

<b>IEEE International Symposium on Broadband Multimedia Systems and Broadcasting</b>			
<b>Preliminary Program</b>			
<b>(Subject to Change)</b>			
<b>Wednesday, 28 March 2007</b>			
<b>Room: W102a&amp;b</b>			
<b>Continental Breakfast</b>	<b>8:20 - 8:50 am</b>		
<b>Plenary session 1</b>	<b>8:50 - 10:05 am</b>		
	Opening Remarks	Tom Gurley/Brett Jenkins	Symposium Chairs
	From IPTV to IP Multimedia...the Next Generation of Communications and Entertainment	Nash Parker	Director, Strategic Alliances in Alcatel-Lucent
	Experience in the Deployment of Mobile TV & IPTV Technologies	Jean Macher	Director of Product Management for Video Network Solutions, Grass Valley/Thomson
<b>Coffee Break</b>	<b>9:50 - 10:05 am</b>		
<b>AM: Mobile TV 1</b>	<b>10:20 - 12:00 noon</b>		
	Session Chair	Peter Siebert	Siemens AG
	The Development of an Emergency Alert System for National Disasters Utilizing Mobile Multimedia Devices	Carolyn Taylor	Motorola Mobile Devices Business
	Field Test Results for the FLO™ Physical Layer	Ashok Mantravadi	Qualcomm Incorporated
	Dynamic Modular Application Middleware for Mobile Broadcast Devices	Philipp Steckel	Braunschweig Technical University
	Solution for Application and Transport Layer Inconsistency during Adaptive Multimedia Streaming	Edward Casey	Dublin City University
<b>Keynote Luncheon Room W105 a&amp;b</b>	<b>12:00 - 2:00 pm</b>		
		Kay Johansson	Chief Technology Officer, MobiTV
<b>PM: IPTV 1</b>	<b>2:00 - 3:40 pm</b>		
	Session Chair	David C. Gibbon	AT&T Labs
	ITU-IPTV Focus Group - A Status Report	Wei Li	Communications Research Centre CA
	Wireless IPTV Development Platform	Jukka-Pekka Laulajainen	VTT Technical Research Centre of Finland
	Ensuring QoS and QoE in IPTV Service Delivery	Vandana Upadhyay	Co-Chair, QoS Metrics Task Force, ATIS IPTV Interoperability Forum
	Oma Bcast as Enabler for a Horizontal IPTV Architecture and Fixed-Mobile Convergence	Harald Fuchs	Fraunhofer IIS
<b>Coffee Break</b>	<b>3:40 - 4:00 pm</b>		
<b>Room: W101b</b>			
<b>AM: Content Protection &amp; Watermarking</b>	<b>10:20 - 12:00 noon</b>		
	Session Chair	Jonathan Loo	Brunel University
	Protection of DVB Systems by Trusted Computing	Nicolai Kuntze	Fraunhofer Institute
	Fingerprinting on Compressed Digital Video	Chee Sun Won	Dongguk Univ
	Robust Hidden Markov Model Based Video Watermarking in the Wavelet Domain	Ersin Elbasi	The City University of New York
	Robust Image Watermarking Based on Affine Invariant Point Detection and Zernike Moments	Bing Ouyang	Texas Instruments
<b>Keynote Luncheon Room W105 a&amp;b</b>	<b>12:00 - 2:00 pm</b>		
		Kay Johansson	Chief Technology Officer, MobiTV
<b>PM: Transmission Technology</b>	<b>2:00 - 3:40 pm</b>		
	Session Chair	Peter Unger	Braunschweig Technical University
	OFDM Carrier-by-Carrier Bit Error Rate Measuring System	Kohei Kambara	Japan Broadcasting Corp
	A Hybrid Domain Block Equalizer for ATSC Systems under Distributed Transmission Environment	Xianbin Wang	Communications Research Centre CA
	Measurements, Processing functions and Laboratory test bench Experiments for Evaluating Diversity in Broadcast Network	Raffaele Di Bari	Brunel University
	Design of the Channel Estimation Algorithm for Advanced Terrestrial DMB System	Sung-Hoon Kim	ETRI
<b>Coffee Break</b>	<b>3:40 - 4:00 pm</b>		

<b>Wednesday, 28 March 2007</b>			
<b>Room W103a</b>			
