

Digital Mobile Multimedia Transmission Technology and System (DMMTTS)

Chairs:

Jian Song, Jintao Wang, Tsinghua University, Beijing, China

Monday 6 September 2010 9:00-10:30 Quebec

Session 1

1 Invited Talk

Yiyan Wu, Communications Research Centre Canada, Editor-in-Chief of IEEE Transactions on Broadcasting

2 Technical Review for Chinese Future DTTB System (Invite Paper)

Zhixing Yang, Department of Electronic Engineering, Tsinghua University, Beijing, P. R. China, China; Jun Wang, Department of Electronic Engineering, Tsinghua University, Beijing, P. R. China, China; Jintao Wang, Department of Electronic Engineering, Tsinghua University, Beijing, P. R. China, China; Kewu Peng, Tsinghua National Laboratory of Information Science Technology, China; Fang Yang, Tsinghua National Laboratory of Information Science Technology, China; Jian Song, Tsinghua National Laboratory of Information Science Technology, China; and Zhaocheng Wang, Department of Electronic Engineering, Tsinghua University, Beijing, P. R. China, China

Coffee Break in Provinces Foyer (10.30 – 11.00)

Monday 6 September 2010 11:00-12:30 Quebec

Session 2

3 Progressive Automatic Detection of OFDM

System Parameters for Universal Mobile DTV Receiver

Qian Chen, University of Western Ontario, Canada; Xianbin Wang, University of Western Ontario, Canada; Paul Ho, Simon Fraser University, United States; and Yiyan Wu, Communications Research Centre Canada, Canada

4 New Constellation-Rotation Diversity Scheme for DVB-NGH

Junho Kim, Chonnam National University, Korea, Republic of; Hojun Kim, Chonnam National University, Korea, Republic of; Taejin Jung, Chonnam National University, Korea, Republic of; Jaehwui Bae, ETRI, Korea, Republic of; and Gwangsoon Lee, ETRI, Korea, Republic of

5 Low Complexity Iterative Frequency Domain Decision Feedback Equalization

Chao Zhang, Tsinghua University, China; and Changyong Pan, Tsinghua University, China

Lunch on your own (12.30 – 13.30)

Monday 6 September 2010 13:30-15:00 Quebec

Session 3

6 An Improved CIR-based STR Scheme for MISO mode in DVB-T2 System

Seunghwan Choi, Yonsei University, Korea, Republic of; Jong-Seob Baek, Yonsei University, Korea, Republic of; and Jong-Soo Seo, Yonsei University, Korea, Republic of

7 Analysis on Polynomials Employed in Pre-distortion for Power Amplifiers

Ai Bo, Beijing Jiaotong University, China; Zhong Zhang-dui, Beijing Jiaotong University, China; Jiang Tao, HuaZhong University of Science and Technology, China; and Li Bo, Xi'an University of Posts and Telecommunications, China

8 Novel Multi-Service Datacasting Scheme over DTTMB System

Xiaoqing Wang, Tsinghua University, China; Shigang Tang, Hong Kong Applied Science & Technology Research Institute, China; Yangang Li, Hong Kong Applied Science & Technology Research Institute, China; and Shuyun Jia, Tsinghua University, China

Vehicle Electronics (VE2010)

Chairs:

Mehrdad (Mark) Ehsani, Texas A&M University, USA

Chris Mi, University of Michigan - Dearborn, USA

Jay Iyengar, Chrysler Group LLC, USA

Monday 6 September 2010 13:30-15:00 Provinces I

Session 1

1 Analysis and Simulation of Adjacent Service Interference to Vehicle-Equipped Digital Wireless Receivers from Cellular Mobile Terminals

Theodore Rappaport, The University of Texas at Austin, United States; Stefano DiPierro, Sirius XM Satellite Radio Inc., United States; and Riza Akturan, Sirius XM Satellite Radio Inc., United States

2 Battery Fast Charging Strategy Based on Model Predictive Control

Jingyu Yan, The Chinese University of Hong Kong, Hong Kong; Guoqing Xu, Shenzhen Institutes of Advanced Technology, China; Huihuan Qian, The Chinese University of Hong Kong, Hong Kong; and Yangsheng Xu, The Chinese University of Hong Kong, Hong Kong

3 Direct Torque Control for Electric Vehicle driver Motor Based on Extended Kalman Filter

Zhongbo Peng, Chongqing Jiaotong University, China

Monday 6 September 2010 15:30-17:00 Provinces I

Session 2

4 Distributed filtering over sensor networks for autonomous navigation of UAVs

Gerasimos Rigatos, Industrial Systems Institute, Greece

5 Effects of Using Ultracapacitors on Acceleration and Regenerative Braking Performances in Hybrid Electric Vehicles

Amir Hossein Eghbali, University of Tehran, Iran, Islamic Republic of; and Behzad Asaei, University of Tehran, Iran, Islamic Republic of

6 Fuzzy Control for Battery Equalization Based on State of Charge

Jingyu Yan, The Chinese University of Hong Kong, Hong Kong; Zhu Cheng, Shenzhen Institutes of Advanced Technology, China; Guoqing Xu, Shenzhen Institutes of Advanced Technology, China; Huihuan Qian, The Chinese University of Hong Kong, Hong Kong; and Yangsheng Xu, The Chinese University of Hong Kong, Hong Kong

