

# 4<sup>th</sup> IEEE International Conference on Computing, Electronics and Communications Engineering 2021 (IEEE iCCECE '21)

## 16<sup>th</sup> – 17<sup>th</sup> August, 2021

### University of Essex, Southend Campus, UK

## Call for Papers

**Important Announcement:** Due to a higher amount of travel restrictions resulting from the spread of COVID-19, IEEE iCCECE '21 will be held online as a live interactive hybrid/virtual conference, to ensure the safety, comfort and quality of experience of the attendees and of the successful course of the event. 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 second 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 Fourth IEEE International Conference on Computing, Electronics and Communications Engineering 2021 (IEEE iCCECE '21), which will be held from 16<sup>th</sup> – 17<sup>th</sup> August, 2021, 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 IEEE ([Conference Record # 52344](#)) and conference content will be submitted for inclusion into IEEE Xplore as well as other Abstracting and Indexing (A&I) databases. 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, 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, DBLP, INSPEC ISI Impact Factor: 2.677
<a href="#">Journal of Database Management (JDM)</a>	IGI Global	ISI/Web of Science, Scopus, ACM DL, DBLP, INSPEC ISI Impact Factor: 0.462
<a href="#">Computing and Informatics (formerly: Computers and Artificial Intelligence)</a>	Institute of Informatics Slovak Academy of Sciences	ISI/Web of Science, Scopus, DBLP, INSPEC, EBSCO ISI Impact Factor: 0.524
<a href="#">Open Engineering (formerly Central European Journal of Engineering)</a>	De Gruyter	Scopus and ISI/Web of Science, EBSCO, DOAJ SJR Impact Factor 2016: 0.199
<a href="#">Open Computer Science</a>	De Gruyter	ISI/Web of Science, EBSCO, DOAJ DBLP,
<a href="#">Annals of Emerging Technologies in Computing (AETiC)</a>	IAER	Scopus, ISI ESCI (evaluation under process)

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.

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## 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.

### Communications Engineering and Vehicular Technology

- Computer Networking
- Telecommunication Systems
- Wireless Ad-hoc and Sensor Networks
- Network/Information Security
- Security Protocol
- Cognitive Radio
- Cooperative Communications
- Radio Resource Management and Optimization
- Vehicular Communication Systems,
- Information Theory and Coding Systems, 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.

### Electronics, Circuits and Systems

- VLSI and Microelectronic Circuit Design
- Embedded Systems
- System on Chip (SoC) Design
- FPGA (Field Programmable Gate Array) Design and Applications
- Electronic Instrumentations
- Electronic Power Converters and Inverters
- Electric Vehicle Technologies, etc.

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## 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 (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, 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 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 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 Change Management Technology, etc.

## Registration

At least one author must register and physically attend the conference present the paper online. 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**

<b>Event</b>	<b>Deadline</b>
Main Conference Submission Deadline (See <a href="#">workshop/tutorial</a> pages for other deadlines)	<del>11<sup>th</sup> July</del> 23 <sup>rd</sup> July, 2021 (However, we encourage early submission, especially if you require a visa )
Notification of Acceptance	Continuous Process
Camera-ready Submission	6 <sup>th</sup> August, 2021
Last Date of Registration (Authors)	6 <sup>th</sup> August, 2021
Last Date of Registration (non-Authors)	13 <sup>th</sup> August, 2021
Conference Dates	16 <sup>th</sup> – 17 <sup>th</sup> August, 2021

**We look forward to welcoming you to IEEE iCCECE '21 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** PE PhD SMIEEE, School of Computer Engineering, EPOKA University, Albania.