



International

Innovation in Knowledge Based and Intelligent Engineering Systems



INVITED SESSION SUMMARY

Title of Session:

Generative AI and Data-Driven Intelligent Optimization for Decision Making

Name, Title and Affiliation of Chair:

Chair: Xiangpei Hu, Professor, Dalian University of Technology, Dalian, China

Co-Chair: Minfang Huang, Professor, North China Electric Power University, Beijing, China

Co-Chair: Yonggang Li, Associate Professor, Dalian University of Technology, Dalian, China

Details of Session (including aim and scope):**Aim**

Human society is now stepping to the digital intelligence Era. Large language models, smart objects and the ensemble of applications and services are enabling new ways of decision making, which drive us to develop intelligent systems and new decision-making paradigm. This invited session intends to provide an opportunity for researchers to introduce their recent achievements related with technologies for developing intelligent systems and data-driven optimization approaches for decision making.

Topics

Topics of interest include, but are not limited to:

- Generative AI and It's Applications
- Data-driven decision-making methods
- Artificial intelligence and expert systems
- Big data and business intelligence
- Emerging business models
- Hybrid intelligent systems
- Intelligent optimization
- Intelligent scheduling
- Intelligent transportation system
- Information and knowledge service based on context-awareness computing
- Intelligent information systems
- Intelligent manufacturing systems
- Knowledge-based systems
- Knowledge discovery and data mining
- Quality management under IoT
- Real-time systems

Important Date

Submission of papers: 15 April, 2026

Notification of acceptance: Around 15 May, 2026

Final paper publication files to be received by: 31 May, 2026

Early / Authors Registration Deadline: Same to KES conference deadline

Main Contributing Researchers / Research Centres (tentative, if known at this stage):

Dalian University of Technology, Dalian, China

North China Electric Power University

Southeast University

Website URL of Call for Papers (if any):**Email & Contact Details:**

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