

## About the Conference

Real-Time Computing covers a broad spectrum of the intensively developing area of low-latency priority-driven system responsiveness under certain time constraints to essential and decisive human-computer interactions with constantly incoming data stream. Research on real-time intelligent systems is of a multi-disciplinary nature, exploiting concepts from the areas as diverse as signal processing technologies, computational intelligence, location systems, data processing, digital document processing and embedded system design. To accomplish its real-time performance, systematic analysis is carried out when the systems are working.

Therefore, over the last few years real-time intelligent computing has radically transformed human life style. In the today's competitive and highly dynamic environment, analyzing data in real time is a must to understand in detail how the systems are processing the data and to reason the outputs and anticipate the trends in intelligent computing, has become critical.

To leverage the full potential of the opportunity build complex real time systems, intense research is required and this conference will serve as one such platform to manifest the ongoing research in the real time intelligence system.

The conference welcomes theoretically grounded, methodologically sound research papers from academia and industry that address variety of aspects and innovations related to real-time computing systems.

The scope of the conference includes, but is not limited to the following areas:

- Streaming data, streaming engines
- Big Data systems and applications for high-velocity data
- Analysis in advanced domains such as energy, sensors, etc
- Cloud Computing and Intelligence
- Collaborative Intelligence
- Crowdsourcing and crowd intelligence
- Data capture in real-time
- Data mining, analytics, and OLAP for real-time decision support
- Data quality and cleansing
- Event-driven analytics
- Visualizing real-time data and information
- Privacy and security in Intelligence
- Architectures for Intelligence
- Internet of Things
- Smart Services and Platform
- Mobile Smart Systems
- Trace-based real-time services (eye-tracking, image tracking)
- Real-time alert systems

- Machine translation in real time
- Multilingual information access
- Adaptive vision algorithms
- Real-time networks
- Real-time distributed coding
- Real-time modelling user's information needs
- Real-time noise removal systems
- Real-time communication
- Real-time remote access systems
- Decision support systems in real time
- Real-time multiprocessors systems

### **Important Dates**

Paper Submission: December 15, 2015

Paper Notification: January 15, 2016

Camera ready: February 25, 2016

Registration: March 02, 2016

Conference Dates: March 14-16, 2016

### **General Chairs**

Jolanta Mizera-Pietraszko  
Opole University, Poland

### **Program Chairs**

Bingliang Gao  
Hangzhou Dianzi University  
China

Pit Pichappan  
DIR Labs,  
India & UK

### **Program Co-Chair**

Carsten Maple,  
University of Bedfordshire, UK

### **Workshop Chair**

Ricardo, Rodriguez  
Technological University of Ciudad Juarez  
Mexico

**The Seventh International Conference on the Applications of Digital Information and Web Technologies (ICADIWT 2016)**

**National Taipei University,**

**Taipei Taiwan**

**(March 29-31, 2016)**

**Proceedings will be published in IOS Press series (Frontiers in Artificial Intelligence and Applications (FAIA))**

The Seventh International Conference on the Applications of Digital Information and Web Technologies (ICADIWT 2016) is a forum for scientists, engineers, and practitioners to present their latest research results, ideas, developments and applications in the areas of Computer Communications, Communication networks, Communication Software Communication Technologies and Applications, and other related themes.

This conference (ICADIWT Edition VI) will include presentations of contributed papers and state-of-the-art lectures by invited keynote speakers.

This conference welcomes papers address on, but not limited to, the following research topics:

- Internet Communication
- Internet Technologies
- Web Applications
- Internet Software
- Data Access and Transmission
- Digital Communication Software
- Digital Networks
- Web Communication Interfaces
- Internet Content Processing
- Internet of Things
- Internet of Everything
- Data Communication
- Databases and applications
- Web Systems Engineering Design
- Intelligent Agent systems
- Semantic Web Studies
- Adaptive Web applications and personalization
- Navigation and hypermedia
- Digital signal processing
- Communication and control systems and networks
- Hardware and software solutions
- Innovative eHealth, Applications and Products
- Medical Image Analysis and Biomedical Visualization
- Computer-Aided Diagnosis
- Telemedicine, Telehealth and Remote Monitoring
- Human factor

- Software reliability
- Computational Intelligence
- Data mining and Knowledge discovery
- Education, e-learning

**Proceedings:**

The accepted full papers will be published in the IOS series (Frontiers in Artificial Intelligence and Applications (FAIA)) and submitted for inclusion in many indexes. Accepted full papers will be submitted for indexing to multiple abstract and indexing partners. The papers will be indexed in many databases as given at <http://www.frontiersinai.com/?q=indexing> (papers in EI will be indexed as Journal Article)

All the accepted papers will be published in Scopus and or SCI indexed journals

- ◆ Journal of Computer and System Sciences/ (ISI/Scopus)
- ◆ Journal of Digital Information Management (Scopus/EI)
- ◆ International Journal of Computational Science and Engineering (Scopus and EI Indexed)
- ◆ Decision Analytics
- ◆ International Journal of Big Data Intelligence
- ◆ International Journal of Applied Decision Sciences (Scopus/EI)
- ◆ International Journal of Management and Decision Making (Scopus/EI)
- ◆ International Journal of Strategic Decision Sciences
- ◆ International Journal of Enterprise Information Systems (Scopus/EI)

**Honorary Chair**

Dalton Lin, National Taipei University, Taiwan  
 Jang-Ping Sheu, National Tsing Hua University, Taiwan  
 Vincenzo Piuri, Università degli Studi di Milano, Italy

**General Chairs**

Yao-Liang Chung, National Taipei University, Taiwan  
 Jolanta Mizera-Pietraszko, Opole University, Poland

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**Program Chairs**

Simon Fong, University of Macau, Macau  
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**Program Co-Chairs**

Adrian Florea, University "Lucian Blaga" of Sibiu, Romania  
 Chih-Lin Hu, National Central University, Taiwan

submissions at <http://www.socio.org.uk/icadiwt/paper-submission/>  
 Email: [icadiwt@socio.org.uk](mailto:icadiwt@socio.org.uk)

<b>Important Dates</b>	
Submission of papers	January 01, 2016
Camera ready	February 28, 2016
Registration	February 28, 2016
Conference Dates	March 29-31, 2016