## Conference Program

<table>
<thead>
<tr>
<th>Time</th>
<th>November 7, 2016 (Monday)</th>
<th>November 8, 2016 (Tuesday)</th>
<th>November 9, 2016 (Wednesday)</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30</td>
<td>Registration (4F in Fujian Hall)</td>
<td>09:10 Registration (4F in Fujian)</td>
<td>09:30 Registration (4F in Fujian)</td>
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<tr>
<td>09:30</td>
<td>Opening (Main conference hall)</td>
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<tr>
<td>09:40</td>
<td>Keynote Speech (I) Prof. Alessandro</td>
<td>Keynote Speech (III) Prof. Zhiyong</td>
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<tr>
<td>09:40</td>
<td>Piva Main conference hall (4F)</td>
<td>Liu Main conference hall (4F)</td>
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<tr>
<td>10:40</td>
<td>Coffee Break (4F in Fujian)</td>
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<tr>
<td>11:00</td>
<td>Keynote Speech (II) Prof. Han-Chieh</td>
<td>Keynote Speech (IV) Prof. Poki</td>
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<tr>
<td>11:00</td>
<td>Chao Main conference hall (4F)</td>
<td>Chen Main conference hall (4F)</td>
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<tr>
<td>12:00</td>
<td>Lunch (1F in Guest)</td>
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<tr>
<td>14:00</td>
<td>Session A The 1st conference room</td>
<td>Session C The 1st conference room</td>
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<tr>
<td>14:00</td>
<td>(5F in Fujian)</td>
<td>(5F in Fujian)</td>
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<tr>
<td>15:30</td>
<td>Coffee Break (5F in Fujian)</td>
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<tr>
<td>15:50</td>
<td>Session B The 1st conference room</td>
<td>Session D The 1st conference room</td>
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<tr>
<td>15:50</td>
<td>(5F in Fujian)</td>
<td>(5F in Fujian)</td>
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<tr>
<td>18:00</td>
<td>Welcome Reception (1F in Guest)</td>
<td>Banquet (1F in Guest)</td>
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</tbody>
</table>
Keynote Speech

Keynote Speech (I): Advances on Multimedia Forensics  
**Speaker:** Prof. Alessandro Piva, University of Florence, Italy.  
**Date:** November 7, 2016 (Monday)  
**Time:** 09:40-10:40  
**Room:** Main conference hall (4F in Fujian Hall building)

Keynote Speech (II): IoT and Big Data Applications  
**Speaker:** Prof. Han-Chieh Chao, National Dong Hwa University, Taiwan.  
**Date:** November 7, 2016 (Monday)  
**Time:** 11:00-12:00  
**Room:** Main conference hall (4F in Fujian Hall building)

Keynote Speech (III): Energy Efficiency for Cloud Computing and Data Centers  
**Speaker:** Prof. Zhiyong Liu, Institute of Computing Technology, Chinese Academy of Sciences, China.  
**Date:** November 8, 2016 (Tuesday)  
**Time:** 09:40-10:40  
**Room:** Main conference hall (4F in Fujian Hall building)

Keynote Speech (IV): Intelligent Sensing: From Macroscopic to Microscopic Scale  
**Speaker:** Prof. Poki Chen, National Taiwan University of Science and Technology, Taiwan.  
**Date:** November 8, 2016 (Tuesday)  
**Time:** 11:00-12:00  
**Room:** Main conference hall (4F in Fujian Hall building)
Paper Presentation

Session A: Intelligent Data Analysis and Processing

Date: November 7, 2016 (Monday)
Time: 14:00-15:30
Room: The 1st conference room (5F in Fujian Hall building)
Session Chairs: Prof. Sebastián Basterrech, VŠB-Technical University of Ostrava, Czech Republic.
Prof. Shi-Jian Liu, Fujian University of Technology, China.

1. The Complex Vector Maxwell Equations and An Applied Research
   
   *Miaoyu Zhang, Baolong Guo, Jie Wu*

2. Passenger Hailing Safety PASW Modeler and Big Data Statistical Analysis Study
   
   *S.H. Meng, A.C. Huang, T.J. Huang, J. Chen, J.S. Pan*

3. Cellular Automaton Rule Extractor
   
   *Lukas Kroczek, Ivan Zelinka*

4. Recovery of Compressed Sensing Microarray using Sparse Random Matrices
   
   *Zhenhua Gan, Baoping Xiong, Fumin Zou, Yueming Gao, Min Du*

5. The Reliability and Economic Analysis Comparison Between Parallel System and Erlang Distribution System
   
   *Lin Xu, Chao-Fan Xie, Lu-Xiong Xu*

6. Estimating Human Activities from smartwatches with Feedforward Neural Networks
   
   *Sebastián Basterrech*

Session B: Innovative E-learning and Applications

Date: November 7, 2016 (Monday)
Time: 15:50-17:20
Room: The 1st conference room (5F in Fujian Hall building)
Session Chairs: Prof. Pei-Shu Tsai, National Changhua University of Education, Taiwan.
Prof. You-Te Lu, Southern Taiwan University of Science and Technology, Taiwan.

