# KSS2018: Detailed Schedule

| Sunday, November 25, 2018 (Day 1) | | |
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| **8:30-9:30** | **Registration**<br>Room: 117 | |
| **9:30-9:40** | **Opening**<br>**Jian Chen (President of ISKSS, Tsinghua University, China)**<br>Room: 120 | |
| **9:40-10:40** | **Keynote Speaker 1: Chonghui Guo**<br>**chair: Jian Chen**<br>Room: 120 | |
| **10:40-11:10** | **Coffee/tea Break (Room: 118)** | |
| **11:10-12:10** | **Keynote Speaker 2: Setsuya Kurahashi**<br>**chair: Jiangning Wu**<br>Room: 120 | |
| **12:10-13:30** | **Lunch (Room: 116, 118)** | |
| | **Parallel Sessions** | |
| | **Room: 119** | **Room: 120** |
| **13:30-15:10** | **Session 1: Decision Analysis and Decision Support Systems**<br>**Chair: Cuiping Wei**<br>**5 talks** | **Session 2: Special Session: Knowledge and Risk Management for Electricity Trading Market**<br>**Chair: Yuji Yamada**<br>**5 talks** |
| | **19 Aiding First Incident Responders using a Decision Support System based on Live Drone Feeds.**<br>Jerico Moeyersons, Pieter-Jan Maenhaut, Filip De Turck and Bruno Volckaert | **123 Constructions of Forecast based Strategies and Real-time Experiment Systems for Electricity Trading Market**<br>Yuji Yamada, Setsuya Kurahashi, Nobuyuki Yamaguchi, Naoki Makimoto,<br>Junya Gotoh, Ryuta Takashima |
| | **Abs-38  Consensus Model and Selection Process based on Trust Relationship**<br>Cuiping Wei, Shengli Li | **124 Predictions for Electricity Trading Markets Using Nonparametric Techniques**<br>Yuji Yamada, Setsuya Kurahashi, Nobuyuki Yamaguchi |

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| | **45 Some q-Rung Orthopair Fuzzy Dual Maclaurin Symmetric Mean Operators with Their Application to Multiple Criteria Decision Making**<br>Jun Wang, Runtong Zhang, Li Li, Xiaopu Shang, Wezi Li and Yuan Xu | **125 Supply and Demand Balance Prediction Model  of Electricity Futures Market**<br>Setsuya Kurahashi, Yuji Yamada, Nobuyuki Yamaguchi |
| | **104 Partner-seeking of Internet Car Enterprise based on Hesitant Fuzzy Linguistic Sets**<br>Jie Wu, Lu Chen, Peng Li, Yongxiang Sheng, Qinfen Shi | **126 Supply-demand Balancing Experiment using Artificial Power Generator and Load Systems**<br>Nobuyuki Yamaguchi, Yuji Yamada, Setsuya Kurahashi |
| | **106 DEA Model for Two-Stage Networks with Feedback: An Improvement**<br>Yu Yu, Qinfen Shi | **127 Mathematical Modeling of Investment Strategy in Electricity Markets with Capacity Mechanism**<br>Naoki Makimoto, Ryuta Takashima |
| **15:10-15:40** | **Coffee/tea Break (Room: 118)** | |
| **15:40-16:40** | **Session 3: Modeling for Social Implementation (1)**<br>**Chair: Jiangning Wu** | **Session 4: Knowledge Discovery in Business Applications**<br>**Chair: Naoki Makimoto** |
| | **25 Social Media and the Diffusion of an Information Technology Product**<br>Yinxing Li and Nobuhiko Terui | **118 Influence of Financial Capital on Strategic Acquisitions**<br>Masako Murakami, Yuji Yamada |
| | **42  Modeling the Heterogeneous Mental Accounting Impacts of Inter-shopping Duration**<br>Kazuhiro Miyatsu and Tadahiko Sato | **128 Comparison Analysis of Corporate Governance for Japanese Institution between 2014 and 2016**<br>Hiroaki Namiki |
| | **46 The Impact of Online Reviews on Product Sales: What's Role of Supplemental Reviews**<br>Hao Liu, Jiangning Wu, Xian Yang and Xianneng Li | **115 A Methodology to Position Universities, Scientific Research Institutions and Enterprises' Efforts in a Technology Domain with a Patent Network Analysis: Case of the Electric Vehicle Domain**<br>Feng Shen, Tieju Ma |

| 16:40-16:50 | Short Breaks | |
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| 16:50-17:50 | **Session 3: Modeling for Social Implementation (2)**<br>**Chair: Setsuya Kurahashi** | **Session 4: Knowldege Management in Health Field**<br>**Chair: Chonghui Guo** |
| | **60 The Effect of Cognitive Trust on Team Performance: A Deep Computational Experiment**<br>   Deqiang Hu, Yanzhong Dang, Xin Yue and Guangfei Yang | **49 Mining Typical Drug Use Patterns based on Patient Similarity from Electronic Medical Records**<br>   Jingfeng Chen, Chonghui Guo, Leilei Sun and Menglin Lu |
| | **Abs-32  Simple Spatial Scaling Rules behind Complex Cities**<br>   Ruiqi Li | **41 The Characteristics of Service Efficiency and Patient Flow in Heavy Load Outpatient Service System**<br>   Yuan Xu, Xiaopu Shang, Hongmei Zhao, Runtong Zhang and Jun Wang |
| | **121 How Commission-based Reward System Affects the Unethical Behavior of Salesperson?**<br>   Masayuki Sumiyama and Mina Ryoke | **53 Modeling Wicked Problems in Healthcare using Interactive Qualitative Analysis: The Case of Patients' Internet Usage**<br>   Renuka Devi S Karthikeyan, Prakash Sai Lokachari and Nargis Pervin |

