**PRELIMINARY PROGRAM**

Thursday, October 19, 2017

### Opening & Keynote Speech P1

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Speaker</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00-9:15</td>
<td>P1-1</td>
<td>Opening: Welcome from Fudan University and IFIP</td>
<td>Conference Organizers</td>
<td>Ball Room Fudan University and IFIP</td>
</tr>
<tr>
<td>9:15-9:55</td>
<td>P1-2</td>
<td>China’s Commitment to the Enterprise Information Systems (Keynote)</td>
<td>Maria Raffai</td>
<td>Ball Room Szechenyi Istvan University, Hungary</td>
</tr>
<tr>
<td>9:55-10:35</td>
<td>P1-3</td>
<td>IoT Cloud Platform – The foundation of Industry 4.0 (Keynote)</td>
<td>Jianguo Wang</td>
<td>Ball Room Bosch Software Innovations, German</td>
</tr>
</tbody>
</table>

### Coffee Break

### Plenary Session P2

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Speaker</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:00-11:30</td>
<td>P2-1</td>
<td>The business Process Approach in Management of Enterprises (Invited Talk)</td>
<td>Kataev M.Yu</td>
<td>Ball Room Tomsk State University of Control Systems and Radioelectronic, Russia</td>
</tr>
<tr>
<td>11:30-11:50</td>
<td>P2-2</td>
<td>Big Data Analytics – Geolocation from the Perspective of Mobile Network Operator</td>
<td>Antonin Pavlicek</td>
<td>Ball Room University of Economics, Prague, Czech Republic</td>
</tr>
<tr>
<td>11:50-12:10</td>
<td>P2-3</td>
<td>Healthcare Data Analysis for Regional Medical Union in Smart City</td>
<td>Boyi Xu</td>
<td>Ball Room Shanghai Jiao Tong University, Shanghai, China</td>
</tr>
<tr>
<td>12:00-12:30</td>
<td>P2-4</td>
<td>Pattern Discovery from Big Data of Food Sampling Inspections Based on Extreme Learning</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Workshop: Intelligent Electronic and Systems - I S3

**Session Chair:**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Speaker</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:30-13:50</td>
<td>S3-1</td>
<td>Deep Ensemble Effectively and Efficiently for Vehicle Instance Retrieval</td>
<td>Zhengyan Ding</td>
<td>The Third Research Institute of the Ministry of Public Security, Shanghai, China</td>
</tr>
<tr>
<td>13:50-14:10</td>
<td>S3-2</td>
<td>A High Sensibility Wireless Communication Technology for Underwater Internet of Things Systems</td>
<td>Mu-Tian Li</td>
<td>Fudan University, Shanghai, China</td>
</tr>
<tr>
<td>14:10-14:30</td>
<td>S3-3</td>
<td>Rethinking 'Things' - Fog Layer Interplay in IoT: a Mobile Code Approach</td>
<td>Behailu Negash</td>
<td>University of Turku, Turku, Finland</td>
</tr>
<tr>
<td>14:30-14:50</td>
<td>S3-4</td>
<td>Telemonitoring of the PV Panels for Quality Assurance</td>
<td>Kwame Ibwe</td>
<td>University of Dar es Salaam, Tanzania</td>
</tr>
<tr>
<td>14:50-15:10</td>
<td>S3-5</td>
<td>A Security Framework for Fog Networks based on Role-Based Access Control and Trust Models</td>
<td>Farhoud Hosseinpour</td>
<td>University of Turku, Turku, Finland</td>
</tr>
</tbody>
</table>

### Enterprise Information Systems - I S4

**Session Chair:**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Speaker</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:30-13:50</td>
<td>S4-1</td>
<td>Method of Domain Specific Code Generation Based on Knowledge Graph for Quantitative Trading</td>
<td>Jianshui Bi</td>
<td>Shanghai Jiao Tong University, Shanghai, China</td>
</tr>
<tr>
<td>13:50-14:10</td>
<td>S4-2</td>
<td>Modeling of Service Time in Public Organization based on Business Processes</td>
<td>Bulysheva L.A</td>
<td>Old Dominion University, Norfolk, USA</td>
</tr>
<tr>
<td>14:10-14:30</td>
<td>S4-3</td>
<td>Automated Trading Systems Statistical, Machine Learning Method and Hardware Implementation A Literature Review</td>
<td>Boming Huang</td>
<td>Fudan University, Shanghai, China</td>
</tr>
<tr>
<td>14:30-14:50</td>
<td>S4-4</td>
<td>The Economic Value of an Emergency Call System</td>
<td>Niina Maarit Novak</td>
<td>Vienna University of Technology, Vienna, Austria</td>
</tr>
<tr>
<td>14:50-15:10</td>
<td>S4-5</td>
<td>Genomics Cloud Design and Implementation</td>
<td>Jitao Yang</td>
<td>Beijing Language and Culture University, Beijing, China</td>
</tr>
</tbody>
</table>
Workshop: Intelligent Electronic and Systems - II S5

Session Chair:

15:40-16:00  S5-1  The Optimization of Energy Consumption and Visual Comfort Induced by Incident Light Based on PSO
19 OCT  Yong-Gang Zhang
Fudan University, Shanghai, China

