

# 5<sup>th</sup> IEEE International Conference on Computing, Electronics and Communications Engineering 2022 (IEEE iCCECE '22)

17<sup>th</sup> – 18<sup>th</sup> August, 2022

University of Essex, Southend Campus, UK  
(With online presentation opportunity)

## Call for Papers

**Important Announcement:** Due to the travel restrictions resulting from the spread of COVID-19, IEEE iCCECE '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**. We are closely monitoring the situation – If any further adjustment is deemed to be necessary, detailed announcement will be made in due course.

After successfully organising the fourth conference of this series, [International Association of Educators and Researchers \(IAER\)](#), registered CIC (Community Interest Company) in England and Wales, is happy to arrange the Fifth IEEE International Conference on Computing, Electronics and Communications Engineering 2022 (IEEE iCCECE '22), which will be held from 17<sup>th</sup> – 18<sup>th</sup> August, 2022, at University of Essex, Southend Campus, UK.

The conference will draw together researchers and developers from academia and industry. iCCECE '21 is technically co-sponsored by the IEEE ([Conference Record # 55162](#)) and the conference content shall be submitted for inclusion in IEEE Xplore as well as other Abstracting and Indexing (A&I) databases. The Proceedings of the past iCCECE conferences are available online in [IEEE Xplore](#). For inclusion in the IEEE Xplore Digital Library, the papers must adhere to the IEEE Conference A4 Paper size (NOT US Letter) guidelines and formatting instructions for which can be found at this link: [http://www.ieee.org/conferences\\_events/conferences/publishing/templates.html](http://www.ieee.org/conferences_events/conferences/publishing/templates.html). The easiest way to do this is to download and use the [IEEE MS Word A4](#) template. Selected papers for consideration for further publication from the conference may be recommended for 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 will make the final decision about the inclusion of the papers. Furthermore, invited extended papers will be published in an edited book by Springer-Verlag.

IAER Journal Name	Publisher	Major Indexing / Impact Factor
<a href="#">Sensors</a>	MDPI	ISI/Web of Science, Scopus Q1 Journal, DBLP, INSPEC, CiteScore: 5.8 (2020) ISI Impact Factor: 3.576 (2020)
<a href="#">Journal of Database Management (JDM)</a>	IGI Global	SI/Web of Science, Scopus, ACM DL, DBLP, INSPEC, CiteScore: 2.4 (2020) ISI Impact Factor: 1.233 (2020)
<a href="#">Computing and Informatics (formerly: Computers and Artificial Intelligence)</a>	Institute of Informatics Slovak Academy of Sciences	SI/Web of Science, Scopus, DBLP, INSPEC, EBSCO, CiteScore: 1.4 (2020) ISI Impact Factor: 0.319 (2020)
<a href="#">Open Engineering (formerly Central European Journal of Engineering)</a>	De Gruyter	Scopus and ISI/Web of Science, EBSCO, DOAJ, CiteScore: 1.8 (2020) SJR H Index: 24 (2020)
<a href="#">Open Computer Science</a>	De Gruyter	SI/Web of Science, EBSCO, DOAJ DBLP, CiteScore: 1.1 (2020)
<a href="#">Annals of Emerging Technologies in Computing (AETiC)</a>	IAER	Scopus, ISI ESCI (evaluation under process), CiteScore: 2.3 (2020)

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

- 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
- Business/Enterprise Architectures
- Mobile Computing
- Distributed Systems
- Information Systems
- Knowledge Discovery and Data Mining
- Artificial Intelligence
- Decision Support Systems
- Visualization and Computer Graphic
- Image Processing, Information Retrieval
- Natural Language Processing
- Machine Learning, etc.

### Communications Engineering and Vehicular Technology

- Computer Networking
- Telecommunication Systems
- Wireless Ad-hoc and Sensor Networks
- Network/Information Security
- Security Protocol
- Cognitive Radio
- Cooperative Communications

### Electronics, Circuits and Systems

- VLSI and Microelectronic Circuit Design
- Embedded Systems
- System on Chip (SoC) Design
- FPGA (Field Programmable Gate Array) Design and Applications

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- Radio Resource Management and Optimization
- Vehicular Communication Systems,
- Information Theory and Coding Systems, 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.

## 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

- Electronic Instrumentations
- Electronic Power Converters and Inverters
- Electric Vehicle Technologies, etc.

## Energy and Power Systems

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

## Economics and Business Engineering

- Computational Economics and Finance
- FinTech
- Industrial and Systems Engineering
- e-Commerce and e-Business,
- Business Information Systems
- Technopreneurship, Technology and Innovation
- Supply Chain Management Technology, etc.

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## Registration

At least one author must register and physically/virtually attend the conference to present the paper. For further details please see the [registration link](#).

## Key Dates

Event	Deadline
Main Conference Submission Deadline (See <a href="#">workshop/tutorial</a> pages for other deadlines)	19 <sup>th</sup> June, 2022 (However, we encourage early submission, especially if you require a visa )
Notification of Acceptance	Continuous Process
Camera-ready Submission	17 <sup>th</sup> July, 2022
Last Date of Registration (Authors)	26 <sup>th</sup> July, 2022
Last Date of Registration (non-Authors)	30 <sup>th</sup> July, 2022
Conference Dates	17 <sup>th</sup> – 18 <sup>th</sup> August, 2022

We look forward to welcoming you to IEEE iCCECE '22 at the University of Essex, Southend Campus, UK.

Yours cordially (on behalf of the organizing committee)

## Conference Chairs

**Garfield Southall**, Professor Emeritus, University of Chester, UK and Chair, British Computer Society (BCS) - Chester and North Wales Branch.

**Maaruf Ali** CEng PE PhD SMIEEE, School of Computer Engineering, EPOKA University, Albania.