SESSION MI33: MOBILE DATA NETWORK
Organizer: Kaveh Pahlavan, WPI, CWINS; Jacques Beneat, WPI, CWINS
Chair: Rajamani Ganesh, Verizon Technology Organization

MI33.1 MEASURED PERFORMANCE OF GSM HSCSD AND GPRS
Jouni Korhonen, Olli Aalto, Andrei Guvligera, Sonera Corp., Finland

MI33.2 TWO-STAGE DYNAMIC UPLINK CHANNEL ASSIGNMENT FOR GPRS
Ying-Dar Lin, Yu-Ching Hsu, Mei-Yan Chiang, National Chiao Tung Univ., Taiwan

MI33.3 MOBILE MULTICAST WITH ROUTING OPTIMIZATION FOR RECIPIENT MOBILITY
Jiunn-Ru Lai, Wanjiun Liao, Ming-Yu Jiang, Chien-An Ke, National Taiwan Univ., Taiwan

MI33.4 A WIRELESS NETWORK SERVICE PROVIDING WIRELESS CHANNEL INFORMATION FOR ADAPTIVE MOBILE APPLICATIONS, PART I: PROPOSAL
Byoung-jo "J" Kim, AT&T Labs - Research, USA

MI33.5 PERMISSIBLE THROUGHPUT NETWORK FEEDBACK FOR ADAPTIVE MULTIMEDIA IN AQDVMANETS
Manthos Kazantzidis, Mario Gerla, UCLA, USA; S J Lee, Hewlett-Packard Laboratories, USA

MI33.6 A SELF-ORGANIZING APPROACH TO DATA FORWARDING IN LARGE-SCALE SENSOR NETWORKS
Jelena Mirkovic, UCLA, USA; Geetha Priya Venkataramani, UCLA, USA; Songwu Lu, UCLA, USA; Lixia Zhang, UCLA, USA

MI33.7 INTEGRATED RATE AND ERROR CONTROL IN VARIABLE SPREADING GAIN WCDMA SYSTEMS
Dong Kim, Univ. of Seoul, Korea; Ekram Hossain, Univ. of Manitoba, Canada; Vijay Bhargava, Univ. of Victoria, Canada

MI33.8 HANDOFF OF APPLICATION SESSIONS ACROSS TIME AND SPACE
Thomas Phan, Kaixin Xu, Richard Guy, Rajive Bagrodia, UCLA, USA

MI33.9 SYSTEMS ENGINEERING OF DATA SERVICES IN UMTS W-CDMA SYSTEMS
Kourosh Parsa, Golden Bridge Tech., USA; Saeed S. Ghassemzadeh, AT&T Labs, USA; Saied Kazeminejad, SBC Tech. Resources, USA

SESSION G34: RADIO RESOURCE MANAGEMENT
Organizer: Marco Chiani, University of Bologna, Italy
Chair: Roberto Verdone, CSITE-CNR, University of Bologna, Italy

G34.1 TIME SLOT ASSIGNMENT USING CELL PARTITIONING IN CDMA CELLULAR SYSTEMS
Kohji Takeo, YRP Key Tech Research Laboratories, Japan

G34.2 AUTONOMOUS CALL ADMISSION CONTROL WITH PRIORITIZED HANDOFF IN CELLULAR NETWORKS
El-Sayed El-Aify, Yu-Dong Yao, Harry Heffes, Stevens Inst. of Technology, USA

G34.3 AN ADAPTIVE M-QAM MODULATOR FOR FIXED WIRELESS ATM NETWORKS
Abbas Mohammadi, AmirKabir Univ. (Tehran Polytechnic), Iran; Surinder Kumar, WaveCom Electronics Inc., Canada

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Katsumi Sakakibara, Tomohiro Katagiri, Hirokazu Suyama, Jiro Yamakita, Okayama Prefectural Univ., Japan

G34.5 CARRIER ASSIGNMENT ALGORITHMS IN WIRELESS BROADBAND NETWORKS WITH CHANNEL ADAPTATION
Iordanis Koutsopoulos, Leonidas Tassiulas, Univ. of Maryland at College Park, USA

G34.6 RESOURCE ALLOCATION AND SCHEDULING SCHEMES FOR WCDMA DOWNLINKS
Rath Vannithamby, Elvino Sousa, Univ. of Toronto, Canada

G34.7 PERFORMANCE OF 1XTREME SYSTEM FOR MIXED VOICE AND DATA
Petteri Luukkanen, Zhigang Rong, Lin Ma, Nokia Research Center, USA

