

## Conference Schedule

| November 20 <sup>th</sup> , 2016              |  |             |             |   |   |                                |                                     |
|---|--|-------------|-------------|---|---|--------------------------------|-------------------------------------|
| 15:00<br> <br>17:00                           | <b>Registration</b><br><i>The corridor on the 7F</i>   |             |             |   |   |                                |                                     |
| November 21 <sup>st</sup> , 2016              |  |             |             |   |   |                                |                                     |
| 08:30<br> <br>16:00                           | <b>Registration</b><br><i>Registration Desk on the M3F (In front of the elevator)</i>  |             |             |   |   |                                |                                     |
| 08:50<br> <br>09:00                           | <b>Opening</b><br><i>BANQUET HALL on the M3F</i>   |             |             |   |   |                                |                                     |
| 09:00<br> <br>09:50                           | <b>Keynote Speech (I): Some Steganographic Methods for Delivering Secret Messages Using Cover Media</b><br><i>by Prof. Chin-Chen Chang</i><br><i>BANQUET HALL on the M3F</i>   |             |             |   |   |                                |                                     |
| 09:50<br> <br>10:15                           | <b>Coffee Break</b><br><i>BANQUET HALL - I on the M3F</i>  |             |             |   |   |                                |                                     |
| 10:15<br> <br>11:05                           | <b>Keynote Speech (II): The Theory and Applications for Digital Filtering in Fractional Domains</b><br><i>by Prof. Ran Tao</i><br><i>BANQUET HALL on the M3F</i>   |             |             |   |   |                                |                                     |
| 11:05<br> <br>11:20                           | <b>Coffee Break</b><br><i>BANQUET HALL - I on the M3F</i>  |             |             |   |   |                                |                                     |
| 11:20<br> <br>12:10                           | <b>Keynote Speech (II): Fuzzy Forecasting Based on High-Order Fuzzy Time Series and Genetic Algorithms</b><br><i>by Prof. Shyi-Ming Chen</i><br><i>BANQUET HALL on the M3F</i>   |             |             |   |   |                                |                                     |
| 12:10<br> <br>13:50                           | <b>Lunch</b><br><i>BANQUET HALL - I on the M3F</i>   |             |             |   |   |                                |                                     |
| 13:50<br> <br>15:10                           | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; background-color: #d9e1f2;">Session A01</th> <th style="width: 50%; background-color: #d9e1f2;">Session A02</th> </tr> </thead> <tbody> <tr> <td style="background-color: #d9e1f2;">Multimedia Security and Its Applications (I)</td> <td style="background-color: #d9e1f2;">Computational Intelligence and Applications (I)</td> </tr> <tr> <td style="background-color: #d9e1f2;"><i>BANQUET HALL on the M3F</i></td> <td style="background-color: #d9e1f2;"><i>BANQUET HALL - II on the M3F</i></td> </tr> </tbody> </table> | Session A01 | Session A02 | Multimedia Security and Its Applications (I)  | Computational Intelligence and Applications (I) | <i>BANQUET HALL on the M3F</i> | <i>BANQUET HALL - II on the M3F</i> |
| Session A01                                   | Session A02  |             |             |   |   |                                |                                     |
| Multimedia Security and Its Applications (I)  | Computational Intelligence and Applications (I)  |             |             |   |   |                                |                                     |
| <i>BANQUET HALL on the M3F</i>                | <i>BANQUET HALL - II on the M3F</i>  |             |             |   |   |                                |                                     |
| 15:10<br> <br>15:30                           | <b>Coffee Break</b><br><i>BANQUET HALL - I on the M3F</i>  |             |             |   |   |                                |                                     |
| 15:30<br> <br>16:50                           | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; background-color: #d9e1f2;">Session A03</th> <th style="width: 50%; background-color: #d9e1f2;">Session A04</th> </tr> </thead> <tbody> <tr> <td style="background-color: #d9e1f2;">Multimedia Security and Its Applications (II)</td> <td style="background-color: #d9e1f2;">Multimedia analysis and security</td> </tr> <tr> <td style="background-color: #d9e1f2;"><i>BANQUET HALL on the M3F</i></td> <td style="background-color: #d9e1f2;"><i>BANQUET HALL - II on the M3F</i></td> </tr> </tbody> </table>               | Session A03 | Session A04 | Multimedia Security and Its Applications (II) | Multimedia analysis and security                | <i>BANQUET HALL on the M3F</i> | <i>BANQUET HALL - II on the M3F</i> |
| Session A03                                   | Session A04  |             |             |   |   |                                |                                     |
| Multimedia Security and Its Applications (II) | Multimedia analysis and security   |             |             |   |   |                                |                                     |
| <i>BANQUET HALL on the M3F</i>                | <i>BANQUET HALL - II on the M3F</i>  |             |             |   |   |                                |                                     |
| 17:00   | <b>Reception Dinner</b><br><i>Champs Elysees on 5F</i>   |             |             |   |   |                                |                                     |