<b>Poster Session:</b>	<b>4:00 pm - 6:00 pm</b>		
<b>DTV Systems</b>	Session Chair	Fujio Yamada	Mackenzie Presbyterian University
	Modeling Approaches to Multiband Service Delivery in DOCSIS 3.0 - An Architecture Perspective	Mary Looney	Cork Institute of Technology
	Assessment of ATSC Return Links for Broadband Multimedia Datacasting Applications	Wei Li	Communications Research Centre CA
	A New Technique to Increase the Proxy Caching Performance in VoD Systems	Abbas Javadtalab	Sharif University of Technology
	Seamless IPTV Channel Control Algorithm over DOCSIS CATV Networks	Dai-Boong Lee	Pohang University of Science & Technology
	Design of IP Set-Top-Box—An Overview	Yu Li	IBM China Research Lab
<b>Field Trial &amp; Testing</b>	Session Chair	Xianbin Wang	Communications Research Centre CA
	Digital Radio Mondiale Field Trials in Brasilia for Local Radio Coverage Using the 26 MHz Band	Ivan Pena	Bilbao Engineering College
	Realization and Evaluation on Datacasting of Printable Data Linked with Broadcast Program in Japan	Tadashi Miyosawa	Seiko Epson Corp.
	DVB-H Field Trials: Studying Radio Channel Characteristics	Heidi Himmanen	University of Turku
<b>Transmission Technology</b>	Session Chair	Pablo Angueira	Bilbao Engineering College
	Channel Estimation for an Echo Canceller in DVB-T/H Networks	Karim M. Nasr	Brunel University
	A Robust 8-VSB System Based on LDPC Codes for Digital TV Broadcasting	Ying Y. Tai	Ikanos Communications
	On the Investigation of DVB-H Network Coverage with the Application of Transmit Diversity	Yue Zhang	Brunel University
	Scalable Media Content Transmission over a Fading Channel using an Adaptive Rate Control Strategy	Yongheng Liu	University College Dublin
	A Hybrid Channel Model for UWB Indoor Multimedia Applications	Karim Nasr	Brunel University
<b>Multimedia Processing</b>	Session Chair	Sung-Hoon Kim	ETRI
	A Modified Closed-Loop MPEG-2 to VC1 Transcoder	Ravin Sachdeva	STMicroelectronics
	Clustering-based Object Detection for Low-resolution Video Streaming	Luca Superiori	Vienna University of Technology
	Fast Intermode Decision of Scalable Video Coding using Statistical Hypothesis Testing	Bumshik Lee	Korea Broadcast System
	Real-Time Markerless and Model Free Reconstruction of 3D Face Surface Data From Stereo Image Pair	Sabri Gurbuz	NICT Cognitive Information Science Labs
	Robust Noise Suppression Algorithm with Kalman Filter for White and Colored Disturbance	Nari Tanabe	Tokyo University of Science
<b>Room W103b</b>			
<b>Evening Reception</b>	<b>6:00 - 8:00 pm</b>		

<b>Thursday, 29 March 2007</b>			
<b>Room: W102 a&amp;b</b>			
<b>Continental Breakfast</b>	<b>8:20 - 8:50 am</b>		
<b>Plenary session 2</b>	<b>8:50 - 9:50 am</b>		
	Session Chair	Yiyan Wu	Communications Research Ctr CA
	Networking Support for Immersive Collaborative Applications	Michael Needham	Motorola Labs
	Towards Future ATSC Mobile/Handheld Services, introduction of ATSC proposal	Mike Simon	Rohde & Schwarz
<b>Coffee Break</b>	<b>9:50 - 10:05 am</b>		
<b>AM: Field Trial &amp; Testing</b>	<b>10:05 am - 12:10 pm</b>		
	Session Chair	Pablo Angueira	Bilbao Engineering College
	Trial of Application Service for Wireless Ubiquitous Network	Moo Wan Kim	Tokyo Univ of Information Sciences
	Mobile Reception Analysis of Simulcast (DRM-AM) Services in the Medium Wave Band	Unai Gil	Bilbao Engineering College
