

First International Conference on

Artificial Intelligence &

Digital Twin Technology-2023

IconAIDTT-2023

26 - 28, April 2023



Service is our Motto



Organized by
Department of ECE, CSE & EEE
P.S.R. Engineering College

An Autonomous Institution, Approved by AICTE, New Delhi

Affiliated to Anna University, Chennai

**Accredited by NBA, Accredited by NAAC With A+ Grade,
and listed under section 2(f) & 12(B) of UGC Act, 1956.**

An ISO 9001:2015 Certified Institution

Sivakasi - 626140, Tamilnadu, India.

Website: <https://www.psr.edu.in/IconAIDTT-2023>

About the Conference

AIDTT - 2023 is an International Conference in the field of big data, Artificial Intelligence (AI), Cloud Computing, Digital Twins, and Edge Computing, focusing to address issues and developments in recent approaches, algorithms, mechanisms, and developments in a variety of engineering and science applications. This conference seeks to bring together international researchers to present papers and generate discussions on the recent trends and developments of computing, communications, and science information systems. The conference will feature a range of presentations on the latest research activities in the areas of aerospace, intelligent manufacturing, unmanned vehicles, and smart city transportation as well as stimulating talks and keynote addresses. It is organized by the Department of Electronics and Communication Engineering, P.S.R. Engineering College on 26th - 28th April, 2023.

P.S.R. Engineering College is an Autonomous Institution established in the year 1999 by P.S. Ramasamy Telugu Minority Educational and Charitable Trust, towering high in quality of academic excellence and developments. It strives hard to achieve excellence by revamping research and extension activities, academic flexibility, publications in peer reviewed journals and modern laboratory facilities. The college received Education Excellence award for "Best Engineering College for Academic Infrastructure" in South Tamilnadu by Education post in 2013. The Institution achieved tenth among all the Autonomous Institution under Anna University in Examinations. National Board of Accreditation(NBA) has accredited four UG programmes – ECE, CSE, EEE & Mech and also accredited by NAAC with A+ Grade. The institute offers academic programs with innovative curriculum, advanced research and societal engagement through outreach activities. The institute has 8 UG programmes, 6 PG programmes including MBA programme and 5 Ph.D programmes.

Publications

Accepted research papers will be submitted for inclusion in any one of the Springer Conference series Communications in Computer and Information Science (CCIS), Lecture Notes in Computer Science (LNCS) LNCS Transactions, Lecture Notes in Business Information Processing (LNBIP). The extended versions of highquality innovative research papers from the registered papers presented at the conference will be considered for publications in the following journals

1. Computer Systems Science and Engineering (SCI)
2. Journal of Interconnection Networks (ESCI)
3. Journal of Healthcare Engineering (SCI)

Call for Papers

- Classification and regression Problems
- Neural Networks and Deep Learning Methods
- Artificial neural network and genetic algorithm Application in Health Sciences
- Intelligent decision support system in Health Sciences.
- Variational Auto-Encoder
- Generative Adversarial Network and Object Detection
- Current Practices on Data Mining
- Pattern Recognition and Computer Vision
- Natural Language Processing (NLP)
- Intelligent Systems
- Deep Neural Networks
- Deep Learning for Health Information Mining
- Deep Convolutional Network (DNN) Learning Model for Brain Tumor Detection
- Communication Network Architectures
- Communication Network Protocols
- Network Services and Applications
- Discrete Algorithms and Discrete Modeling
- AI-Based Software Engineering,
- Bioinformatics and Health Informatics

- Extreme Learning Methods (ELM)
- Visualization and Explainable Deep Neural Network
- Machine Learning algorithms to support green networking
- Data-driven methodologies tailored to Internet traffic classification
- Machine learning approaches to QoE monitoring of encrypted video traffic.
- Reinforcement learning enables autonomous computer networks operation
- Data-driven and artificial intelligent algorithms for network operation and management
- Recommendations for people, analysts, and policymakers in network applications
- Ethical issues of data collection, storage, and exchange in network security and privacy.

Keynote Speaker

1. Dr Srinath Doss, Dean,

Faculty of Engineering and Technology

Dr Srinath Doss is the Dean of the Faculty of Engineering and Technology and researcher and Fellow in the Department of Network and Infrastructure Management, Faculty of Engineering and Technology, Botho University, Botswana. He has published and presented more than 35 papers in International Journals and a good number of prestigious conferences. His research interests include MANET (mobile ad hoc network), Information Security, Network Security and Cryptography, Cloud computing, wireless and sensor networks. He has published papers in highly reputed journals like the Institute of Electrical and Electronics Engineers (IEEE) and Springer. Dr Srinath Doss serves on the Editorial Board of seven International Journals. He is an advisor for the International Journal of Research in

Mechanical Mechatronics and Automobile Engineering. He has taught modules such as Network Security, Information and Data Security, Protocols and Internetworking Standards, Data Communication and Networking, Computer Network Security, Enterprise Application Development and Internet and Web Programming.

2. Dr. Saravanakumar Gurusamy

Professor

Federal TVET Institute

Addis Ababa, Ethiopia

Saravanakumar Gurusamy (Member, IEEE) was born in Seithur, Tamil Nadu, India. He received the B.Eng. degree in electronics and instrumentation engineering from the National Engineering College, Kovilpatti, India, in 2004, the master's degree in control and instrumentation engineering from the Thiagarajar College of Engineering, Madurai, in 2007, and the Ph.D. degree from the Faculty of Instrumentation and Control Engineering, Kalasalingam Academy of Research and Education (KARE), India, in 2017. In 2009, he joined the Department of Instrumentation and Control Engineering, KARE, as a Lecturer. In 2011, he became an Assistant Professor. He worked as a Lecturer with the Department of Electrical and Computer Engineering, University of Gondar, Ethiopia, from 2014 to 2018. Then, he joined back to KARE, as a Senior Assistant Professor, where he worked for a year. He is currently working as an Associate Professor with the Department of Electrical and Electronics Technology, Federal TVET Institute, Addis Ababa, Ethiopia. His current research interests include virtual instrumentation, applications of evolutionary algorithms for control problem, nonlinear system identification, multivariable PID controller, model predictive control, autonomous vehicle, and mobile robotics.

Regular Paper Submission

Prospective authors are invited to submit original unpublished research manuscripts that demonstrate current research in all areas of **Artificial Intelligence & Digital Twin Technology**. All submissions will be peer-reviewed and evaluated based on originality, technical and research content, correctness, relevance to conference, readability, significance, presentation, and references.

Submission Guidelines

- All submissions should be written in English with a maximum page length of 12-15 printed pages
- Standard Springer CCIS Proceedings templates for Microsoft Word Users
- Authors can send their paper to iconaidtt2023@psr.edu.in
- Format for paper submission -
<https://www.springer.com/gp/computerscience/lncs/conference-proceedings-guidelines>

Conference Registration

In order to complete the registration to the conference, each paper must be covered by an author registration. An author conference registration includes presentation and publication of 1 submission.

Registration Fee

Indian Author	: 8000 INR
Indian Listener	: 2000 INR (Certificate Will be provided)
Foreign Author	: 150 USD
Foreign Listener	100 USD (Certificate Will be provided)

Important Deadlines

Paper Submission	: 24.03.2023
Notification of Acceptance	: 07.04.2023
Camera-ready copy submission And Registration	: 12.04.2023

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