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Organizer: Kari-Pekka Estola, Nokia, Finland
Chair: Matti Latvaho, University of Oulu, Finland

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Peter Darwood, Paul Alexander, Ian Oppermann, Southern Port Communications, Australia

G35.2 AN ADAPTIVE RECEIVER FOR DYNAMIC TRAFFIC DS/CDMA PACKET TRANSMISSION
Zihua Guo, Ben Letaief, Khaled, Hong Kong Univ. of Science & Technology, Hong Kong

G35.3 BLIND MULTUSER DETECTOR FOR DS/CDMA CHANNELS BASED ON THE MODIFIED STOCHASTIC GRADIENT DESCENT ALGORITHM
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G35.4 JOINT ESTIMATION OF TIME DELAYS AND DOA'S FOR DS-CDMA SYSTEM OVER MULTIPATH RAYLEIGH FADING CHANNELS
Kun Wang, New Jersey Inst. of Technology, USA; Hongya Ge, New Jersey Inst. of Technology, USA

G35.5 ADAPTIVE BEAMFORMING AND POWER CONTROL FOR DS-CDMA MOBILE RADIO COMMUNICATIONS
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G35.6 PERFORMANCE ANALYSIS OF FORWARD LINK DS-CDMA SYSTEMS USING RANDOM AND ORTHOGONAL SPREADING SEQUENCES
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G35.7 PULL-IN CAPABILITY OF A MODIFIED CODE TRACKING LOOP FOR DIRECT-SEQUENCE SPREAD-SPECTRUM COMMUNICATION ON A FREQUENCY-SELECTIVE FADING CHANNEL
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G35.8 INTERFERENCE FREE DECISION FEEDBACK CHANNEL ESTIMATION TECHNIQUE FOR M-ARY ORTHOGONAL DS/CDMA SYSTEMS
Suk-Hyon Yoon, Dae-Ki Hong, Daesik Hong, Chang-Eon Kang, Yonsei Univ., Korea

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Organizer: Yumin Lee, National Taiwan University, Taiwan
Chair: Chin-Liang Wang, National Tsing-Hua University, Taiwan

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Luc Deneire, Patrick Vandenameele, Liesbet van der Perre, Marc Engels, Bert Gyselinckx, IMEC, Belgium

G36.2 DS-CDMA RECEIVERS BASED ON CANONICAL CHANNEL REPRESENTATION
Jan Erik Håkégård, SINTEF Telecom and Informatics, Norway

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Vijay Jain, University of South Florida, USA

G36.4 PEAK TO MEAN ENVELOPE POWER RATIO OF OVERSAMPLED OFDM SIGNALS: AN ANALYTICAL APPROACH
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Romeo Schur, Joachim Speidel, Univ. of Stuttgart, Germany

G36.6 IMPLEMENTATION AND FIELD TRIAL RESULTS OF A FAST FREQUENCY HOPPED FSK TESTBED FOR WIRELESS COMMUNICATIONS
Hanli Zou, UCLA, USA; Sumit Mohan, Qualcomm, USA; Danijela Cabric, Babak Daneshrad, UCLA, USA

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Chan Soo Hwang, Samsung Advanced Inst. of Technology, Korea

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Shuichi Ohno, Shimane Univ., Japan; Georgios Giannakis, Univ. of Minnesota, USA
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Organizer: Jose Marcos Nogueira, Federal Univ. of Minas Gerais, Brazil
Chair: Veli Sahin, Marconi Communications, USA; Jose Marcos Nogueira, Federal Univ. of Minas Gerais, Brazil

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Organizer: Horst Besier, Deutsche Telekom/T-NOVA, Germany; G.S. Kuo, National Chengchi University, Taiwan
Chair: Nikola Rozic, University of Split, Croatia; Richard Vickers, Nortel Networks, USA

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Xiaolin Zhang, Jieyi Wu, Southeast University, China

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Organizer: Tak Kamae, Labs. of Image Science & Tech, Japan
Chair: Ryoichi Komiya, Multimedia University, Malaysia

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G39a.3 PROVIDING SCALABLE ON-DEMAND INTERACTIVE VIDEO SERVICE BY MEANS OF MULTICASTING AND CLIENT BUFFERING
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Organizer: Cengiz Akgun, Telcordia, USA
Chair: Barcin Kozbe, Ericsson Inc, USA

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Gautam Rao, Cisco Systems, USA; Byrav Ramamurthy, UNL, USA