



# Second IEEE International Conference on **Artificial Intelligence and Knowledge Engineering**

April 24-26, 2019  
The Hills Hotel, Laguna Hills, California  
<http://www.ieee-aike.org>

## **CALL FOR PAPERS**

Artificial Intelligence (AI) is concerned with computing technologies that allow machines to see, hear, talk, think, learn, and solve problems. The huge potential of applying AI for problem solving represents an exciting future that business objectives can be achieved much more effectively. In addition, business-business, business-customer, and customer-customer may be interconnected in a revolutionary way to stimulate tremendous amount of interesting activities. A core of AI is Knowledge Engineering that addresses the acquisition, understanding, description, storage, integration, processing, control, and use of knowledge, among others.

The Second IEEE International Conference on Artificial Intelligence and Knowledge Engineering (AIKE 2019) is an international forum for academia and industries to exchange visions and ideas in the state of the art and practice of Artificial Intelligence and Knowledge Engineering, as well as to identify the emerging topics and define the future of Artificial Intelligence and Knowledge Engineering. Topics of interest include, but are not limited to:

## **TOPICS OF INTEREST**

- Syntactic and semantic aspects of knowledge
- Knowledge management
- Distributed knowledge and processing
- Real-time knowledge and processing
- Hardware and software of knowledge systems
- Knowledge understanding and modelling
- Knowledge discovery
- Query and optimization
- Integrity, security, and fault tolerance
- Machine and deep learning of knowledge
- Knowledge integration
- "Big Knowledge" and reduction
- Performance evaluation
- Communicating knowledge and agents
- Multi-modal interaction
- Applications

## **SUBMISSIONS**

Authors are invited to submit an 8-page (regular), 4-page (short), and 2-page (demo and poster) manuscript in double-column IEEE format following the guidelines available on the AIKE 2019 web page. The conference proceedings will be published by the IEEE Computer Society Press. Technical papers with distinguished quality presented at the conference will be selected for publication in internationally renowned journals.

**Workshop proposals deadline: January 24, 2019**  
**(Regular, Short, Poster, Demo) Paper submission deadline: February 15, 2019**  
**Notification of acceptance: March 15, 2019**

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