

Welcome Message from the Chairpersons

On behalf of the steering and organizing committees, it is our great pleasure to welcome you to the twenty-fourth annual IEEE International Conference on Computational Intelligence and Virtual Environments for Measurement Systems and Applications (IEEE CIVEMSA 2019), held in Tianjin, China, on June 14-16, 2019.

This conference is co-sponsored by the IEEE Computational Intelligence and IEEE Instrumentation and Measurement Societies. It focuses on all aspects of computational intelligence, virtual environments and human-computer interaction technologies for measurement systems and related applications. We believe that the organizing and steering committees have put together a very exciting and interesting program. This latter includes peer-reviewed papers that highlight standpoints on some latest recent advances to address some critical computational intelligence challenges for intelligent measurement, virtual reality systems, machine & deep learning for intelligent systems, and applications. Additionally, to acknowledge excellence and merit in a conference paper candidate, we organized an IEEE Best Paper Award and a Student Paper Competition, from the IEEE co-sponsors societies, based on paper novelty, clearness, ingenuity and groundbreaking research in the respective area.

We believe that the keynote speaker topic shelters a highly relevant set of materials that we trust will bring some conference participants to share viewpoints and thoughts on this topic. In particular, the two-day conference program aims to provide a forum for the attendees to carry out presentations, information exchanges, and extensive discussions on theory, methodology and application in the field of interest of the conference. This is as well as to foster networking, planning for future collaborations and new research projects that will further advance the use of computational intelligence and virtual environments in the instrumentation and measurement field and the related applications. We hope the conference will foster and discuss opportunities and challenges in using computational intelligence and virtual environments breakthroughs aiming to the advancement of instrument performance and measurement capabilities, and all related applications in a broad spectrum of areas. To promote interaction and discussion in the audience, sufficient time is allocated to presenters not only to introduce their achievements, but also to engage in extended discussions with the participants.

This year we have participants from more than eight countries. Participants are welcome to benefit from the rich research work that will be presented and enjoy the hospitality and diversity of Tianjin. The town is the largest opening coastal city in North China and one of the National Famous Historical and Cultural Cities in China. Tianjin plays a prominent role in China's modern history and can be viewed as an epitome of modern history of China. The blend of Chinese and Western cultures forms Tianjin's distinctive human resources.

Welcome Message from the Chairpersons

We hope you will find IEEE CIVEMSA 2019 a challenging and productive experience, celebrating the twenty third-year anniversary of this conference, since its inception in 1996 as “*IEEE Workshop on Emerging Technologies for Instrumentation and Measurement*”. We trust that you will also enjoy the location, the culture and the food: Tianjin will be an exciting experience!

We are looking forward to meeting everyone at the conference in June.

Honorary Chairs Vincenzo Piuri, *Università degli Studi di Milano, Italy*
Emil M. Petriu, *University of Ottawa, Canada*

General Chairs Yong Hu, *The University of Hong Kong & Chinese Academy of Medical Sciences, China*
Dong Ming, *Tianjin University, China*
Mel Siegel, *Carnegie Mellon University, USA*

Program Chairs Yonghua Chen, *The University of Hong Kong, China*
Guizhi Xu, *Hebei University of Technology, China*
Angelo Genovese, *Università degli Studi di Milano, Italy*