| November 22 <sup>nd</sup> , 2016 |   |  |
|----------------------------------|---|--|
| 08:30<br> <br>16:00              | <b>Registration</b><br><i>The corridor on the 7F</i>                                  |  |
| 09:00<br> <br>10:20              | <b>Session B01</b><br>IPv6 Network Management and Services                            | <b>Session B02</b><br>SoC Design for Signal Processing   |
|                                  | Phoenix Room on the 7 <sup>th</sup> Floor   | Balsam Room on the 7 <sup>th</sup> Floor   |
| 10:20<br> <br>10:40              | <b>Coffee Break</b><br>Golden Dragon Hall – II on the 7 <sup>th</sup> Floor           |  |
| 10:40<br> <br>12:00              | <b>Session B03</b><br>Computational Intelligence and Applications (II)                | <b>Session B04</b><br>Recent Advances in Information Hiding and Enrichment Technologies for Audio and Speech Signals |
|                                  | Phoenix Room on the 7 <sup>th</sup> Floor   | Balsam Room on the 7 <sup>th</sup> Floor   |
| 12:00<br> <br>13:50              | <b>Lunch</b><br>Golden Dragon Hall – II on the 7 <sup>th</sup> Floor                  |  |
| 13:50<br> <br>15:10              | <b>Session B05</b><br>Cross-discipline Techniques in Signal Processing and Networking | <b>Session B06</b><br>Recent Advances in Spatial Audio Technologies and Systems                                      |
|                                  | Phoenix Room on the 7 <sup>th</sup> Floor   | Balsam Room on the 7 <sup>th</sup> Floor   |
| 15:10<br> <br>15:30              | <b>Coffee Break</b><br>Golden Dragon Hall – II on the 7 <sup>th</sup> Floor           |  |
| 15:30<br> <br>16:50              | <b>Session B07</b><br>Wearable Computing and Information Security                     | <b>Session B08</b><br>Information Hiding and Signal Processing   |
|                                  | Phoenix Room on the 7 <sup>th</sup> Floor   | Balsam Room on the 7 <sup>th</sup> Floor   |
| 17:00                            | <b>Banquet</b><br>Golden Dragon Hall – I on the 7 <sup>th</sup> Floor                 |  |

| November 23 <sup>rd</sup> , 2016 |   |
|----------------------------------|---|
| 08:00<br> <br>10:30              | <p style="text-align: center;"><b>Registration</b><br/><i>The corridor on the 7F</i></p>  |
| 08:20<br> <br>09:40              | <p style="text-align: center;"><b>Session C01</b><br/>Network Security, Communication, Image Analysis, and Sensor Science<br/>Technology</p> <p style="text-align: center;">Balsam Room on the 7<sup>th</sup> Floor</p> |
| 09:40<br> <br>10:00              | <p style="text-align: center;"><b>Coffee Break</b><br/>Golden Dragon Hall – II on the 7<sup>th</sup> Floor</p>  |
| 10:00<br> <br>11:20              | <p style="text-align: center;"><b>Session C02</b><br/>Smart Distribution Systems and Applications</p> <p style="text-align: center;">Balsam Room on the 7<sup>th</sup> Floor</p>  |
| 11:30                            | <p style="text-align: center;"><b>Lunch</b><br/><i>Champs Elysees on 5F</i></p>   |

