING OF MULTIMEDIA WITH REDUCED START-UP DELAY.
Vijitha Weerackody, Gerald Schuller, Bell Laboratories, USA; Hui-Ling Lou, Agere Systems, USA

G26.5 THE TALE OF A SIMPLE ACCURATE MPEG VIDEO TRAFFIC MODEL.
Hai Liu, Globspan Inc., USA; Nirwan Ansari, ECE, Yun Q. Shi, ECE, New Jersey Institute of Technology, USA

G26.6 SPEECH RECOGNITION FOR WIRELESS APPLICATIONS.
Vijitha Weerackody, Agere Systems, USA; Wolfgang Reichl, Alexandros Potamianos, Lucent, USA

G26.7 PARALLEL DAF MEASUREMENT DEVICE (PDMD) FOR NON-INTRUSIVE WHITENING OF SPEECH.
Wai Pang Ng, Jaafar M.H. Elmirghani, Univ. of Wales Swansea, UK; Simon Broom, BT Labs, UK