



**WCRAI  
2019**

2nd World Conference on  
**Robotics and  
Artificial Intelligence**  
June 10-12, 2019 | Osaka, Japan

**Theme:**  
**Future Scope in the field of Robotics and  
Artificial Intelligence**

Dear All,

Scientific federation welcomes you to attend the 2nd world conference on Robotics and Artificial Intelligence which is going to be held in Osaka, Japan during June 10-12, 2019.

We cordially invite all the participants who are interested in sharing their knowledge and research in the area of Robotics and Artificial Intelligence.

WCRAI-2019 anticipates more than 300 participants around the globe with thought provoking Plenary Talks, keynote lectures, Oral Presentations and Poster Presentations, Symposiums and Workshops. The attending delegates include Editorial Board Members of related International Journals. This is an excellent opportunity for the delegates from Universities and Institutes to interact with the world class Scientists. This will bring together world leaders in their respective fields in the fascinating environment of Osaka, Japan. WCRAI-2019 Conference is to explore Current Issues and Recent Advancements in robotics and Artificial Intelligence technologies. The aim of the WCRAI-2019 is to promote quality research and real-world impact in an atmosphere of true international cooperation between scientists by bringing together again the world class researchers, International Communities and Industrial heads to discuss the latest developments and innovations in the fields of Robotics and Artificial Intelligence with colleagues from different countries and other parts of Japan.

## ○ Conference Objectives

- To facilitate opportunities for networking, collaboration and exchange of ideas with internationally renowned leaders in Robotics and Artificial Intelligence.
- To identify research and practice based innovations in optimizing Robotics and Artificial Intelligence research and development.
- To discuss and debate the challenges and opportunities in the new era of optimizing Global Strategy on Robotics and Artificial Intelligence research and development reforms.

**We are looking forward to seeing you at WCRAI-2019 in Osaka, Japan...!!!**

**Best Regards  
WCRAI-2019  
Organizing Committee**

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## ○ Conference Highlights

The Scientific Federation brings you an immense opportunity to be a part of scientific acceleration to world class personalities, young scholars, scientific delegates and young scientists to join in this forum to utilize the expertise and novelties that brings a new era for innovations in the field of Robotics and Artificial Intelligence which brings well versed scrutinizers at one place. It provides a platform to have open discussions, knowledge sharing and interactive sessions with field experts at Robotics and Artificial Intelligence-2019.

- ◆ **Robotics**
- ◆ **Machine Learning Methods**
- ◆ **Artificial Neural Networks**
- ◆ **Adaptive Control**
- ◆ **Bayesian Networks and Bayesian Reasoning**
- ◆ **Fuzzy Sets and Soft Computing**
- ◆ **Intelligent Information Systems**
- ◆ **Data Mining and Integration**
- ◆ **Neuro and Fuzzy logic controller for robotics**
- ◆ **Information Retrieval and Fusion**
- ◆ **Robotics, Perception and Computer Vision**
- ◆ **Robot Sensing and Mobile Sensor Networks**
- ◆ **Human-Machine Interaction/ Presence**
- ◆ **Intelligent User Interfaces**
- ◆ **Signal and Image Processing**
- ◆ **Natural Language Processing**
- ◆ **Agent and Multi-Agent Systems**
- ◆ **Cognitive Systems**
- ◆ **Machine Learning Methods**
- ◆ **Knowledge Representation, Reasoning and Logic**
- ◆ **Artificial Intelligence Applications**
- ◆ **Multidisciplinary Topics and Applications**
- ◆ **Computer Vision**
- ◆ **Computational Intelligence**

Abstract submission link: <https://scientificfederation.com/wcrai-2019/abstract-submission.php>

Registration link: <https://scientificfederation.com/wcrai-2019/registration.php>

Email: [wcrai-2019@scientificfederation.com](mailto:wcrai-2019@scientificfederation.com)

Website URL: <https://scientificfederation.com/wcrai-2019/>



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## ○ Organizing Committee Members



