The 20th International Symposium on Knowledge and Systems Sciences (KSS2019)
Knowledge Science in the Age of Big Data
Da Nang, Vietnam, November 29 - December 1, 2019

http://www.jaist.ac.jp/KSS/KSS2019/

The 20th international symposium on Knowledge and Systems Sciences (KSS2019) is the annual meeting by the International Society for Knowledge and Systems Sciences (http://www.iskss.org/).

KSS2019 aims to promote the exchange and interaction of knowledge across disciplines and borders to explore the new territories and new frontiers. With over 19-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*)
Nguyen-Bao Le (*Duy Tan University, Vietnam*)

International Program Committee Co-Chairs

Van Nam Huynh (*JAIST, Japan*)
Xijin Tang (*CAS Academy of Mathematics and Systems Science, China*)
Jiangning Wu (*Dalian University of Technology, China*)

Organizing Committee Chair

Gia-Nhu Nguyen *(Duy Tan University, Vietnam)*

Host:

Duy Tan University, Vietnam

Invited Keynote Speakers (confirmed)

Zengru Di (Beijing Normal University, China), "***Understanding Science by Network analysis***"

Canh-Hao Nguyen (Kyoto University, Japan), "**Structured Learning for Biomedical Domain**"

Takashi Hashimoto (JAIST, Japan),"***Emergent Constructive Approach to Language: Computer Simulation, Laboratory Experiment and Brain Measurement***"

Nam Nguyen (IFSR; Malik Institute, Switzerland), "***Malik Ecopolicy and Sensitivity Model – a cybernetic simulation 'game' for learning about systems thinking and a systems tool for dealing with complex problems***"

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Scopes of KSS2019

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

- Affective engineering / Kansei engineering
- Agent-based social systems sciences
- Big data analytics
- Big data, culture and tourism
- Big data and education
- Big data and healthcare
- Big data and Internet finance
- Big data, social perception & societal management
- Collective intelligence
- Complex system modeling, complex networks and complexity science
- Data mining and text mining
- Decision analysis and decision support systems

- Deep Learning
- Disaster and emergency management
- Ecosystem, energy and market
- Information fusion and Information quality
- Interactive design for exploratory analytics
- 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 22	Notification of Acceptance:	Camera Ready & Copyrights
Deadline for Simple Abstracts:	September 4	August 20	September 4

Full-length submission url: **https://easychair.org/conferences/?conf=kss2019**. All full-length submission will be double-blinded reviewed by at least 3 technical committee members. KSS2019 proceedings will be published as one volume of **Communications in Computer and Information Science (CCIS)** series by Springer. Selected papers will be recommended to one special issue of **Journal of Systems Sciences and Systems Engineering** (Springer, SCI journal).