HCC 2016

Colombo, Sri Lanka, Jan 7 –9 2016

[CONFERENCE PROGRAM]

2016 International Conference on Human-Centered Computing will be held in Colombo, Sri Lanka, 7 - 9 January 2016.
### 7 Jan 2016 – Berjaya Hotel

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>09:00 – 16:00</td>
<td>Conference registration ()</td>
</tr>
<tr>
<td>09:45 – 10:00</td>
<td>Opening Ceremony ()</td>
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<tr>
<td>10:00 – 11:00</td>
<td>Keynote session ()</td>
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<tr>
<td>11:00 – 11:20</td>
<td>Coffee Break ()</td>
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<tr>
<td>11:20 – 12:40</td>
<td>Session 1.a ()</td>
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<tr>
<td>12:40 – 14:30</td>
<td>Lunch</td>
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<tr>
<td>14:30 – 15:50</td>
<td>Session 2.a ()</td>
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<tr>
<td>15:00 – 16:10</td>
<td>Coffee Break ()</td>
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<tr>
<td>16:10 – 18:00</td>
<td>Session 3.a ()</td>
</tr>
<tr>
<td>18:30 – 23:30</td>
<td>Reception (banquet)</td>
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<tr>
<td>23:30</td>
<td>Back to Hotel</td>
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### 8 Jan 2016 – Berjaya Hotel

<table>
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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>09:00 – 10:00</td>
<td>Keynote session ()</td>
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<tr>
<td>10:15 – 10:45</td>
<td>Coffee Break ()</td>
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<tr>
<td>10:45 – 11:45</td>
<td>Session 4.a ()</td>
</tr>
<tr>
<td>12:00 – 14:30</td>
<td>Lunch</td>
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</tbody>
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HCC2016 Presentation Schedule

Section 1.a chair: Chunyu Miao

- A Node Localization Verification Model for WSN (23)
  Chunyu Miao, Guoyong Dai, Lina Chen, Hongbo Jin, Qingzhang Chen
- Exploring User Mobile Shopping Activities Based on Characteristic of Eye-tracking (77)
  Jing Zhu, Xiaowei Li, Tong Cao, Shuting Sun, and Bin Hu
- Frequency Domain and Time Domain Study of a Novel Compact CPW Fed Monopole UWB Antenna with L Shaped Slots for Band Notched Characteristics (19)
  Jinning Zhao, Bin Hu, Guoping Gao, Lele He, Xiaolong Tian, and Ma Rong
- Vibration response and research of energy harvesting of the piezoelectric cantilever (3)
  Liu Hongjun, Chen Dingfang, Li Lijie, Li Bo
- Flow Field Analysis of Cutter Head for Cutter Suction Dredgers (100)
  Min Zhang, Shidong Fan

Section 1.b chair: Zhang Changyou

- SSSP on GPU without Atomic Operation (57)
  Wang Feng, Zhu Liehuang, Zhang Changyou
- Measurement of Composite Error of Pitch Curve of Non-circular Gear based on C++ and MATLAB (50)
  Bo Li, Hongxiang Zhang, Dingfang Chen, Tulian Xian, Botao Li, Jun He
- Numerical Algorithm of Non-circular Gear’s Tooth Profile Based on Jarvis March (62)
  Botao Li, Jiquan Hu, Dingfang Chen, Bo Li, Hongxiang Zhang and Jun He
- A Novel Load Balancing Algorithm Based on Improved Particle Swarm Optimization in Cloud Computing Environment (90)
  Bing Tang, Shusheng Guo, Wei Wang, and Haiwu He
- Sensitive Information Protection of CAD Model Based on Free-Form Deformation in Collaborative Design
  Yiqi Wu, Fazhi He, Weidong Li, Xiantao Cai, Xiaoxia Li

Section 2.a chair: Yun Wang

- HCOpt: An Automatic Optimizer for Configuration Parameters of Hadoop (26)
  Xiong Zhang, Linxi Zeng, Xuanhua Shi, Song Wu, Xia Xie, Hai Jin
- The Quality Control and Management of Component-oriented Software (68)
  Yan Du, Shenping Chen and Shaohua Teng
- Identification of Critical Variables for Soft Error Detection (21)
  Junchi Ma, Yun Wang
- ISS: An Iterative Scrubbing Strategy for Improving Memory Reliability Against MBU (48)
  Hui Wang and Yun Wang
- Optimiztion of Charging and Data Collection in Wireless Rechargeable Sensor Networks (59)
  Cheng Hu and Yun Wang
Section 2.b chair: Xiaoping Li
- Capacity and Spectrum Utilization of Spatial, Temporal, and Joint Time-Space Spectrum Sharing (24)
  Yao Tang, Qian Li
- Research on dynamic generation of digital emergency plan based on variable structure Petri net (45)
  Huang Weidong, Ouyang Yafei, Ding Banglan
- Hybrid resource provisioning for workflow scheduling in cloud computing (30)
  Long Chen, Yucheng Guo, and Xiaoping Li
- Multi-Matched Similarity: a New Method for Image Retrieval (46)
  Zhun Zhong, Li-chuan Geng, Song Zhi Su, Guoxi Wu, Shaozi Li
- Research on Building and Analysis for Attribute Model in Quality Evaluation of Domain Software (7)
  Bao Tie, Li Yue, Liu Shufen, Yao Zhilin, Han Lu

Section 3.a chair: Wenan Tan,
- Research on Data Processing Algorithm of Data Fusion Simulator (29)
  Shufen Liu, Quan Zhang, Songyuan Gu, Zhanjian Zhu
- Research on the Performance of Shipboard Command and Control System Based on DDS (32)
  Zongpu JIA, Shufen LIU, Yikun ZHANG, Xinyong Wang
- An Improved Registration Mechanism for Network Mobility (49)
  Xuejun MA, Shufen Liu
- Proactive Scheduling Optimization of Emergency Rescue Based on Hybrid Genetic - Tabu Optimization Algorithm (53)
  Wenan Tan, Quanquan Zhang, Yong Sun
- E Petri net applied in document flow management system (67)
  Dongkai Shen, Yan Du and Shaohua Teng

Section 3.b chair: Chengzhou Fu
- NCFR: Network Coding Fair Routing for Multi-Success-Rate Wireless Sensor Networks (35)
  Lvju Wang, Chun Ma, Anwen Wang, Jun Guo, Xiaoyan Yin, Wei Wang, Xiaojian Chen, Dingyi Fang
- Survey on Android Applications Security (9)
  Chengzhou Fu, Chengzhe Yuan, Yong Tang, Weiquan Zeng, and Dahao Wang
- A General Rating Recommended Weight-aware Model for Recommendation System (69)
  E Haihong, Li Yusheng and Song Meina
- Mu-En: Multi-path of entity recommendation based on Path Similarity (78)
  Meina Song, Xuejun Zhao, Haihong E, and Cong Zhang
- Examination Data Analysis and Evaluation Platform based on Cloud Computing (38)
  Li Quan, Yang Youke, Gao Xigang, Lin Sui, Jiang Wenchao
- The Study and Application on Multi-dimension and Multi-layer Credit Scoring (70)
  Luyao Teng, Wei Zhang, Feiyi Tang, Shaohua Teng and Xiufen Fu
Thank you for contributing to
HCC2016