**Fairouz Kamareddine**  
Heriot-Watt University  
United Kingdom



**Ishfaq Ahmad**  
The University of Texas  
at Arlington, USA



**Nicolas H Younan**  
Mississippi State University  
USA



**Onder Turan**  
Anadolu University  
Turkey



**Minoru Sasaki**  
Gifu University  
Japan

## ○ Plenary Speakers



**Yingxu Wang**  
University of Calgary  
Canada



**Andrew Goldenberg**  
University of Toronto  
Canada



**Mel W. Torrie**  
Founder, Autonomous  
Solutions, Inc., USA



**Hoong Chuin Lau**  
Singapore Management  
University, Singapore

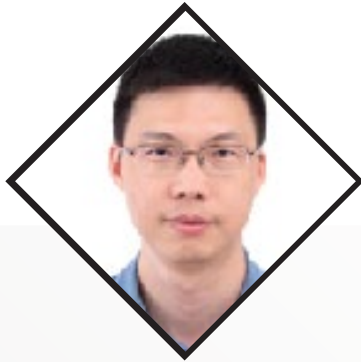


**Zheng Hong (George) Zhu**  
York University  
Canada

## ○ Keynote Speakers



**Sergey V. Ulyanov**  
Dubna State University  
Russia



**Guoqiang Hu**  
Nanyang Technological  
University, Singapore



**Abdurazzag Ali Aburas**  
University of Kwazulu Nata  
South Africa



**Eduard Babulak**  
ZIGURAT, Global Institute  
of Technology, Spain



**Richard M. Satava**  
University of Washington  
Medical Center in Seattle,  
USA

## ○ About Venue

**Osaka** is the second largest city in Japan and the 13th largest city in the world, with a population of about 10.5 million people. Situated on a sheltered bay, it is also the commercial, shipping and industrial center of western Japan, the second major gateway to Japan after Tokyo. . Osaka has traditionally been regarded as a city of merchants while Tokyo traditionally has had a reputation of being a city of bureaucrats and samurai. Osaka is also noted as the birthplace of traditional Japanese theatricals like Kabuki and Bunraku puppet dramas and as the site of some of Japan's most important battles. Japan is of gigantic importance to the U.S. and to the world. This nation \_ of a mere 127 million in population squeezed onto one relatively small island \_ developed into the second-largest economy in the world

In the 5th century, Osaka began to flourish as the political and economic center of Japan. Naniwazu Port, the predecessor to the modern port of Osaka, became a gateway into ancient Japan for visitors from Korea, China and the Asian continent. These visitors brought with them knowledge and artifacts of advanced culture, and new technologies in ceramics, forging, construction, and engineering. They also brought with them a new religion, Buddhism, which very quickly began to spread to the rest of the country.

## ○ Chair of the Conference

**Yingxu Wang** is professor of cognitive systems, brain science, software science, and denotational mathematics. He is the Founding President of International Institute of Cognitive Informatics and Cognitive Computing (ICIC, <http://www.ucalgary.ca/icic/>). He is Fellows of BCS, ICIC and WIF, P.Eng of Canada, and Senior Members of IEEE and ACM. He has held visiting professor positions at Oxford University (1995), Stanford University (2008 | 2016), UC Berkeley (2008), and MIT (2012), respectively. He received a PhD in Computer Science from the Nottingham Trent University, UK, in 1998 and has been a full professor since 1994. He is the founder and steering committee chair of the annual IEEE International Conference on Cognitive Informatics and Cognitive Computing (ICCI\*CC) since 2002. He is founding Editor-in-Chiefs of Int'l Journal of Cognitive Informatics & Natural Intelligence, Int'l Journal of Software Science & Computational Intelligence, and Journal of Mathematical & Computational Methods. He is Associate Editor of IEEE Trans. On Cognitive and Development Systems (TCDS) and IEEE Computer Society Representative to the steering committee of TCDS. Dr. Wang is the initiator of a few cutting-edge research fields such as cognitive informatics, denotational mathematics (concept algebra, process algebra, system algebra, semantic algebra, inference algebra, big data algebra, fuzzy truth algebra, fuzzy probability algebra, fuzzy semantic algebra, visual semantic algebra, and granular algebra), abstract intelligence (ai), the spike frequency modulation (SFM) theory, mathematical models of the brain, cognitive computing systems, cognitive learning engines, and the cognitive knowledge base theory. His work and basic studies have been across contemporary disciplines of intelligence science, robotics, knowledge science, computer science, information science, brain science, system science, software science, data science, neuroinformatics, cognitive linguistics, computational intelligence, and engineering systems. He has published 490+ peer reviewed papers and 36 books in aforementioned transdisciplinary fields. He has presented 44 invited keynote speeches in international conferences. He has served as general chairs or program chairs for 28+ international conferences. He has led 10+ international, European, and Canadian research projects as PI by intensive collaborations with renowned peers and leading industrial partners. He is the recipient of dozens international awards on academic leadership, outstanding contributions, best papers and teaching in the last three decades. He is a top 2.5% scholar worldwide and top 10 at University of Calgary according to Research Gate's international statistics.



**Yingxu Wang**  
**University of Calgary, Canada**

○ **Important Dates**

**Abstract Submission Dead Line: May 20, 2019**

**Registration Opens: June 11, 2018**

**Early Bird Registration: January 11, 2019**

**Standard Registration: May 20, 2019**

**On spot registration: June 10, 2019**

○ **Venue**

**ANA Crowne Plaza  
Osaka, Japan**

○ **Attractions**