## **Session A01: Multimedia Security and Its Applications (I)**

### **Session Chair:**

#### **IIH-MSP-2016-IS05-01**

High Payload Data Hiding Based on Just Noticeable Distortion Profile and LSB Substitution

*Hui-Shih Leng and Hsien-Wen Tseng*

#### **IIH-MSP-2016-IS05-02**

An Improved Data Hiding Method of Five Pixel Pair Differencing and LSB Substitution Hiding Scheme

*Tzu-Chuen Lu and Yu-Ching Lu*

#### **IIH-MSP-2016-IS05-03**

A Data Hiding Method based on Multi-predictor and Pixel Value Ordering

*Yung-Chen Chou, Tzu-Chuen Lu, and Jih-Huei Wu*

#### **IIH-MSP-2016-IS05-04**

Advanced Center-Folding based Reversible Hiding Scheme with Pixel Value Ordering

*Tzu-Chuen Lu, Chi-Quan Lin, Jia-Wei Liu, and Yu-Ci Chen*

#### **IIH-MSP-2016-IS05-05**

A Large Payload Webpage Data Embedding Method Using CSS Attributes Modification

*Jing-Xun Lai, Yung-Chen Chou, Chiung-Chen Tseng, and Hsin-Chi Liao*

#### **IIH-MSP-2016-IS05-08**

The Study of Steganographic Algorithms Based on Pixel Value Difference

*Chin-Feng Lee, Jau-Ji Shen, and Kuan-Ting Lin*

## **Session A02: Computational Intelligence and Applications (I)**

### **Session Chair:**

#### **IIH-MSP-2016-IS09-06**

A Parallel Optimization Algorithm Based on Communication Strategy of Pollens and Agents

*Pei-Wei Tsai, Trong-The Nguyen, Jeng-Shyang Pan, and Thi-Kien Dao*

#### **IIH-MSP-2016-0058**

The Linear Transformation Image Enhancement Algorithm Based on HSV Color Space

*Maolin Zhang, Fumin Zou, and Jiansheng Zheng*

#### **IIH-MSP-2016-IS09-15**

An Unmanned Aerial Vehicle Optimal Route Planning Based on Compact Artificial Bee Colony

*Tien-Szu Pan, Thi-Kien Dao, Jeng-Shyang Pan, and Trong-The Nguyen*

#### **IIH-MSP-2016-IS09-20**

A Multi-Objective Optimal Vehicle Fuel Consumption Based on Whale Optimization Algorithm

*Mong-Fong Horng, Thi-Kien Dao, Chin-Shiuh Shieh, and Trong-The Nguyen*

#### **IIH-MSP-2016-IS09-21**

An Improved Learnable Evolution Model for Discrete Optimization Problem

*Wenguo Wu and Shih-Pang Tseng*

#### **IIH-MSP-2016-0088**

Optimum Design and Simulation of New Type Single Phase PMSG

*Zhong-Shu Liu*

## **Session A03: Multimedia Security and Its Applications (II)**

### **Session Chair:**

#### **IIH-MSP-2016-IS05-06**

A High Performance Compression Method Using SoC and LAS

*Yu-Hsaun Chiu, Min-Rui Hou, and Yung-Chen Chou*

#### **IIH-MSP-2016-IS05-07**

The Reduction of VQ Index Table Size by Matching Side Pixels

*Ya-Feng Di, Zhi-Hui Wang, Chin-Feng Lee, and Chin-Chen Chang*

#### **IIH-MSP-2016-0070**

Blind Quantum Computation with Two Decoy States

*Qiang Zhao and Qiong Li*

#### **IIH-MSP-2016-0075**

A Bayesian based Finite-size Effect Analysis of QKD

*Xuan Wen, Qiong Li, Hongjuan Wang, Hui Yang, and Hanliang Bai*

#### **IIH-MSP-2016-0082**

A Novel Aeromagnetic Compensation Method Based on the Improved Recursive Least-Squares

