Tutorials

Tutorial 1

When: 9:00-12:00, Tuesday, November 27, 2012
Where: Crystal II
Topic: Video Processing Techniques for 3D Television
Lecturer: Yo-Sung Ho (GIST, South Korea)

Tutorial 2

When: 9:00-12:00, Tuesday, November 27, 2012
Where: Topaz
Lecturer: Zhihai He (Univ. of Missouri, USA)

Tutorial 3

When: 14:00-17:00, Tuesday, November 27, 2012
Where: Crystal II
Topic: Image Database Visualization and Browsing
Lecturer: Gerald Schaefer (Loughborough University, UK)

Tutorial 4

When: 14:00-17:00, Tuesday, November 27, 2012
Where: Topaz
Topic: Perpetual Video Camera for Internet-of-Things
Lecturers: Yen-Kuang Chen (Intel, USA), Shao-Yi Chien (National Taiwan Univ., Taiwan)
## Oral Sessions

**Wednesday, November 28, 2012**

**Time:** 10:50-12:10  
**Location:** Crystal I  
**Oral Session WO1: Biomedical Imaging and Surveillance**  
**Chair:** Andre Kaup, University of Erlangen-Nuremberg, Germany

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Location: Crystal I
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Friday, November 30, 2012

Time: 15:40-17:00
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Chair: Enrico Magli, Politecnico di Torino, Italy

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Poster Sessions

Wednesday, November 28, 2012

Time: 14:00-15:20
Location: Emerald
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Thursday, November 29, 2012
Time: 14:00-15:20
Location: Emerald
Poster Session HP: Video/Image Enhancement, Quality Assessment and Transmission
Chair: Xin Wang, Huawei, USA

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Chair: Khaled El-Maleh, Qualcomm, USA
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221  **Human Attention Region-of-Interest in I-frame for Video Coding**
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Seyun Kim* (SNU), Nam Ik Cho (Seoul National University)

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Cheon Lee (GIST), Sang-Beom Lee (Gwangju Institute of Science and Technology (GIST)), Ho-Cheon Wey (Samsung), Jaejoon Lee (Samsung), Yo-Sung Ho* (Gwangju Institute of Science and Technology)

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Special Sessions

Wednesday, November 28, 2012

Time: 15:40-17:00  
Location: Topaz  
Special Session WS1: Network and Content Aware Adaptive Visual Communications for Future Internet  
Chair: Marco Grangetto, University of Torino, Italy

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Thursday, November 29, 2012

Time: 11:20-12:40  
Location: Topaz
**Special Session HS1: Dynamic Adaptive Streaming over HTTP**  
**Chair**: Yuriy Reznik, InterDigital, USA

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**Friday, November 30, 2012**

**Time**: 9:50-11:10  
**Location**: Topaz

**Special Session FS1: Compressive Sensing and Sparse Representation for Multimedia (I)**  
**Chair**: Li-Wei Kang, Academia Sinica, Taiwan

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<td>Robust Wheelchair Pedestrian Detection Using Sparse Representation</td>
<td>Duan-Yu Chen* (Yuan Ze University), Bo-Ruei Huang</td>
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204  **New Bounds on Image Denoising: Viewpoint of Sparse Representation and Non-Local Averaging**
Jianzhou Feng* (Shanghai jiaotong university), Li Song (Shanghai Jiao Tong University), Xiaoming Huo, Xiaokang Yang (Shanghai Jiao Tong University), Wenjun Zhang (Shanghai Jiao Tong University)

211  **A Fast Multiscale Framework for Data in High-dimensions: Measure Estimation, Anomaly Detection, and Compressive Measurements**
Guangliang Chen* (Duke University), Mark Iwen, Mauro Maggioni, Sang Chin

271  **Classification Based on Sparse Representation and Euclidian Distance**
Ali Julazadeh (Ryerson University), Mahdi Marsousi (Ryerson University), Javad Alirezaie* (Ryerson University)

Friday, November 30, 2012

**Time:** 11:20-12:40  
**Location:** Topaz  
**Special Session FS2:** Compressive Sensing and Sparse Representation for Multimedia (II)  
**Chair:** Chia-Hung Yeh, National Sun Yat-Sen University, Taiwan

173  **Deblocking Filter for Artifact Reduction in Distributed Compressive Video Sensing**
Khanh Dinh (Sungkyunkwan University), Hiukjae Shim (Sungkyunkwan University), Byeungwoo Jeon* (Sungkyunkwan University)
Chih-Yun Tsai (National Taiwan University), De-An Huang (National Taiwan University), Ming-Chun Yang (National Taiwan University), Li-Wei Kang (Academia Sinica), Yu-Chiang Wang* (Academia Sinica)

Efficient Image/Video Deblocking via Sparse Representation
Yi-Wen Chiou (National Sun Yat-Sen University), Chia-Hung Yeh* (National Sun Yat-Sen University), Li-Wei Kang (Academia Sinica), Chia-Wen Lin (National Tsing Hua University), Shu-Jhen Fan-Jiang (National Sun Yat-Sen University)
Demo Sessions

Wednesday, November 28, 2012

Time: 14:00-17:00  
Location: Emerald  
Demo Session WDS  
Chair: Ling Guan, Ryerson University, Canada; Gerald Schaefer, Loughborough University, UK

297  An Optimized Real-Time Multi-Thread HEVC Decoder  
Yizhou Duan (Beijing University)

299  Vision Guided Compression on low-bit rate channels  
Sek Chai (SRI)

304  Intuitive Mobile Image Browsing on a Hexagonal Lattice  
Gerald Schaefer (Loughborough University)

Thursday, November 29, 2012

Time: 14:00-17:00  
Location: Emerald  
Demo Session HDS  
Chair: Xin Wang, Huawei, USA

298  DASH(HEVC)/LTE: QOE-Based Dynamic Adaptive Streaming of HEVC Content Over Wireless Networks  
Xin Wang (Huawei)
300  An Open Source MPEG DASH Evaluation Suite  
Stefan Lederer (Alpen-Adria Universität Klagenfurt)

301  Demonstration of a multimedia player supporting the MPEG-DASH protocol  
Chrystian Roy (Visualon)

302  User-Adaptive Mobile Video Streaming  
Yuriy Reznik (InterDigital)

303  An HTML5 Player for a GStreamer-based MPEG DASH Client  
Emanuele Quaccio (STMicroelectronics)