



INTERNATIONAL CONFERENCE ON
DIGITAL FUTURES
and TRANSFORMATIVE TECHNOLOGIES



NUST
NATIONAL UNIVERSITY
OF SCIENCES & TECHNOLOGY



International Conference on

3rd IEEE International Conference on Digital Futures and Transformative Technologies (ICoDT2) aims to provide a superior international forum for sharing knowledge and results in theory, methodology and applications of Intelligence Systems. The Conference looks for significant contributions to all major fields of the Intelligence Systems in theoretical and practical aspects. The aim of ICoDT2 is to provide a platform to the researchers and practitioners from both academia as well as industry to meet and share cutting-edge development in the field.

The conference is proudly hosted by National University of Sciences and Technology (NUST), Pakistan. The event is technically sponsored by the IEEE. Conference is supported by the Institution of Mechanical Engineers (IMechE UK, Pakistan Chapter), American Society of Mechanical Engineers (ASME) and ASHRAE.

The conference invites contributions in the areas of applied engineering including Advance Automotive & Design, Thermo-fluids & Power, Direct Digital Manufacturing, Artificial Intelligence, and Advance Biomedical Technologies

Dates:

Abstract Submission Date June 15th, 2023
Final Paper Submission Date August 10th, 2023
Notification of Acceptance Date August 15th, 2023
Conference Registration August 20th, 2023

DIGITAL FUTURES and TRANSFORMATIVE TECHNOLOGIES

3rd - 4th October, 2023

CONFERENCE SCOPE

Thermo-fluids & power

- Aerodynamics
- Applied Mechanics
- Computational Mechanics
- Fatigue and Fracture
- Fluid Dynamics
- Mechanical Design
- Mechanical Power Engineering
- Turbomachinery
- Renewable Energy Technologies
- Environment Friendly Energy Systems
- Electro-Mechanical Energy System
- Electro-Chemical Energy System

Advance Biomedical Technologies

- Medicine & Biotechnology
- Bioinformatics/System Biology
- Nanobiotechnology
- Biosensors
- Bio-based Renewables
- Medical Instrumentations

Artificial intelligence

- Model Interpretability
- Explainable AI
- Data Privacy and Security
- Productionizing Your Model
- Dealing With Biased Data Sets
- Deep Learning
- Dealing With Legacy Systems
- Reinforcement Learning

Automotive and Design

- Tribology
- Turbulence
- Advances in vehicle engineering
- Terramechanics
- Vibration control
- Energy harvesting
- Structural dynamics
- Bio-dynamics
- Ride analysis
- Suspension dynamics
- Robust controller for road/off-road vehicles
- Smart materials in vehicle dynamics
- Intelligent and autonomous vehicle driving/control
- Alternative fuels
- Automotive emissions

Direct Digital Manufacturing

- Digital Manufacturing technologies
- Precision Individualized Products
- Minimal Inventory Costs
- Materials Conservation
- Increased Design Flexibility
- On-Demand Production
- Time Savings (Design, Prototyping and Production)
- Centralized Design and Remote or Distributed