



**ASET** 2023  
February 20-23  
ADVANCES IN SCIENCE & ENGINEERING TECHNOLOGY

HCT - Dubai Men's Campus



The International Conference on  
**MECHATRONICS, INDUSTRY 4.0,  
IoT, AND THEIR APPLICATIONS**

**CALL FOR PAPERS**

Dear Colleagues,

The International Conferences on Mechatronics, Industry 4.0, IoT and Their Applications is a sub-conference of the Advances in Science and Engineering Technology (ASET) conference, organized by the Higher Colleges of Technology in the UAE. The aim of the mechatronics and applications conference is to bring together academicians, researchers, engineers, graduate and undergraduate students with government and non-government organizations to promote the understanding of mechatronics systems, their underlying science and technology, their applications to military and commercial endeavors and dissemination of new developments in the theory and practice of all the areas of mechatronics and robotics technology and Industry 4.0 and the Internet of Things (IoT). All papers presented at this conference and be will be submitted for publication in IEEE Xplore.

Please use the URL <https://edas.info/newPaper.php?c=29999> to submit your paper using EDAS. You may will need to register to EDAS.

The scope of the International Conferences on Mechatronics, Industry 4.0, IoT and Their Applications includes, but is not limited to the following major topics

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| ▶ Mobile Robotics, Unmanned Vehicles                 | ▶ Mechatronics in Energy Systems                                   |
| ▶ Parallel platforms and applications                | ▶ Modelling and Design   |
| ▶ Humanoid and social robotics                       | ▶ Energy efficient mechatronic systems                             |
| ▶ IoT and its Impact on Manufacturing                | ▶ Fault detection and Diagnosis in Mechatronics Systems            |
| ▶ Advanced Motion Control                            | ▶ Human-Machine Interface  |
| ▶ Vision and Intelligent Control                     | ▶ Mechatronics and Internet of Things                              |
| ▶ Systems Integration                                | ▶ Mechatronics applications in agriculture and regional industries |
| ▶ IoT Devices Applications & Examples                | ▶ Mechatronics applications in infrastructures                     |
| ▶ IoT trends, Growth & Predictions                   | ▶ Mechatronics applications in Health-care                         |
| ▶ Connected Living Services, Wearables, and Industry | ▶ Mechatronics applications in Transportation Systems              |
| ▶ Smart Cities                                       | ▶ Mechatronics applications in Aeronautics                         |
| ▶ IoT Impact on Security                             | ▶ Mechatronics applications in banking and Finance                 |
| ▶ Mechatronics in Education,                         | ▶ Mechatronics Applications in Cyber-Physical Systems              |
| ▶ Sensors and Actuators, Haptics and Networks        | ▶ Special Sessions   |
| ▶ Micro/Nano Mechatronics                            | ▶ Industry 4.0   |
| ▶ Vibration and Noise Control                        |  |

On behalf of the organizing committee, we would like to invite all colleagues, researchers, academicians and engineers around the world to submit their outstanding and valuable original research articles and review papers to this leading international conference.