*Guanyi Zhao, Yuqing Shao, Qi Han, and Xiaojun Tong*

#### **IIH-MSP-2016-0108**

An Improved Adaptive Median Filter Algorithm and Its Application

*Rui Ha, Pengyu Liu, and Kebin Jia*

**Session A04: Multimedia analysis and security**

**Session Chair:**

**IIH-MSP-2016-IS13-01 (IIH-MSP-2016-IS09-07)**

Forensics of Operation History Including Image Blurring and Noise Addition based on Joint Features

*Yahui Liu, Rongrong Ni, and Yao Zhao*

**IIH-MSP-2016-IS13-02 (IIH-MSP-2016-IS09-08)**

Copyright Protection Method based on the Main Feature of Digital Images

*Xinyi Wang, Zhengong Yang, and Shaozhang Niu*

**IIH-MSP-2016-IS13-03 (IIH-MSP-2016-IS09-09)**

An Improvement Image Subjective Quality Evaluation Model Based on Just Noticeable Difference

*Bohan Niu*

**IIH-MSP-2016-IS13-04 (IIH-MSP-2016-IS09-11)**

A New Image Encryption Instant Communication Method Based On Matrix Transformation

*Jiancheng Zou and Tengfan Weng*

**IIH-MSP-2016-0013**

The Election of Spectrum Bands in Hyper-spectral Image Classification

*Yi Yu, Yi-Fan Li, Jun-Bao Li, Jeng-Syang Pan, and Wei-Min Zheng*

**IIH-MSP-2016-0042**

Evaluating a Virtual Collaborative Environment for Interactive Distance Teaching and Learning: A Case Study

*Wen Qi*

## **Session B01: IPv6 Network Management and Services**

### **Session Chair:**

#### **IIH-MSP-2016-IS07-01**

Comparison of IPv4-over-IPv6 (4over6) and Dual Stack Technologies in Dynamic Configuration for IPv4/IPv6 Address

*Ta Te Lu, Cheng Yen Wu, Wen Yen Lin, Hsin Pei Chen, and Kuang Po Hsueh*

#### **IIH-MSP-2016-IS07-02**

A Framework for Supporting Application Level Interoperability between IPv4 and IPv6

*Yeong-Sheng Chen and Shang-Yi Liao*

#### **IIH-MSP-2016-IS07-03**

Design and Implementation of an IPv4/IPv6 Dual-Stack Automatic Service Discovery Mechanism for an Access Control System

*Hui-Kai Su, Chih-Hsueh Lin, Jia-Long Hu and Chun Liang Chang*

#### **IIH-MSP-2016-IS07-04**

Decision Support for IPv6 Migration Planning

*Shian-Shyong Tseng, Ai-Chin Lu, Wen-Yen Lin, Ching-Heng Ku, and Geng-Da Tsai*

#### **IIH-MSP-2016-0085**

An MTSA Algorithm for Unknown Protocol Format Reverse

*Fanghui Sun, Shen Wang, and Hongli Zhang*

#### **IIH-MSP-2016-0094**

High Precision 3D Point Cloud with Modulated Pulses for LiDAR System

*Kai-Jiun Yang and Chi-Tien Sun*



## **Session B02: SoC Design for Signal Processing**

### **Session Chair:**

#### **IIH-MSP-2016-IS04-01**

Vehicle Detection Algorithm Based on Modified Gradient Oriented Histogram Feature

*Wen-Kai Tsai, Sheng-Kai Lo, Ching-De Su, and Ming-Hwa Sheu*

#### **IIH-MSP-2016-IS04-02**

Modular Design of a General Purpose Controller for Hybrid Electric Power Conversion System

