

# The 18th International Symposium on Knowledge and Systems Sciences (KSS2017)

## Artificial Intelligence and Information Systems for Knowledge, Technology and Service Management

Ramada Plaza Menam Riverside, Bangkok, Thailand, November 17-19, 2017

<http://aiat.in.th/kss2017>



The 18th international symposium on Knowledge and Systems Sciences (KSS2017) is the annual meeting by the International Society for Knowledge and Systems Sciences (<http://www.iskss.org/>).

KSS2017 aims to promote the exchange and interaction of knowledge across disciplines and borders to explore the new territories and new frontiers. With over 17-year continuous endeavors, attempts to strictly define the knowledge science still go on with very tolerant, broad-based and open-minded approaches. Knowledge science and systems science can be used for one another as methodology and tool and benefit each other.

### Presidents

Jian Chen  
*IASCYS & Tsinghua University, China*  
Thanaruk Theeramunkong  
*SIIT, Thammasat University, Thailand*

### International Program Committee Co-Chairs

Huynh Van Nam, *JAIST, Japan*  
Thepchai Supnithi, *NECTEC, Thailand*  
Xijin Tang, *CAS Academy of Mathematics and  
Systems Science, China*  
Jiangning Wu, *Dalian University of Technology,  
China*

### Host:

Artificial Intelligence Association of Thailand  
(AIAT)

### Invited Keynote Speakers (confirmed)

Peter A. Gloor (MIT Center for Collective Intelligence, USA),  
**"From the Age of Emperors to the Age of Empathy"**  
Yoshitsugu Hayashi (Emeritus, Nagoya University and University of Chubu, Japan)  
**"QOL based on Urban Transport Planning Utilising ICT"**  
Ryosuke Shibasaki (University of Tokyo, Japan)  
**"Urban Computing using Big Data from Mobile Network"**  
Vilas Wuwongse (Thammasat University, Thailand)  
**"An Evolution-Theoretical Approach to the Analysis of Social Systems"**  
Minjie Zhang (University of Wollongong, Australia), **"Multi-agent Solutions for  
Supply-Demand Management in Smart Grid Markets"**

### Contact

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### Scopes of KSS2017

The presentations and papers are expected to cover but not limited to the following areas:

- Big data analytics
- Big data and culture
- Big data and education
- Big data and health
- Big data and Internet finance
- Big data and tourism
- Big data, social perception & societal management
- Collective intelligence
- Complex system modeling and complexity
- Creation of agent-based social systems sciences
- Data mining and text mining
- Data models and data management
- Database management
- Decision analysis and decision support systems
- Deep Learning
- Information fusion and Information quality
- Interactive design for exploratory analytics
- IoT for agriculture
- IoT for open innovation
- Knowledge creation, creativity support and awareness support
- Knowledge management and knowledge systems engineering
- Machine learning and pattern recognition
- Natural language processing
- Meta-synthesis and advanced modeling
- On-line social networks
- Opinion dynamics and opinion mining
- Problem structuring methods and systems methodologies toward wicked problems
- Recommendation systems
- Security analytics for big data management
- Semantic computing
- Service systems science
- Social dynamic network modeling and simulation
- Social media oriented knowledge discovery
- Urban computing and smart city
- Visual analytics

Deadline for Full-Length Papers: ~~July 10~~ **July 30** Notification of Acceptance: **Camera Ready & Copyrights**  
Deadline for Abstracts (2-3pages): **September 4** **August 21** **September 4**

Full-length submission url: <https://easychair.org/conferences/?conf=kss20170>. KSS2017 proceedings will be published as one volume of **Communications in Computer and Information Science (CCIS)** series by Springer. Selected papers will be selected into special issues by **Journal of Systems Science and Systems Engineering** (Springer, SCI indexed) and **Journal of Systems Science and Information**. Abstracts will be collected into program. Special sessions fit for KSS2017 theme are also welcome.