| Monday, November 26, 2018 (Day 2) | | |
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| **8:30-9:30** | **Registration**<br>**Room: 117** | |
| **9:30-10:30** | **Keynote Speaker 3: Yoichi Motomura**<br>**Chair: Yuji Yamada**<br>**Room: 120** | |
| **10:30-11:00** | **Coffee/tea Break (Room 118)** | |
| **11:00-12:00** | **Keynote Speaker 4: Thanaruk Theeramunkong**<br>**chair: Xijin Tang**<br>**Room: 120** | |
| **12:00-13:30** | **Lunch (Room 122)** | |
| | **Parallel Sessions** | |
| | **Room: 119** | **Room: 120** |
| **13:30-15:10** | **Session 5: Knowledge in Online Systems**<br>**Chair: Jiang Wu**<br>**5 talks** | **Session 6: Societal and Emergency Management**<br>**Chair: Xijin Tang**<br>**5 talks** |
| | **43 When We Talk About Medical Service, What Do We Concern? A Text Analysis of Weibo Data**<br>　Ke Wang, Chaocheng He, Lin Wang and Jiang Wu | **57 Generating Risk Maps for Evolution Analysis of Societal Risk Events**<br>　Nuo Xu and Xijin Tang |
| | **28 How individuals' Activity Influence Opinion dynamics in online social network**<br>　Jun Zhang, Haoxiang Xia and Peng Li | **111 Modeling Method of Concurrent Emergency Chain based on Bayesian Network**<br>　Xuelong Chen, Kun Jiang, Yanzhang Wang, Xiaoyan Su |
| | **113 The Combination Feature of External Knowledge Components with Organizational Knowledge Base--A Patent-based Analysis on Global Top 100 Innovators**<br>　Nuoyu Xu, Tieju Ma | **Abs-17 The Improved Social Force Model and Its Simulation Research Considering Guiding Behavior of crowd evacuation**<br>　Qiuyan Zhong, Sa Zhao, Shuyuan Liang |

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| | **Abs-4 Consumers' Social Learning about Videogame Consoles through Multiple Website Browsing**<br>　Hiroshi Onishi | **24 The Use of Event-Based Modeling and System-Dynamics Modeling in Accident and Disaster Investigation**<br>　Xiangting Chen and Xiao Liu |
| | **109 The Role of Peripheral Participants in Online Knowledge Collaboration**<br>　Yan Lin | **112 Model and Method for Emergency Knowledge Management based on Knowledge-unit Model**<br>　Lei Zhang , Yanzhang Wang, Ning Wang, Chengwei Zhang |
| **15:10-15:40** | **Coffee/tea Break** | |
| **15:40-17:20** | **Session 7: Knowledge Management in Services**<br>**Chair: Mina Ryoke**<br>**5 talks** | **Session 8: Data Mining in Business Applications**<br>**Chair: Wen Zhang**<br>**5 talks** |
| | **51 A Study on Constructing KM System for Laboratories Based on the Three-stage EDIS Spiral**<br>　Bingfei Tian, Jianwen Xiang, Ming Yang, Dongdong Zhao and Jing Tian | **16 Link Prediction based on Supernetwork Model and Attention Mechanism**<br>　Yuxue Chi and Yijun Liu |
| | **50 Identifying Factors that Impact on the Learning Process of Sewing Workers on an Assembly Line**<br>　Thanh Quynh Le and Van Nam Huynh | **33 Research on Forest Fire Processing Scheme Generation Method based on Belief Rule-Base**<br>　Yan Xu, Ning Wang, Xuehua Wang, Zijian Ni, Huaiming Li and Xuelong Chen |
| | **39 How Do You Reduce Waiting Time?**<br>　Keiichi Ueda and Setsuya Kurahashi | **116 Using Machine Learning Approaches to Identify the Core Technology Combinations in Rehabilitation Robot Area**<br>　Ming Li, Hongbin Yan |

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| | **119 A Risk Management Tool for Solar Power Businesses using Prediction Error Weather Derivatives**<br>Takuji Matsumoto, Yuji Yamada | **122 CluMA-RP: A Novel Approach to Rating Prediction Based on Clustered Matrix Approximation**<br>Wen Zhang, Zechuan Yu, Xiangjun Li, Benhai Yu |
| | **37 Kansei Knowledge Extraction as Measure of Structural Heterogeneity**<br>Mina Ryoke and Tadahiko Sato | **22 An improved Short Pause based Voice Activity Detection using Long Short-Term Memory Recurrent Neural Network**<br>Kiettiphong Manovisut, Pokpong Songmuang and Nattanun Thatphithakkul |
| **17:30-17:50** | **Closing session<br>Xijin Tang<br>Room: 120** | |
| **18:00-20:00** | **Banquet (La Croce)** | |


| **Tuesday, November 27, 2018 (Day 3)** | |
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| **9:00-12:00** | **Scientific Visit** |