16:00-16:20  S5-2  Ensuring fault tolerance and efficiency in autonomous swarm-based monitoring systems
19 OCT  Amin Majd
Åbo Akademi University, Turku, Finland

16:20-16:40  S5-3  Survey about Swarm of Unmanned Aerial Vehicles
19 OCT  Anam Tahir
University of Turku, Turku, Finland

16:40-17:00  S5-4  IoT Platform for Real-time Multichannel ECG Monitoring and Classification with Neural Networks
19 OCT  Jose Granados
Fudan University, Shanghai, China

17:00-17:20  S5-5  Classification of Multichannel Surface-electromyography Signals based on Convolutional Neural Networks
19 OCT  Na Duan
The Third Research Institute of The Ministry of Public Security, Shanghai, China

17:20-17:40  S5-6  Adopting Renewable Energy in Tanzania: Opportunities and Challenges
19 OCT  Naiman Shililiandumi
University of Dar es Salaam, Tanzania

Enterprise Information Systems - II S6

Session Chair:

15:40-16:00  S6-1  Case-based Learning in Business Process Management First Experiments
19 OCT  Jürgen Dorn
Vienna University of Technology, Vienna, Austria

16:00-16:20  S6-2  Enterprise Architecture: A Survey
19 OCT  Gorkhali Anjee
Tribhuvan University, Nepal

16:20-16:40  S6-3  Aquatic Product Traceability Platform for Enterprise Information Systems (EIS) Management
19 OCT  Xiao-Guo Chen
Fudan University, Shanghai, China

16:40-17:00  S6-4  Image Database Management Architecture: Logical Structure and Indexing Methods
19 OCT  L. Bulysheva
Old Dominion University, Norfolk, USA

17:00-17:20  S6-5  A Behavior Analysis Method towards Product Quality Management
19 OCT  Congcong Ye
Shanghai Jiao Tong University, Shanghai, China

Reception Dinner
PRELIMINARY PROGRAM

Friday, October 20, 2017

**Plenary Session and C-IES Kick Off P7**

9:00-9:30  P7-1  Introduction to Intelligent Electronic and Systems & kick-off ceremony
20 OCT  Lirong Zheng
Fudan University, China

9:30-10:10  P7-2  Mass-manufacturable Advanced Electronics to Address Grand Challenges in Health Care
20 OCT  (Keynote)  Rudy Lauwereins
IMEC, Belgium

**Coffee Break**

**Keynote & Students’ Poster S8**

**Session Chair:**

10:40-11:00  S8-1  Microwatt Piezoelectric Energy Harvesting and Smart Sensors for Internet of Everything
20 OCT  (Keynote)  Atila Alvandpour
Linköping University, Sweden

11:20-12:20  S8-2  Students’ Poster
20 OCT

**Enterprise Information Systems - III S9**

**Session Chair:**

10:40-11:00  S9-1  An IoT-Big Data Based Machine Learning Technique for Forecasting Water Requirement in Irrigation Field
20 OCT  Fizar Ahmed
Corvinus University of Budapest, Hungary
11:00-11:20 S9-2  Penetration of Industry 4.0 Principles into ERP Products – A Central European Study
Josef Basl
University of Economics, Prague, Czech Republic

11:20-11:40 S9-3  Systematic Analysis of future competences affected by Industry 4.0
András Gábor
Future Internet Living Lab Association, Budapest, Hungary

11:40-12:00 S9-4  Modelling the Popularity of Online Topics Based on Survival Analysis: A Case Study of Weibo.co
Zhenping Zhang
Beijing University of Posts and Telecommunications, Beijing, China

12:00-12:20 S9-5  Checking the Correctness of What-If Scenarios
Mariana Carvalho
University of Minho, Braga, Portugal

Lunch

Forum: Smart Systems & Made in China 2025 S10

13:30-15:30 S11-1  Industry Forum, Organized by Lingang Group and Lingang International Innovation Centers
Bosch, GE, Tencent, IFLYTEK, et al

Enterprise Information Systems - IV S11

Session Chair:

13:30-13:50 S10-1  Access Controls in Data Exchanging Supporting Big Data Arena
Haoyang Jia
Fudan University, Shanghai, China

13:50-14:10 S10-2  Big Data Analytics using SQL: Quo Vadis?
K.T. Sridhar
XtremeData Technologies/XtremeData, Inc., India

14:10-14:30 S10-3  The Aquatic Produce Traceability Data Model Based on Internet of Things
Hai-Jing Lin
Fudan University, Shanghai, China

14:30-14:50 S10-4  Process-based Analysis of Digitally Transforming Skills
Ildikó Szabó
Corvinus University of Budapest, Budapest, Hungary

14:50-15:10 S10-5  An Architecture for the Integration of Smart City Applications with LEGOS: a distributed, robust and scalable Fog Computing platform
Mosiuoa Tsietsi
Rhodes University, Grahamstown, South Africa

15:10-15:30 S10-6  Internet of Things or Surveillance of Things?
Antonín Pavlíček
University of Economics, Prague, Czech Republic

Coffee Break
C-IES Meeting (invited only)

15:45-17:45