*Yu-Cian Syu, Jian-Feng Tsai, Lieh-Kuang Chiang, and Wen-Ching Ko*

#### **IIH-MSP-2016-0032**

Infrared Video Based Sleep Comfort Analysis Using Part-based Features

*Lumei Su, Min Xu, and Xiangsong Kong*

#### **IIH-MSP-2016-0066**

Fall Detection Algorithm Based on Human Posture Recognition

*Kewei Zhao, Kebin Jia, and Pengyu Liu*

#### **IIH-MSP-2016-0132**

Design of a Hardware Efficient Antenna-Configurable Multiple-input Multiple-output Detector

*Syu-Siang Long, Chin-Kuo Jao, Shih-Kun Lin, Chang-Hsuan Hsu, Wei-Cheng Wang, and Muh-Tian Shiue*

#### **IIH-MSP-2016-IS09-03**

The Design of Distributed Hardware Platform for Complex Electronic System Testing

*Chang'an Wei, Gang Wang, Yunlong Sheng, Shouda Jiang, and Xiangyu Tian*

## **Session B03: Computational Intelligence and Applications (II)**

### **Session Chair:**

#### **IIH-MSP-2016-IS09-01**

DBN-based Classification of Spatial-spectral Hyperspectral Data

*Lianlei Lin, Hongjian Dong, and Xinyi Song*

#### **IIH-MSP-2016-IS09-02**

Using CNN to Classify Hyperspectral Data Based on Spatial-spectral Information

*Lianlei Lin and Xinyi Song*

#### **IIH-MSP-2016-IS09-04**

Multiple Kernel-learning Based Hyperspectral Data Classification

*Wei Gao and Yu Peng*

#### **IIH-MSP-2016-IS09-05**

Rolling Element Bearings Fault Intelligent Diagnosis Based on Convolutional Neural Networks Using Raw Sensing Signal

*Wei Zhang, Gaoliang Peng, and Chuanhao Li*

#### **IIH-MSP-2016-0218**

Silhouette Imaging for Smart Fence Applications with ZigBee Sensors

*Kaide Huang, Zhengshun Zhang, and Jinwen Cai*

#### **IIH-MSP-2016-IS09-13**

A Comparative Analysis of Stock Portfolio Construction by IABC and GARCH with the ISCI in Taiwan Stock Market

*Pei-Wei Tsai, Ko-Fang Liu, Xingsi Xue, Jui-Fang Chang, Cian-Lin Tu, Vaci Istanda, and Chih-Feng Wu*

**Session B04: Recent Advances in Information Hiding and Enrichment  
Technologies for Audio and Speech Signals**

**Session Chair:**

**IIH-MSP-2016-IS06-01**

Improvement of the Embedding Capacity for Audio Watermarking Method Using Non-negative Matrix Factorization

*Harumi Murata and Akio Ogihara*

**IIH-MSP-2016-IS06-02**

Digital Audio Watermarking Robust Against Locality Sensitive Hashing

*Kotaro Sonoda and Kentaro Morisaki*

**IIH-MSP-2016-IS06-03**

On a Synchronization Method for Audio Watermarks Robust Against Aerial Transmission Using Embedded Random Synchronization Pattern

*Kazuhiro Kondo and Joji Yamada*

**IIH-MSP-2016-IS06-04**

Tampering Detection in Speech Signals by Semi-Fragile Watermarking Based on Singular-Spectrum Analysis

*Jessada Karnjana, Masashi Unoki, Pakinee Aimmanee, and Chai Wutiwiwatchai*

**IIH-MSP-2016-IS06-05**

A Study on Tailor-Made Speech Synthesis Based on Deep Neural Networks

*Shuhei Yamada, Takashi Nose, and Akinori Ito*

**IIH-MSP-2016-0027**

Cross-similarity Measurement of Music Sections: A Framework for Large-scale Cover Song Identification

