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# **CALL FOR PAPER**

**Special Session**

on

***“Applications of Computational Intelligence, Internet of Things and Cutting Edge Technologies”***

in

**International Conference**

on

**Technological Advancements in Computational Sciences**

**(ICTACS-2022)**

**10<sup>th</sup> – 12<sup>th</sup> October 2022**

at

**Amity University, Tashkent City. Street Labsak, Building-70, 100028,  
Uzbekistan.**

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**All accepted & presented papers of the Conference by duly registered authors, will be submitted to [IEEE Xplore](#) Digital Library for Inclusion.**

## **Session Chair:**

- **Prof. (Dr.) Christo Ananth, Samarkand State University, Uzbekistan**
- **Prof. (Dr.) Akhatov Akmal Rustamovich, Samarkand State University, Uzbekistan**
- **Prof. (Dr.) Muhtor Nasirov, Samarkand State University, Uzbekistan**

### **Important Weblinks:**

- To visit Conference Website, [click here](#)
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### **Important Dates:**

Paper Submission Deadline:	06-July-2022
Notification of Acceptance:	20-August-2022
Camera Ready Paper Submission Deadline:	10-September-2022
Last Date of Registration:	20-September-2022
Conference Date:	10 <sup>th</sup> – 12 <sup>th</sup> October 2022

[Amity University](#) is research driven University which offers higher education in diverse field from Engineering, Management, Life Sciences, Applied Science and the like. Amity University provides quality platform for research in field of Academics. The campus is organizing International Conference on Computation, Automation and Knowledge Management on 10<sup>th</sup> – 12<sup>th</sup> October 2022.

This Conference includes many topics which were deeply deliberated, and which brewed new ideas. Thus, giving rise to new avenues for researcher. We aim to take those concepts further to derive fresh hypothesis and arrive at the logical deductions. The participation of scientist from across the globe was very encouraging in our last conferences organized in India. This time we are anticipating even larger congregation from more diverse domains as we are reaching out too many eminent philosophers, thinkers and academicians from scientist fraternity.

### **Aim and Scope:**

This session aims to target young researchers (TYR) to enhance the research in Applications of Computational Intelligence, Internet of Things and Cutting Edge Technologies to bring out the real life importance of Computational Sciences to the society and the world. The TYR are Students in diverse countries, Practitioners, Professionals, Scientists, Industrialists, and Engineers – Researchers of various sectors. The session will give an appropriate solution for Applications of Artificial Intelligence (AAI) Experts to device monitoring, security, daily routine management, home automation which helps in taking real-life crucial decisions. The role of artificial intelligence, internet of things and various new cutting edge technologies is changing the lifestyle of human beings and the way in which objects are linked to real world using available interfaces and various communication technologies. The drastic evolution of Artificial Intelligence and Internet of Things has transformed into a network of interconnected devices to collect data from real world. The Devices interconnect with

other counterparts using novel internet protocols and standards and provide Computational Intelligence based solutions to develop and deploy AI-IOT.

Through Systematic incorporation of Computational Intelligence and Internet of Things in Real Life Sciences, noteworthy algorithms like Artificial Fish Swarm Intelligence on IoT, Hybrid Intelligence on IoT, Approximation and Classification Algorithms help domain experts to learn practical studies and its challenges of unbiased and rigorous evidences in Computational Intelligence, Internet of Things and Cutting Edge Technologies.

**Sub-themes (but not limited to):**

The focus of session will be on computation techniques in science and engineering applications like

- AI-IoT big-data centred knowledge granule analytic and cluster frameworks
- AI-IOT Middleware solutions for service centric anomaly in Future Internet Models
- Applications of fault tree analysis and fuzzy neural networks to fault diagnosis in the Artificial Intelligence and Internet of things (IoT) for aquaculture
- Bluetooth for Internet of Things
- Communication Artificial Intelligence oriented scheduling schemes based on big-data regression analysis and genetic algorithm for cyber-physical factory automation.
- Conceptual model of business services availability vs. interoperability on collaborative AI-IoT-enabled e-business platforms
- Data mining in soft computing frameworks
- Disease prediction using heart rate variability analysis using AI-IoT
- Distributed Neural networks for internet of things and Cutting Edge Technologies
- Hands on Approach of Artificial Intelligence and Cutting Edge Technologies
- Heuristic Artificial Intelligence and Internet of Things
- Hybrid soft computing approaches to content based video retrieval
- Kinetic energy harvesting for the Internet of things
- Multi-objective IOT optimization of material delivery for mixed model automotive assembly line based on particle swarm algorithm
- Multi-objective optimization in cloud brokering systems for connected Artificial Intelligence and Internet of things
- Privacy information security classification study in Artificial Intelligence, Internet of things and various new Cutting Edge Technologies
- Self-organized power consumption approximations in Artificial Intelligence and Internet of things

- Service composition instantiation based on cross-modified artificial intelligence and internet of things oriented bee colony algorithms
- Solving complex task scheduling by a hybrid genetic algorithms using Cutting Edge Technologies
- System Optimization And Excellent Schema Selection Algorithms for Cutting Edge Technologies

**Note:** It is a mandatory requirement that all papers submitted for this session must be e-mailed to [dr.christoananth@gmail.com](mailto:dr.christoananth@gmail.com) along with [EasyChair](#) submission.

In case of any query, please write to us on:

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