3rd IEEE International Conference on Computing, Networking, Telecommunications & Engineering Sciences Applications 2022 (IEEE CoNTESA '22)

15th – 16th December, 2022

Mother Teresa University, Skopje, Republic of North Macedonia

(With online presentation opportunity)

Call for Papers

Important Announcement: Due to the travel restrictions resulting from the spread of COVID-19, IEEE **CoNTeSA '22 will be held in a hybrid mode.** Authors can opt for either attending the conference physically or presenting virtually, based on their preference. All matters related to the **quality, publication** and **indexing shall remain unchanged**.

The International Association for Educators and Researchers (IAER), a registered CIC (Community Interest Company) in England and Wales, is happy to arrange the Third IEEE International Conference on Computing, Networking, Telecommunications & Engineering Sciences Applications 2022 (IEEE CoNTESA '22), which will be held from 15th – 16th December, 2022, at Mother Teresa University, Skopje, Republic of North Macedonia.

The conference will draw together researchers and developers from academia and industry. **CoNTESA '22 is technically co-sponsored by the IEEE (Conference Record #TBA) 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 journals, 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, ISI ESCI (evaluation under process), CiteScore: 2.6 (2021).

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:

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Pervasive Computing and Internet of Things

- 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
- Positioning and Tracking Technologies
- Intelligent Devices and Environments
- User Interfaces and Interaction Models
- Security and Privacy Issues for Pervasive Systems
- Ubiquitous Computing, etc.

Computing and IT

- 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
- 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 nanosatellite, etc.

Control Systems

- Control Theory and Applications
- Robotics and Autonomous Systems
- Intelligent Control
- Optimal Control
- Robust Control
- Adaptive Control
- Linear and Nonlinear Control Systems
- Complex Adaptive Systems
- Industrial Automation
- Control Systems Technology, etc.

Energy and Power Systems

- Low Carbon Power (Nuclear, Wind, Solar, Hydro, etc.)
- Low Carbon Transport (Fuel Cells and Hydrogen)
- Energy Storage and Network Balancing
- Grid Integration and Infrastructure
- Distributed Polygeneration
- Energy Efficiency and Energy Management
- Policy, Targets and Resource Efficiency
- 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.

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Engineering Education and 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.

Key Dates

Event	Deadline
Main Conference Submission Deadline (See workshop/tutorial pages for other deadlines)	13th November, 2022
Notification of Acceptance	Continuous Process
Camera-ready Submission	27th November, 2022
Last Date of Registration (Authors)	27th November, 2022
Last Date of Registration (non-Authors)	4th December, 2021
Conference Dates	15th – 16th December, 2022

We look forward to welcoming you to CoNTESA '22 at Mother Teresa University, Skopje, Republic of North Macedonia.

Yours cordially (on behalf of the organizing committee),

Conference General Co-chairs

Dr. Maaruf Ali, School of Computing, Engineering & Physical Sciences, London Campus, University of the West of Scotland, London, UK.

Prof. Bekim Fetaji, Vice Rector of Sciences, Faculty of Informatics, University "Mother Teresa", Skopje, Republic of North Macedonia.