



**AMITY  
UNIVERSITY**

# **CALL FOR PAPER**

**Special Session**

on

***“Computational Artificial Intelligence in Different  
Research Applications”***

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.**

**Technically Co-Sponsored by**



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

## **Session Chair:**

- **Dr. Yogesh Kumar**, School of Technology, Pandit Deendayal Energy University, Gandhinagar, Gujarat, India.
- **Dr. Ankur Changela**, School of Technology, Pandit Deendayal Energy University, Gandhinagar, Gujarat, India.
- **Dr Samir B. Patel**, School of Technology, Pandit Deendayal Energy University, Gandhinagar, Gujarat, India.

### **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 seeks to bring together top academic scientists, researchers, and research scholars to exchange and share their experiences and research findings on all areas of computational method for computational AI in many research domains. Artificial Intelligence includes Computational Intelligence. There are two varieties of machine intelligence: the artificial type, which is based on hard computing techniques, and the computational type, which is based on soft computing techniques and can adapt to a variety of conditions. The session also provides a premier inter-disciplinary forum for researchers, practitioners, and educators to present and discuss the most recent innovations, trends, and concerns in the fields of computational intelligence, as well as the practical challenges they have encountered and the solutions they have adopted.

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

**Sub-themes (but not limited to):** The focus of session will be on computation artificial intelligence in different research applications:

- Artificial Intelligence and reinforcement learning in computational science
- Artificial intelligence with Internet-of-Things
- Artificial Intelligence in Speech Processing
- Explainable AI in Diseases diagnosis and recommendation
- Multidisciplinary deep learning approaches and High performance computing
- Cognitive computing systems for real-world problems
- Artificial Intelligence techniques in quantum computing
- Explainable AI in Health Informatics
- Machine Learning and Deep Learning in Medical Science
- Machine and Deep learning in Digital Health Record System
- Clinical Support System using Explainable AI
- Artificial Intelligence in Smart Cities
- Computational AI in Smart Energy
- Computational AI in Intelligent Transportation System
- Artificial Intelligence and Blockchain in Digital Health Record System.
- Computational Intelligence for Natural Language Processing.
- Computational A Intelligence in Soft Computing

**Note:** It is a mandatory requirement that all papers submitted for this session must be e-mailed to [Yogesh.Kumar@sot.pdpu.ac.in](mailto:Yogesh.Kumar@sot.pdpu.ac.in), [Ankur.Changela@sot.pdpu.ac.in](mailto:Ankur.Changela@sot.pdpu.ac.in), [Samir.Patel@sot.pdpu.ac.in](mailto:Samir.Patel@sot.pdpu.ac.in) along with [EasyChair](#) submission.

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