

The 9th IEEE World Forum on the Internet of Things (IoT)

12–27 October 2023 // Aveiro, Portugal

Aveiro Congress Center

Hybrid: In-Person and Virtual

The Blue Planet: A Marriage of Sea and Space

Sponsored by the IEEE IoT Technical Community



INSTRUCTIONS AND CONSIDERATIONS FOR TUTORIAL PROPOSALS

1. Considerations

- 1.1 IEEE World Forum Internet of Things (WF-IoT 2023) solicits proposals for Tutorials that complement the regular program with clear and focused coverage in new and emerging topics within the scope of the conference. WF-IoT Tutorials enable the researchers, developers and practitioners from academia and industry to learn about the state-of-the-art research in IoT and related fields.
- 1.2 Preference will be given to Tutorials that address an aspect of the theme for IEEE WF-IoT 2023: “The Blue Planet: A Marriage of Sea and Space”.
- 1.3 The Tutorials should be either two (2) hours – a single session, or four (4) hours – two sessions in length. **They will be held as virtual live online sessions October 12th and October 13th, 2023.**
- 1.4 Proposals should concisely describe the motivation, the content, and the structure of the tutorial. IEEE WF-IoT 2023 seeks tutorial proposal submissions that address but are not limited to the following topics:

Possible Tutorial Topics (Non-exhaustive list)	
• IoT Enabling Technologies (Computing, Storage, Communications, Networking, AR/VR, 3D Printing)	• 5G and 6G Communications, Vehicular Technology (Connected Vehicles) for IoT
• IoT Design, System Interfaces, Integration and Testing & Validation Methods	• Multi media, Societal Impacts, Sustainability, Environment, Climate Change
• IoT Programming Models, Middleware and System Architectures	• Security, Privacy and Trust for IoT – including Cybersecurity, Software Supply Chains, Physical Security
• RFID, Sensor and Actuators for IoT, Distributed Sensor Networks, Space Based Sensors,	• Artificial Intelligence (ML, ANN), Computational Intelligence in IoT, AI/ML Software and Hardware
• Signal Processing, Communications, Networking and Computing Platforms for IoT (Embedded, Edge, Cloud, High Performance Computing, ...)	• IoT Experimental Results and Deployment Scenarios, Experiences from development of IoT Solutions (Ideation, Design, Development, Implementation, Operation, and Sustainment)
• Data Acquisition, Data Analytics, Big Data, and Data Storage, Data Curation, and Data Management for IoT	• IoT Applications and Services (Robotics, Drones, Manufacturing, Supply Chains, Smart Homes, Healthcare, Smart Cities,)
• IoT Platforms, Frameworks, Distributed Systems, Industry 4.0, Precision Agriculture, Digital Twins,	• Automation, Autonomy, Robotics,

2. Instructions

- 2.1** Please be prepared with all the material that you will need to make the proposal for a Tutorial. That includes information about you as the Tutorial Organizer (Presenter) well as information about your Co-Presenters and the proposed content for the Tutorial. **The deadline for Tutorial Proposal submissions is June 2, 2023.**
- 2.2** To enter the submission please go to the **eWorks** website which can be reached from the authors/proposer's tab from the main conference website page at <https://wfiot2023.iot.ieee.org> and follow instructions for a proposal submission.
- 2.3** The information about you and your Co-Presenters consists of: (1) Name and Salutation; (2) Institutional Affiliation; (3) Location; (4) Contact Information; (5) Your IEEE Membership Number if you are a member and your ORCID Number if you have one; (6) A recent high resolution headshot photograph in JPEG format; (7) a short biography (up to 250 words).
- 2.4** The additional information we will need includes: (1) a title for the Tutorial for which you are making the proposal; (2) a short abstract that describes the content of the Tutorial; (3) Key Words that are descriptive of the topic covered by the Tutorial; (4) Please upload a narrative description of the Tutorial in Word (.docx) format. The narrative should be **limited to four (4) pages** and include:

- *Title of Tutorial*
- *Abstract (250 words)*
- *Description of the Tutorial Proposal*
- *Objectives and motivation*
- *Novelty, highlighting the technical innovations presented in this tutorial*
- *Tutorial content, indicating the topics that the tutorial will cover in detail*
- *Tentative timeline schedule*
- *Tutorial Length: 2 hours (1 session) or 4 hours (2 sessions)*
- *Intended audience*
- *Prior history of the tutorial presentations and number of past attendees, if applicable*

2.5 You will be issued a unique **Proposal ID** number (**PID**) upon completion of your submission. Please retain a record of the number as it will be used for notification of acceptance or rejection and subsequent steps.

Notification after Acceptance

2.6 Once the proposal has been evaluated you will be notified whether the proposal has been accepted or rejected. Accepted proposals organizers **will** be notified and assigned a Tutorial identifier (Tuto-01, Tuto-02, ...Tuto-10) and issued an invitation to present at the conference and further instructions.

If you need any further clarification or information, please contact the Tutorial Committee Chairs:

Luis M. Correia, IST/INESC-ID, Univ. Lisbon, Portugal: luis.m.correia@tecnico.ulisboa.pt
Bala Krishna Maddali, Indraprastha University, New Delhi, India: m.bala.krishna@ieee.org