

Connected Cities - Digital City workshop

November 29 – 30, 2011

Université Pierre et Marie Curie, Paris

TECHNICAL PROGRAM

Monday 28 November 2011

08:30 - 18:30: Network of the Future Conference

Tuesday 29 November 2011

09 :00 - 12 :45 Network of the Future Conference

14 :15 – 16 :00 Session 7b on Technology Design Issues for Smart Cities

Session chair: Lv Weifeng (Beihang University)

- Design of Smart City: From Concept To Planning Ziqin Sang (Wuhan Research Inst. of Posts & Telecoms)
- Security of Audio Data in Smart City: Reversible AudioWatermarking Xiaopeng Yang, Zhenyong Chen, Lixin Luo, Wei Fan and Zhang Xiong (Beihang University)
- Virtual Reality Platform For Smart City Based On Sensor Network and OSG Engine Jie Hu, Rui Wang, Wanggen Wan, Xiaoqin Yu, Shuai Yu and Yueyue Gao (Shanghai University)
- Video Structured Description: Data Vitalization in Video Surveillance System Lin Mei, Chuanping Hu, Hongzhou Zhang and Li Qi (The Third Research Institute of the Ministry of Public Security)

16 :00 – 16 :30 Coffee break

16 :30 – 18 :00 Session 8b on Multimedia Data Processing and Networks

Session chair: Huang Xiaoxia (Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences)

- A fast descriptor matching method for upright images registration using orientation Yitao Chi, Chao Li and Zhang Xiong (Beihang University)
- A novel Semi-Fragile Lossless Digital Watermarking for Smart-City Image Zhuo Wang, Zhenyong Chen, Wei Fan and Xiong Zhang (Beihang University)
- A High-Throughput Routing Protocol for Wireless Sensor Networks Ying Zhu, Min Chen, Guojun Ma and Ai Chen (Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences)
- Network Virtualization in Next Generation Data Center Junrui Hao and Shaohua Yu (Wuhan Research Inst. of Posts & Telecoms)

18:00 End of the day

19 :00 – 23 :30 Social Event

Wednesday 30 November 2011

09 :00 – 09 :45 Keynote Speech

Digital cities of the future

Khaldoun Al Agha (University Paris-Sud 11, France)

09 :45 – 11 :00 Session 9 on Senseable City Networks

Session chair: Stefano Secci (UPMC, France)

- GSM network probes, new sensors to take the urban heartbeat Ana-Maria Olteanu (Orange Labs, France)
- Understanding urban dynamics from digital traces Francesco Calabrese, Fabio Pinelli (IBM Research, Ireland & MIT, USA)
- Dynamics of the knowledge economy: how flows enable us to better understand urban economies Jon Reades (UCL, England)
- Pervasive urban sensing with probe vehicles Yanmin Zhu (Shanghai Jiao Tong University, China)

11 :00 – 11 :30 Coffee break

11 :30 – 13 :15 two parallel session

Session 10a on Ubiquitous Computing

Session chair: Ana-Maria Olteanu (Orange Labs, France)

- Smart city in China - Data vitalization and ubiquitous service Zhang Xiong (Ecole Centrale de Pekin, BeiHang University, China)
- AaltoWindow: Open multitouch framework for public displays Vuorimaa Petri (Aalto University, Finland)
- User context computing in mobile internet Xiaoxia Huang (Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences, China)
- Integrated traffic data platform of intelligent city Weifeng Lv (College of Software, BeiHang University, China)

Session 10b Advanced Data Processing

Session chair: Xue Guangtao (Shanghai Jiao Tong University)

- Region Disparity Estimation and Object Segmentation Based on Graph Cut and Combination of Multiple Features Qiming Li, Qiuyu Zhu, Penghao Xu and Yichun Li (Shanghai University)
- PDGAP: A Data Mining System to Pothole Detection Using On-board Sensors Xiaolin Zhang, Mingming Lu, Kongyang Chen, Ziqiang Li, Jinwu Wu and Qi Wei (Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences)
- Text Categorization Using Mean Shift Yuan Man, Ouyang Yuanxin and Xiong Zhang (Beihang University)

13 :15 - 14 :30 Lunch Break

14 :30 – 16 :00 Session 11 on Dynamic Urban Communications

Session chair: Khaldoun Al Agha (University Paris-Sud 11, France)

- Urbanization of digital cities Guy Pujolle (UPMC, France)
- Communication for smart cities - smart cities for more efficient communication Adam Wolitz (TU Berlin, Germany)

Cognitive radio strategies in heterogeneous environments Bijan Jabbari (George Masson University, USA)

16 :00 – 18 :00 Project meetings

18 :00 End of the workshop