1. Application of E-Learning in Teaching of English as a Second Language
   
   *Pei-Wei Tsai, Pei-Shu Tsai, Powen Ku, Vaci Istanda, Tarek Gabe*

2. A Case Study on Information Literacy and the Use of Social Media for Senior Learners
   
   *You-Te Lu, Yi-Hsing Chang, Tien-Wen Sung*

3. Establishing a Game-Based Learning Cloud
   
   *Yi-Hsing Chang, Jheng-Yu Chen, Rong-Jyue Fang, You-Te Lu*

4. A Study on Smart Deployment for Real-time Strategy Games
   
   *Cheng-Ta Yang, Bing-Chang Chen, Her-Tyan Yeh, Guo-Xiang Jian*

5. A Learning approach to Hierarchical Features for Automatic Music Composition
   
   *Michele Della Ventura*
Session C: Image Processing and Applications
Date: November 8, 2016 (Tuesday)
Time: 14:00-15:30
Room: The 1st conference room (5F in Fujian Hall building)
Session Chairs: Prof. Yunyi Yan, Xidian University, China.
Prof. Rui Xu, Fujian University of Technology, China.

(1) Image Classification Based on Image Hash Convolution Neural Network  
Yaoxing Chen, Yunyi Yan, Dan Zhao
(2) Object Recognition based on Superposition Proportion in Binary Images  
Yan Zheng, Baolong Guo, Jing Ma
(3) Piecewise planar region matching for high-resolution aerial video tracking  
Meng Yi, Li-chun SUI
(4) Salient Object Detection Based on Histogram-based Contrast and Guided Image Filtering  
Pingping Zeng, Fanjie Meng, Ruixia Shi, Dalong Shan, Yanlong Wang
(5) A New Method for Extraction of Residential Areas from Multispectral Satellite Imagery  
Rui Xu, Yanfang Zeng, Quan Liang
(6) Thresholding method based on the relative homogeneity between the classes  
Hong Zhang, Wenyu Hu

Session D: Innovative Technology and Applications
Date: November 8, 2016 (Tuesday)
Time: 15:50-17:20
Room: The 1st conference room (5F in Fujian Hall building)
Session Chairs: Dr. Trong-The Nguyen, National Kaohsiung University of Applied Sciences, Taiwan.  
Prof. Chih-Feng Wu, Fujian University of Technology, China.

(1) Searching of Circular Neighborhoods in the Square and Hexagonal Regular Grids  
Vojtěch Uher, Petr Gajdoš, Václav Snášel
(2) Tooth Segmentation from Cone Beam Computed Tomography Images Using the Identified Root Canal and Harmonic Fields  
Shi-Jian Liu, Zheng Zou, Ye Liang, Jeng-Shyang Pan
(3) A Moving Object Detection Algorithm Based on A Combination Optical Flow and Edge Detection  
Yao Xi, Ke-bin Jia, Zhong-hua Sun
(4) The real-time depth map obtainment based on stereo matching  
Fei Wang, Kebin Jia, Jinchao Feng
(5) Handwritten Numbers and English Characters Recognition System  
Wei Li, Xiaoxuan He, Chao Tang, Keshou Wu, Xuhui Chen, Shaoyong Yu, Yuliang Lei, Yanan Fang, Yuping Song
(6) Method for Noises Removel Based on PDE  
Baoping Xiong, Zhenhua Gan, Fumin ZOU, Yuemin Gao, Min Du
Session E: Circuit Analysis and Systems
Date: November 9, 2016 (Wednesday)
Time: 09:40-10:40
Room: The 1st conference room (5F in Fujian Hall building)
Session Chairs: Prof. Pei-Wei Tsai, Fujian University of Technology, China.
Prof. Zhu Quan, Fujian University of Technology, China.

1. An XDL Analysis Method for SRAM-based FPGA
   Junfeng Liu, Yunyi Yan, Jinfu Wu

2. Area Estimation for Triple Modular Redundancy Field Programmable Gate Arrays
   Hongjie He, Baolong Guo, Yunyi Yan

3. Coupled Plasmonic Nanoantennas
   Hancong Wang

4. A High Frequency Voltage-Controlled PWM/PSM Dual-Mode Buck DC-DC Converter
   Zhong Lun-Gui, Cheng Xin

5. A Complex Network Based Classification of Covered Conductors Faults Detection
   Tomas Vantuch, Jan Gaura, Stanislav Misak, Ivan Zelinka

Session F: Networks and Security
Date: November 9, 2016 (Wednesday)
Time: 11:00-12:00
Room: The 1st conference room (5F in Fujian Hall building)
Session Chairs: Prof. Sheng-Hui Meng, Fujian University of Technology, China.
Prof. Hancong Wang, Fujian University of Technology, China.

1. Error Control Schemes for Robust Transmission with Compressed Sensing Signals
   Hsiang-Cheh Huang, Po-Liang Chen, Feng-Cheng Chang

2. Research on the construction of college information applications based on Cloud Computing
   Zhu Quan

3. Camellia Key Expansion Algorithm Based on Chaos
   Chuanfu Wang, Qun Ding

4. The Key Exchange Algorithm in Network Encryption Machine
   Minghao Li, Qun Ding

   Xianghai Ge, Xinhua Jiang, Fumin Zou, Lvchao Liao
Conference Venue

Conference Venue: Fujian West Lake Hotel
Address: No.11, Hualin Road, Fuzhou City, Fujian Province, China.
Geographical Coordinates: 26°05'42.3"N 119°17'31.6"E
Tel: +86-0591-87857008  Fax: +86-0591-87840549
Fujian West Lake Hotel - Guest Building

Fujian West Lake Hotel - Fujian Hall Building