*Kang Cai, Deshun Yang, and Xiaoou Chen*

## **Session B05: Cross-discipline Techniques in Signal Processing and Networking**

### **Session Chair:**

#### **IIH-MSP-2016-IS01-01**

Design of Dipole Slot Antenna for 700/900/1800 MHz Applications

*Yuh-Yih Lu, Chih-Wei Fan, and Hsiang-Cheh Huang*

#### **IIH-MSP-2016-IS01-02**

Gender Recognition Using Local Block Difference Pattern

*Chih-Chin Lai, Chih-Hung Wu, Shing-Tai Pan, Shie-Jue Lee, and Bor-Haur Lin*

#### **IIH-MSP-2016-IS01-03**

A Design of Genetic Programming Scheme with VLIW Concepts

*Feng-Cheng Chang and Hsiang-Cheh Huang*

#### **IIH-MSP-2016-IS01-04**

Robust Transmission of Compressed Sensing Signals with Error Correction Codes

*Hsiang-Cheh Huang, Feng-Cheng Chang, Yueh-Hong Chen, and Po-Liang Chen*

#### **IIH-MSP-2016-IS01-05**

A Quantization-based Image Watermarking Scheme Using Vector Dot Product

*Yueh-Hong Chen and Hsiang-Cheh Huang*

#### **IIH-MSP-2016-0037**

Demonstration Experiment of Data Hiding into OOXML Document for Suppression of Plagiarism

*Akinori Ito*

## **Session B06: Recent Advances in Spatial Audio Technologies and Systems**

### **Session Chair:**

#### **IIH-MSP-2016-IS08-01**

Introduction and Comparison of Machine Learning Techniques to the Estimation of Binaural Speech Intelligibility

*Kazuhiro Kondo and Kazuya Taira*

#### **IIH-MSP-2016-IS08-02**

Impact of Variation in Interaural Level and Time Differences due to Head Rotation in Localization of Spatially Segregated Sound

*Daisuke Morikawa*

#### **IIH-MSP-2016-IS08-03**

An Improved 5-2 Channel Downmix Algorithm for 3D Audio Reproduction

*Xingwei Sun, Risheng Xia, Lei Yang, Lizhong Wang, and Junfeng Li*

#### **IIH-MSP-2016-IS08-04**

Investigation on the Head-related Modulation Transfer Function for Monaural DOA

*Nguyen Khanh Bui, Daisuke Morikawa, and Masashi Unoki*

#### **IIH-MSP-2016-IS08-05**

Temporal Characteristics of Perceived Reality of Multimodal Contents

*Shuichi Sakamoto, Hiroyuki Yagyu, Zhenglie Cui, Tomoko Ohtani, Yoiti Suzuki, and Jiro Gyoba*

#### **IIH-MSP-2016-0120**

Frames Motion Detection of Quantum Video

*Shen Wang*

## **Session B07: Wearable Computing and Information Security**

### **Session Chair:**

#### **IIH-MSP-2016-IS02-01**

High-capacity Robust Watermarking Approach for Protecting Ownership Right

*Chun-Yuan Hsiao, Ming-Feng Tsai, and Ching-Yu Yang*

#### **IIH-MSP-2016-IS02-02**

A Novel Approach to the Quadratic Residue Code

*Ching-Fu Huang, Wan-Rong Cheng, and Chang-Ching Yu*

#### **IIH-MSP-2016-0159**

A Secure Authentication Scheme for Telecare Medical Information Systems

*Chin-Chen Chang, Jung-San Lee, Yu-Ya Lo, and Yanjun Liu*

#### **IIH-MSP-2016-0200**

Reversible Authentication Scheme for Demosaicked Images without False Detection

*Xiao-Long Liu, Chia-Chen Lin, Cheng-Han Lin, Li-Juan Lin, and Bo-Jun Qiu*

#### **IIH-MSP-2016-IS09-12**

A Three-Party Password Authenticated Key Exchange Protocol Resistant to Stolen Smart Card Attacks

*Chien-Ming Chen, Linlin Xu, Weicheng Fang, and Tsu-Yang Wu*

#### **IIH-MSP-2016-IS09-17**

More Efficient Algorithm to Mine High Average-Utility Patterns

*Jerry Chun-Wei Lin, Shifeng Ren, Philippe Fournier-Viger, Ja-Hwung Su, and Bay Vo*

## **Session B08: Information Hiding and Signal Processing**

### **Session Chair:**

#### **IIH-MSP-2016-0078**

Development of an Easy Japanese Writing Support System with Text-to-Speech Function

