

**ICAIN-2025**  
**International Conference on Artificial**  
**Intelligence and Networking**

Organized by  
**University of Stirling - RAK Campus, UAE**

**10th - 11th October 2025**

**\*\*\*\*\* CALL FOR PAPERS \*\*\*\*\***

**SPECIAL SESSION ON**

**Innovations in Computational Electronics and Communication Systems**

**SESSION ORGANIZERS:**

Dr. Sangeeta Kumari, Bennett University (Times Group), Greater Noida, U.P., India,  
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**EDITORIAL BOARD: (Optional)**

Dr. Sangeeta Kumari, Bennett University (Times Group), Greater Noida, U.P., India,  
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**SESSION DESCRIPTION:**

Advancements in Computational Electronics and Communication Systems represents a rapidly evolving field where electronics, computational science, and communication technologies converge. This area progresses continually, driven by innovations in hardware, software, and interdisciplinary research. The computational electronics component focuses on simulating, modeling, and analyzing electronic devices and circuits through computational methods. As electronic components shrink to atomic scales, nano-electronics and quantum computing are becoming increasingly significant. Furthermore, machine learning and artificial intelligence are playing a growing role in optimizing systems, signal processing, and predictive maintenance within computational electronics and communication. Key emerging trends include the development of intelligent algorithms for resource allocation, spectrum management, and the autonomous operation of electronic and communication systems.

**RECOMMENDED TOPICS:**

Topics to be discussed in this special session include (but are not limited to) the following:

- Blockchain Applications in Communication and Networking
- AI-Driven Spectrum Management
- Terahertz Communication for Next-Generation Networks

- Green Communication and Energy-Efficient Systems
- Edge Computing for Wireless Communication
- 6G and Beyond: Emerging Trends and Challenges
- Internet of Things (IoT) for Smart Communication Systems
- Bio-Inspired Communication Models
- Underwater Acoustic Communication Networks

#### **SUBMISSION PROCEDURE:**

Researchers and practitioners are invited to submit papers for this particular theme session on **[session name] on or before [30th May 2025]**. All submissions must be original and may not be under review by another publication. INTERESTED AUTHORS SHOULD CONSULT THE CONFERENCE'S GUIDELINES FOR MANUSCRIPT SUBMISSIONS at <https://www.icain-conf.com/downloads>. All submitted papers will be reviewed on a double-blind, peer-review basis.

NOTE: While submitting a paper in this special session, please specify [Session Name] at the top (above paper title) of the first page of your paper.

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