5th IEEE International Conference on Computing, Networking, Telecommunications & Engineering Sciences Applications 2024 (IEEE CoNTESA '24)
12th – 13th December, 2024
University Metropolitan Tirana (UMT), Albania

Call for Papers

The International Association for Educators and Researchers (IAER), a registered CIC (Community Interest Company) in England and Wales, is happy to arrange the Fifth IEEE International Conference on Computing, Networking, Telecommunications & Engineering Sciences Applications 2024 (IEEE CoNTESA '24), which will be held from 12th – 13th December, 2024, at University Metropolitan Tirana (UMT), Tirana, Albania.

The conference will draw together researchers and developers from academia and industry. **CoNTESA '24 is technically co-sponsored by the IEEE (Conference Record #64738) and the conference content shall be submitted for inclusion in IEEE Xplore® as well as other Abstracting and Indexing (A&I) databases.** For inclusion in the IEEE Xplore® Digital Library, the papers must strictly adhere to the IEEE Conference A4 Paper size format (NOT US Letter) guidelines. IEEE will automatically check for adherence for each paper. The paper formatting instructions can be found at this link: http://www.ieee.org/conferences_events/conferences/publishing/templates.html. The easiest way to format your paper is to download and use the IEEE MS Word A4 template. Selected papers for consideration for further publication from the conference may be recommended to the following journal, as shown in the table below. This will be after they have been asked to be substantially extended and enhanced. However, the journals' respective Editor-in-Chief and the members of the Executive Board shall make the final decision about the inclusion of the papers.

IAER Journal Name	Publisher	Major Indexing / Impact Factor
Annals of Emerging Technologies in Computing (AETiC)	IAER	Scopus (Q2 in CS and EE), ISI ESCI (under evaluation), CiteScore: 3.5 (2023).

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There will be a range of events from keynote addresses, technical and **student poster sessions**, workshops and tutorials. The formal sessions will be supplemented by an excellent social excursion programme.

Paper Submission

Work in progress, research papers, survey papers, application and theoretical papers, poster presentations and position papers for the workshop are all welcome.

Full papers, with a maximum length of **six pages**, adhering to the IEEE conference paper formatting (please read Submit Paper), should be submitted using the Microsoft Conference Management Toolkit (CMT).

Scope of the Conference

Papers are sought on any topic in the spectrum of the conference theme, including, but not limited to the following:

Pervasive Computing and Internet of Things	Computing and IT
- Internet of Things, Everything and Nano-Things - Location-dependent/Personalized Application - System Architectures and Platforms - Embedded Computing with Applications - Low Power, Energy-Aware Pervasive Computing - Smart Devices - Spaces and Objects - Middleware Services and Agent Technologies	- Software Engineering - Cloud Computing, Fog Computing and Big Data - Information Systems - Big data processing and architectures - Microservices architecture - Internet of Behaviours - Business/Enterprise Architectures - Mobile Computing

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• Positioning and Tracking Technologies • Intelligent Devices and Environments • User Interfaces and Interaction Models • Security and Privacy Issues for Pervasive Systems • Ubiquitous Computing, etc.	• Distributed Systems • Knowledge Discovery and Data Mining • Visualization and Computer Graphics • Image Processing, Information Retrieval • Natural Language Processing • Artificial Intelligence, Machine Learning, etc.
Telecommunications and Earth Observation • Remote sensing and applications • Advanced data processing techniques • Big Earth Data and Remote Sensing • Multi sources Data Fusion • Microwave earth observation systems • Telecommunication Systems and Networks • Cognitive Radio • Cooperative Communications • Antennas and propagation • Reconfigurable Intelligent Surfaces • MIMO • Satellite Communications • Information Theory and Coding Systems, etc.	**Electronics, Circuits and Systems** • Electronics and Optical sensors • VLSI and Microelectronic Circuit Design • Embedded Systems • Sensors and Sensing Systems • System on Chip (SoC) Design • FPGA (Field Programmable Gate Array) Design and Applications • Electronic Instrumentations • Biomedical and Bio-inspired Circuits and Systems • Smart Systems for Automotive • Wearable and Implantable Devices • On board systems for nano-satellite, etc.
Control Systems • Control Theory and Applications • Robotics and Autonomous Systems • Intelligent Control • Optimal Control • Robust Control	**Energy and Power Systems** • Low Carbon Power (Nuclear, Wind, Solar, Hydro, etc.) and Transport (Fuel Cells and Hydrogen) • Energy Storage and Network Balancing • Grid Integration and Infrastructure

• Adaptive Control • Linear and Nonlinear Control Systems • Complex Adaptive Systems • Industrial Automation • Control Systems Technology, etc.	• Distributed Polygeneration • Energy Efficiency and Energy Management • Nearly Zero Energy Buildings • Smart Energy Communities • Integrating Finance, Economies and Energy • Computing, Data and 'Intelligent' Design • Micro-Grid Operation • System Stability, Dynamics and Control • Power System Protection and Relaying • Restructuring of Power System, Electricity, etc.
Engineering Education & Sustainable Development • EESD and Circular Economy • Global Issues in EESD • Overcoming Barriers for EESD • EESD and Energy • Stakeholders in EESD • EESD and Life-long Learning • EESD and Disciplinary Approaches	**Economics, FinTech and Business Engineering** • Computational Economics and Finance • Decision Support Systems • FinTech • Industrial and Systems Engineering • e-Commerce and e-Business • Business Information Systems • Technopreneurship, Technology and Innovation • Supply Change Management Technology, etc.

Registration

At least one author must register and physically attend the conference. Presentation via video-conferencing may only be allowed under special circumstances. For further details please see the registration link.

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Key Dates

Event	Deadline
Main Conference Submission Deadline (See workshop/tutorial pages for other deadlines)	**17th November 2024 (Hard deadline, no further extensions possible).**
Notification of Acceptance	Continuous Process
Camera-ready Submission	1st December, 2024
Last Date of Registration (Authors)	30th November, 2024
Last Date of Registration (non-Authors)	5th December, 2024
Conference Dates	**12th – 13th December, 2024**

We look forward to welcoming you to CoNTESA '24 at University Metropolitan Tirana (UMT), Albania.

Yours cordially (on behalf of the organizing committee),

Dr Maaruf Ali SMIEEE
Conference Chair

UNIVERSITETI METROPOLITAN TIRANA — Faculty of Computer Science and IT, University Metropolitan Tirana (UMT), Albania

Prifysgol Cymru Y Drindod Dewi Sant University of Wales Trinity Saint David — The Doctoral College, University of Wales Trinity Saint David, Swansea, Wales, UK

American Global Tech University, Orlando, Florida, USA

IEEE Advancing Technology for Humanity

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IEEE GREECE SECTION

UNIVERSITETI METROPOLITAN TIRANA

IEEE computer society Greece Chapter

IEEE Signal Processing Society Greece Chapter