*Takeshi Nagano, Hafiyah Prafianto, Takashi Nose, and Akinori Ito*

#### **IIH-MSP-2016-0136**

Synthesis of Photo-Realistic Facial Animation from Text Based on HMM and DNN with Animation Unit

*Kazuki Sato, Takashi Nose, and Akinori Ito*

#### **IIH-MSP-2016-0171**

Behavior Steganography in Social Network

*Xinpeng Zhang*

#### **IIH-MSP-2016-0176**

Robust Steganography Using Texture Synthesis

*Zhenxing Qian, Hang Zhou, Weiming Zhang, and Xinpeng Zhang*

#### **IIH-MSP-2016-0197**

A Reversible Data Hiding Scheme in AMBTC Compression Code Using Joint Neighborhood Coding

*Pei-Feng Shiu, Chia-Chen Lin, Jinn-Ke Jan, Cheng-Lin Hsieh, and Yi-Ming Tang*

#### **IIH-MSP-2016-0228**

An Optimization Approach for Potential Power Generator Outputs Based on Parallelized Firefly Algorithm

*Chia-Hung Wang, Trong-The Nguyen, Jeng-Shyang Pan, Thi-Kien Dao*

**Session C01: Network Security, Communication, Image Analysis, and Sensor  
Science Technology**

**Session Chair:**

**IIH-MSP-2016-IS11-01**

Management of Energy Saving for Wireless Sensor Network Node

*Xu-Hong Huang*

**IIH-MSP-2016-IS11-02**

Ultrasonic Ranging-based Vehicle Collision Avoidance System

*S.H. Meng, A.C. Huang, T.J. Huang, Z.M. Cai, Q.Z. Ye, and F.M. Zou*

**IIH-MSP-2016-IS11-03**

Defending Cloud Computing Environment Against the Challenge of DDoS Attacks  
Based on Software Defined Network

*Shuen-Chih Tsai, I-Hsien Liu, Chien-Tung Lu, Chan-Hua Chang, and Jung-Shian Li*

**IIH-MSP-2016-0181**

An Automatic Decoding Method for Morse Signal based on Clustering Algorithm

*Yaqi Wang, Zhonghua Sun, and Kebin Jia*

**IIH-MSP-2016-0224**

A Novel Digital Rights Management Mechanism on Peer-to-Peer Streaming System

*Jin Zhang, Jinwen Cai, Zhengshun Zhang*

**IIH-MSP-2016-0185**

Automotive Air-conditioning Systems Performance Prediction Using Fuzzy Neural  
Networks

*Rong Hu and Ye Xia*



## **Session C02: Smart Distribution Systems and Applications**

### **Session Chair:**

#### **IIH-MSP-2016-IS14-01**

Model-based Vehicle Make and Model Recognition from Roads

*Li-Chih Chen*

#### **IIH-MSP-2016-IS14-02**

A Protective Device for a Motor Vehicle Battery

*Rong-Ching Wu, Yen-Ming Tseng, En-Chih Chang, and Jia-Yi Chen*

#### **IIH-MSP-2016-IS14-03**

Feeder Losses Sensitivity Analysis by Real or Reactive Power Node Injection of Distributed Generators

*Yen-Ming Tzeng, Rong-Ching Wu, Jeng-Shyang Pan, and Rui-Zhe Huang*

#### **IIH-MSP-2016-IS09-22**

PCB Level SI Simulation Based on IBIS Model for FPGA System with DDR2 Memory Devices Application

*Xiao-Yu Cheng and Wei-Min Zheng*

#### **IIH-MSP-2016-0111**

Research on Frequency Automatically Switching Technology for China Highway Traffic Radio

*Lei Cai, Zhong-Teng Yu, and Chun-Lei Meng*

#### **IIH-MSP-2016-0153**

A Revisit to LSB Substitution Based Data Hiding for Embedding More Information

*Yanjun Liu, Chin-Chen Chang, and Tzu-Yi Chien*