	A Canadian Perspective on T-DMB - Field Trial Results	Pascal Marcoux	CBC Technology
	Evaluation and Validation of the Performance of a DVB-H Network	David Plets	Ghent University
	Measurements and Analysis of a WiMAX Field Trial at 3.5 GHz in an Urban Environment	Joachim Hauck, Alvaro Valcarce	University of Applied Sciences
<b>Keynote Luncheon Room W105 a&amp;b</b>	<b>12:10 - 2:00 pm</b>		
		<b>Kari Lehtinen</b>	<b>Vice President Handsets, Modeo LLC</b>
<b>PM: Mobile TV 2</b>	<b>2:00 - 3:40 pm</b>		
	Session Chair	William Meintel	IEEE BTS
	Handheld Reception Field Tests Results for the Brazilian Digital TV System	Fujio Yamada	Mackenzie Presbyterian University
	Simulations of PSI/SI Transmission in DVB-H Systems	Tero Jokela	University of Turku
	Performance Analysis of Mobile Video Telephony over CDMA EVDO Rev. A	Kashyap K. R. Kambhatla	University of Southern California
	Efficient Distribution for DVB-H Single Frequency Networks	Roland Schaller	Udcast
<b>Coffee Break</b>	<b>3:40 - 4:00 pm</b>		
<b>PM: IPTV 2</b>	<b>4:00 - 5:15 pm</b>		
	Session Co-Chairs	Jinyun Zhang      Wei Li	Mitsubshi Electric Research Labs Communications Research Ctr CA
	Challenges of HDTV in IPTV Networks	Peter Siebert	Siemens AG
	Video Content Personalization for IPTV Services	David C. Gibbon	AT&T Labs
	IPTV Channel Control Algorithm Statistically Guaranteeing Channel Zapping Time with High Network Utilization	Hwangjun Song	Pohang University of Science & Technology
<b>Room: 101b</b>			
<b>AM: Video Coding &amp; Processing</b>	<b>10:05 am - 12:10 pm</b>		
	Session Chair	John Cosmas	Brunel University
	B-Frame Transcoding in H.264 to MPEG-2 Transcoders	Hari Kalva	Florida Atlantic University
	The Role of Video Coding and Processing and Particularly Professional Broadcast Encoders in Next-Generation Television Services	Sean McCarthy	Modulus Video
	Motion-JPEG2000 Stream Scaling for Multi-Resolution Video Transmission	Michael Lee	CSIRO ICT Centre
	An Optimal Extraction Scheme of Scalable Video Coding Bitstream	Yongjun Chang	Korea Broadcast System
	Multiple Frame Motion Compensated Interpolation for Frame Rate Up-Conversion	Jonathan Loo	Brunel University
<b>Keynote Luncheon Room W105 a&amp;b</b>	<b>12:10 - 2:00 pm</b>		
		<b>Kari Lehtinen</b>	<b>Vice President Handsets, Modeo LLC</b>
<b>PM: DTV Systems</b>	<b>2:00 - 3:40 pm</b>		
	Session Chair	Philipp Steckel	Braunschweig Technical University
	On the Mobile Reception Performance of the Chinese Digital Terrestrial Television Broadcasting (DTTB)	Jintao Wang, Jian Song	Tsinghua University
	Comments on Chinese DTTB Standard	Guan Yunfeng, Liang Weigiang	Shanghai Jiao Tong University
	Coverage Estimation for Localized Service Areas in Single Frequency Networks	Peter Unger	Braunschweig Technical University
	Congestion and Travel Time Information Service via Terrestrial Digital Multimedia Broadcasting	Sang Woon Lee	Yonsei University
<b>Coffee Break</b>	<b>3:40 - 4:00 pm</b>		
<b>PM: Channel Coding</b>	<b>4:00 - 5:15 pm</b>		
	Session Chair	Demin Wang	Communications Research Ctr CA
	Forward Error Correction and Autonomous Flow Scheduling for IP Video Quality-of-Service	Steven Chen	Rivulet Communications Inc
	Evaluation of the Performance of a Hybrid Error Correction Scheme for DVB Services over IEEE 802.11a	Guoping Tan	Saarland University
	Improving Error Burst Tolerance at the DVB-H Link Layer	Heidi Himmanen	University of Turku