



# WORLD AUTOMATION CONGRESS

## WAC 2024

16th Bi-annual Congress

Playa Paraiso Riviera Maya, Mexico

Dates: September 22-26, 2024

Venue: Iberostar selection paraiso maya suites  
5 \*\*\*\*\* all-inclusive resort

Resort's website:

[https://www.iberostar.com/en/hotels/riviera-maya/iberostar-paraiso-maya/?utm\\_source=google&utm\\_medium=organic&utm\\_campaign=IBSVOL\\_AME\\_SEOLOC\\_GMB\\_NA\\_EN\\_MEX\\_ROO\\_CUN\\_PMY\\_PULL\\_NA\\_NA\\_NA\\_NA](https://www.iberostar.com/en/hotels/riviera-maya/iberostar-paraiso-maya/?utm_source=google&utm_medium=organic&utm_campaign=IBSVOL_AME_SEOLOC_GMB_NA_EN_MEX_ROO_CUN_PMY_PULL_NA_NA_NA_NA)

<https://tsiepress.com/wac/event/2024/>

Congress Theme: Applied Machine Learning and Artificial Intelligence for  
Autonomous Vehicles in the 21<sup>st</sup> Century

**Resort Reservation link:**

<http://booking.iberostar.com/groups/Book.aspx?groupid=2235&hash=b0b79da57b95837f14be95aaa4d54cf8>

**WAC 2024 is jointly in honor of four individuals.**



**Professor Duc T. Pham, PhD., Fellow-UK Royal  
Academy of Engineering, OBE  
University of Birmingham, UK**

**and**



**Distinguished Professor Diego Andina, Ph.D.**

**Universidad Politecnica de Madrid, Spain**

**and**



**Professor Yannis Phillis, Ph.D., FAAAS, FEASA  
Former Rector, Technical University of Crete, Greece**

**and**



**Professor Dr. Fred Hadaegh, F-IEEE, F-AIAA  
California Institute of Technology**

**Former, Chief Technologist, NASA JPL  
Pasadena, CA, USA**

**The WAC 2024 Operating Committees: WAC 2024 is being organized through two committees with dedicated members from all over the world.**

**Founding General Chairman: Mo Jamshidi**, University of Texas, San Antonio, TX, USA ([mo.jamshidi@utsa.edu](mailto:mo.jamshidi@utsa.edu))

**General Chairmen: Charles Nguyen**, Catholic University of America, DC, USA, [nguyen@cua.edu](mailto:nguyen@cua.edu)

**Co-General Chair: Jeff Prevost**, The University of Texas at San Antonio, USA, Jeff Prevost <[jeff.prevost@utsa.edu](mailto:jeff.prevost@utsa.edu)>

**Co-General chair: Yutaka Hata**, University of Hyogo, [hata@gsis.u-hyogo.ac.jp](mailto:hata@gsis.u-hyogo.ac.jp) Japan

**Co-General Chair: Syoji Kobashi**, University of Hyogo, [kobashi@eng.u-hyogo.ac.jp](mailto:kobashi@eng.u-hyogo.ac.jp)

**Program Committee: Kazu Kiguchi**, Kyushu University, Japan ([kiguchi@mech.kyushu-u.ac.jp](mailto:kiguchi@mech.kyushu-u.ac.jp))

**Co-chairs: Patrick Benavidez**, UTSA, USA ([patrick.benavidez@gmail.com](mailto:patrick.benavidez@gmail.com))

**Co-Chair: Kambiz Tehrani**, ESIGELEC, France, [tehrani.kambiz@yahoo.fr](mailto:tehrani.kambiz@yahoo.fr)

**Co-Chair: Alma Y. Alanis** Universidad de Guadalajara, Mexico ,( [alma.alanis@academicos.udg.mx](mailto:alma.alanis@academicos.udg.mx) )

**Publication Co-Chair: Ramin Sahba**, UTSA, USA ([ramin.sahba@gmail.com](mailto:ramin.sahba@gmail.com))

**Publication Co-Chair: Amin Sahba**, UTSA, USA (Amin Sahba <[amin.sahba@gmail.com](mailto:amin.sahba@gmail.com)>)

Finance Chair: **Mo Jamshidi**, The University of Texas at San Antonio

## **TOPICS:**

Robotics and Automation: **Kazuo Kiguchi**, Kyushu University, **Japan** ([kiguchi@mech.kyushu-u.ac.jp](mailto:kiguchi@mech.kyushu-u.ac.jp))

