



Dear Colleague,

On behalf of all the organizers, we are pleased to invite you to take part in the **2024 IEEE International Humanitarian Technology Conference (IEEE IHTC)**, taking place in **Bari, Italy** from **27 to 30 November 2024**. The conference is **hybrid** involving both in-presence and remote attendees.

The IEEE International Humanitarian Technology Conference (IEEE IHTC) is an interdisciplinary conference series organized by IEEE Region 8 (Africa, Europe, and the Middle East), IEEE Region 7 (Canada), and IEEE Region 9 (Latin America and the Caribbean). Stakeholders from the public, private, education and research, and societal sectors around the world are invited to submit their contributions focused on showcasing challenges, success stories, lessons learned, case studies, and technological innovation related to achieving the United Nations' Sustainable Development Goals (SDGs), ICT4D, and the application of Humanitarian Technologies (including Disaster Relief and Disaster Recovery).



## CALL FOR PAPERS

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We invite authors to submit high-quality full papers reporting original and novel research results on all the above topics. Papers should be written in English, unpublished, and not submitted elsewhere. Full papers must be formatted as the standard IEEE double-column template (word, latex). A maximum of 7 pages are allowed for each paper, including all illustrations and references.

Accepted papers will be published in the IEEE IHTC 2024 Conference Proceedings. Full papers presented and discussed orally will be submitted for inclusion in the IEEE Xplore Digital Library. After the conference, the Program committee can select the best papers, in the limit of the 20%, for further review to be published in the IAS periodicals.

Further information and authors guidelines are reported [HERE](#).

## IMPORTANT DATES

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**We are excited to announce that, due to overwhelming interest and the desire to accommodate more valuable contributions, the submission deadline for the IEEE International Humanitarian Technologies Conference has been extended!**

This extension provides you with additional time to finalize your research, polish your findings, and submit your innovative papers. We believe that your contributions hold immense potential to drive positive change, address critical humanitarian challenges, and pave the way for impactful technological solutions.

We encourage you to take full advantage of this opportunity and submit your work before the updated deadline.

- **Full Paper Submission Date: September 10, 2024**
- Review Notification: from September 15, 2024
- Camera-ready Submission Date: September 30, 2024
- Early registration: October 15, 2024
- Conference: November 27-30, 2024

## TRACKS AND SPECIAL SESSIONS

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**TRACK 1 - CLEAN AND AFFORDABLE ENERGY**

**TRACK 2 - CRITICAL EVENTS AND ADVERSE LIVING CONDITIONS**

**TRACK 3 - LIFE QUALITY IMPROVEMENT**

The following Special Sessions are available for papers submission.

### **SPECIAL SESSION 1.1**

Smart villages, Microgrids for Rural Electrification and Local Energy Communities

*Organized by Nikos Hatziargyriou, João Peças Lopes*

### **SPECIAL SESSION 1.2**

Transmission and HVDC Infrastructures to Foster Large Renewable Projects

*Organized by: João Peças Lopes*

### **SPECIAL SESSION 1.3**

Renewable Energy for Future Green Rural Energy Communities: Technologies, Integration, and Operation

*Organized by: Riccardo Leuzzi, Hamzah Beiranvand*

### **SPECIAL SESSION 1.4**

Optimization, sustainability & resilience of energy distribution systems and final uses

*Organized by: Kresimir Bakic, Giuditta Pisano, Massimo Pompili*

### **SPECIAL SESSION 1.5**

Solutions and resources for ensuring grid adequacy and supply accessibility

*Organized by: Francisco Gonzalez-Longatt, Giuseppe Forte*

**SPECIAL SESSION 1.6**

Improving living standards through advanced technologies for optimal energy management strategies and Transactive Energy Frameworks

*Organized by: Jie Wang, Yang Mi*

**SPECIAL SESSION 1.7**

Cyber-Physical Energy Systems for Increasing Clean and Affordable Energy Solutions

*Organized by: Quoc Tuan TRAN, CEA-LITEN, National Institute for Solar Energy, Phuong Nguyen, Le Anh Tuan*

**SPECIAL SESSION 2.1**

Remote Sensing for Humanitarian Purposes

*Organized by: Ferdinando Nunziata, Fabio Bovenga*

**SPECIAL SESSION 2.2**

Strengthening the Resilience of the Power System Against Natural Disasters

*Organized by: Nikos Hatziaargyriou*

**SPECIAL SESSION 3.1**

Integrated Networks and Services Toward Ubiquitous and Sustainable Digitalization

*Organized by: Giuseppe Piro, Maria Rita Palattella*

**SPECIAL SESSION 3.2**

Biomedical Engineering: a Technological Support to Equity in Healthcare

*Organized by: Anna M. Bianchi, Leandro Pecchia*

**SPECIAL SESSION 3.3**

Innovative Teaching Methods, Virtual Labs, and Technologies for Remote Learning and Training

*Organized by: A. Vaccaro, Ahmed Zobaa, Sergio Bruno*

**SPECIAL SESSION 3.4**

New Frontiers in Electromagnetic and Optical Solutions for Improving Quality of Life

*Organized by: Giovanni Magno, Ilaria Marasco*

**SPECIAL SESSION 3.5**

Diversity Equity and Inclusion in Engineering

*Organized by: Salma Al Arefi, Femi Adeyemi-Ejeye, Vishal Sharma*

**SPECIAL SESSION 3.6**

Innovative approaches to “human-centered” teaching

*Organized by: Andrea Mazza, Carmen L. T. Borges*

***Are you interested in organizing a Special Session? Please contact the IEEE IHTC 2024 Committee through the form available online at***

***<https://2024.ieee-ihtc.org/special-session-proposals/>***

## PLENARY SESSIONS (DRAFT)

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Wednesday November 27<sup>th</sup>

### Future Environmental & Humanitarian Challenges

**Confirmed Panelists:**

**Stefano Besseghini** *Italian Energy Regulation Agency,*

**Marcello Capra** *(representative of the Italian Ministry of Environment and Energy Security in the European Strategic Energy Technology Plan)*

**René Garrello**, *Chair of Ocean Best Practices Systems (OBPS) - UNESCO/IOC/IODE, President of IEEE Oceanographic Society and France Section*

**Valeria Termini** *CNEL National Council of Economy and Occupation*

**Soichiro Yasukawa** *Chief of the Disaster Risk Reduction Unit - UNESCO Natural Science Sector*

Thursday November 28<sup>th</sup>

### Energy Transition in Europe, Africa and Middle East

**Confirmed Panelists:**

**Alberto Biancardi**, *Vice-Chair of the Committee on Sustainable Energy at United Nations Economic Commission for Europe (UNECE), Vice Chair of OMEC's Strategy and International Cooperation Committee,*

**Franco Cotana**, *CEO RSE (Ricerca Sistema Energetico)*

**Francesco Del Pizzo**, *Executive Vice President Grid Development Strategies and Dispatching of Terna S.p.A.*

**Giorgio Graditi**, *General Director (ENEA)*

**Vincenzo Ranieri** *CEO e-distribuzione*

## CONTACTS AND FURTHER INFORMATION

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Website - <https://2024.ieee-ihc.org> , Email - [2024-ihc@ieee.org](mailto:2024-ihc@ieee.org)

Socials - [Facebook](#) - [Instagram](#) - [X](#) - [LinkedIn](#)