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**CHAIRPERSON:** J Chuang,  
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**ORGANIZER:** Paul Lemson  
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**CHAIRPERSON:** Mary Sander,  
US West Communications,  
USA

**ORGANIZER:** Robert E. Tench  
**SPONSOR:** Optical Communications, Transmission and Access Networks

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USA

ORGANIZER: Iwao Sasase

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ORGANIZER: Alexander Gelman

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ORGANIZER: Paul Lemson

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ORGANIZER : David B Waechter, Guy Omidyar  
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**ORGANIZER:** Patrick Dowd, W.K. Loh  
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**CHAIRPERSON:** Raymond L Pickholtz, The George Washington University, USA  
**ORGANIZER:** Guy Omidyar  
**SPONSOR:** Communications Systems Integration and Modeling

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USA

ORGANIZER: Guy Omidyar, T.C. Wong

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USA

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N-F Huang and C-C Chiou, National Tsing Hua University, Taiwan; G-K Ma and C-S Wu, ITRI, Taiwan .......... 739
SESSION 22

Propagation & EMC Modeling & Measurements for Personal Communications Radio Systems

CHAIRPERSON : M Umehira,
NTT,
Japan

ORGANIZER : Paul Lemson
SPONSOR : Radio Communications

22.1 Modelling and simulation of an indoor radio channel at 20 GHz
Oppermann, J Graham and B S Vucetic, University of Sydney, Australia

22.2 Analysis and applications of short-distance site diversity techniques for 20/30 GHz communication links
Bosisio, C Capsoni and A Paraboni, Politecnico di Milano, Italy; G E Corazza and F Vatalaro,
Università di Roma (Tor Vegata), Italy; E Vassallo, European Space Agency, Germany

22.3 Propagation measurements at 28 GHz to investigate the performance of local multipoint distribution service (LMDS)
S Y Siedel and H W Arnold, Bellcore, USA

22.4 Measurements of microcellular propagation loss at 6 GHz and 2 GHz over non-line-of-sights paths in the city of Boston
Rustak Jr, E Verceg, R S Roman, T M Willis and J Ling, AT&T Bell Labs, USA

22.5 Electromagnetic compatibility of wireless devices: a preliminary investigation
M Hoque and R Bauerle, Bellcore, USA

22.6 A realistic emission analysis for a wireless handset coupled with a human body using FDTD
K Bauerle and M Hoque, Bellcore, USA

SESSION 23

Multimedia Information Retrieval Systems

CHAIRPERSON : Alexander Gelman,
Bellcore,
USA

ORGANIZER : Alexander Gelman
SPONSOR : Multimedia Communications

23.1 AMICS: ATM-based integrated platform for multimedia services
T Ishihara, J Tanaka and H Yamashita, Fujitsu Labs Ltd, Japan

23.2 Performance of integrated services on a high speed multimedia network
Y H Wang, L K Chen and K W Cheung, The Chinese University of Hong Kong, Hong Kong

23.3 Media synchronization method for motion video based on buffer control
K Yamaoka, T Yoshida, Y Sakai and A Ichikawa, Tokyo Institute of Technology, Japan

23.4 A feedback approach for jitter and skew enforcement in multimedia retrieval services
A La Corte, A Lombardo, S Palazzo and G Schembra, University of Catania, Italy

23.5 High performance VOD server AIMS
K Nishikawa, H Egawa, O Kawai and Y Inamoto, Fujitsu Labs Ltd, Japan

23.6 Essential Factors for full-interactive VOD server: Video file system, disk scheduling, network
M Asai, K Shibata, M Igawa, Y Kim, M Sato and Y Takiyasu, Hitachi Ltd., Japan

23.7 Performance of video storage hierarchy in interactive video services networks
G Bianchi, R Melen and A Rainoni, Politecnico di Milano, Italy

23.8 Performance measurement of a stored media synchronization mechanism: quick recovery scheme
Y Ishibashi, S Tasaka and E Minami, Nagoya Institute of Technology, Japan