Cybersecurity: **Ilsun You**, Soonchunhyang University, **S. Korea** ([ilsunu@gmail.com](mailto:ilsunu@gmail.com))

Machine learning, Big Data Analytic and deep learning, Systems intelligence powered by big data: **Zheng Xu**, Shanghai University, **China** ([zhengxu@shu.edu.cn](mailto:zhengxu@shu.edu.cn))

Cyber Physical systems, smart factories, smart homes, industry 4.0: **Jenq-Haur Wang**, National Taipei University of Technology, **Taiwan** ([jhwang@csie.ntut.edu.tw](mailto:jhwang@csie.ntut.edu.tw))

Mechatronics, Mechatronics and applications, and Energy: **Ben Horan**: Deakin University, **Australia** ([ben.horan@deakin.edu.au](mailto:ben.horan@deakin.edu.au) )

Autonomous reconfiguration and AI: **Mohammad Rajabalinejad**, University of Twente, **the Netherlands** ([m.rajabalinejad@utwente.nl](mailto:m.rajabalinejad@utwente.nl))

Data Centers and Network systems: **Montri Wiboonrat**, King Mongkut's Institute of Technology Ladkrabang, **Thailand** ("[montri.wi@kmitl.ac.th](mailto:montri.wi@kmitl.ac.th)")

Manufacturing and automation: **Nguyen Dinh Duc**, Vietnam National University, Hanoi ([ducnd@vnu.edu.vn](mailto:ducnd@vnu.edu.vn))

**Other TOPICS:** Smart Cities, Smart Living, Non Binary Computing, Lounge Room Manufacturing, Autonomy & autonomous systems, Human and public health, Covid-19 Pandemics including prediction, prevention and treatment, Support System for persons with disabilities, Space technologies, Tele-medicine, Analytics & Data Science, Community Safety, Entertainment, Information, Tele-Operation, Education, Tele-Diagnosis, Robotics, Climate Change, Sustainable Manufacturing, Circular Economy, Pandemic resilience in air transportation systems, System of systems - An framework for understanding advancement of Human Health amidst massive diversity, Models of community response to health care delivery innovations, telemedicine, AI-CAD (computer-aided-diagnosis), social simulation, home health care technologies, predictive medicine, smart healthcare, IOT based medical devices, Cybersecurity, Cyber Physical systems, smart factories, smart homes, industry 4.0:, Autonomous reconfiguration and AI: , Data Centers and Network systems: , Manufacturing and automation big data analytics for medical records, artificial intelligence for medical imaging, and mining medical literature with deep learning and natural language processing techniques. Situational awareness and Cyber security, Cyber-crime

defense and forensics, Next generation cellular network fraud and security, AI for Security and Security for AI, Intrusion Detection and Fraud Detection, Security and Privacy for E-Health, E-Payments, E-Voting, E-Commerce, Security and Privacy for Blockchain and Cryptocurrencies, Anti-malware techniques: detection, analysis, and prevention, Smart-remanufacturing, Supply Chain Resilience, Transfer Learning, Variable structure systems, Finite-time convergent algorithms, Embedded Vision and Ambient Intelligence, Mechatronics and Embedded Systems Education, Biomedical engineering, Renewable energy, Bioprocesses, neural anomaly detection and networks, Intelligent control (neural networks, fuzzy systems and neurofuzzy), Fault detection and diagnosis, Real time control applications, Nanoparticles, Biomaterial

**Schedule:**

**Time Schedule:**

Special Sessions & regular papers Due .....	<b>April 15, 2024</b>
Full papers (6 pages long)_with session title and perspective chairs	
Special Sessions of 4 papers Due .....	<b>April 15, 2024</b>
Full papers (6 pages long)_with session title and perspective chairs	
Acceptance .....	<b>June 20, 2024</b>
Final manuscripts upload and early registration .....	<b>August 1, 2024</b>
Congress .....	<b>September 22-26, 2024</b>