



2nd International Conference on AI and Emerging Technology for Sustainable Future

July 24-25, 2026

University of Catania, Italy

Important Dates

Paper Submission : April 15, 2026
 Notification : May 30, 2026
 Camera Ready : June 30, 2026
 Registration : June 30, 2026

Welcome to ICAISF

Welcome to the 2nd International Conference on AI and Emerging Technology For Sustainable Future (ICAISF). We are excited to announce that this prestigious event will be hosted by University of Catania, Italy and Istinye University on October 24-25S, 2026 in Catania, Italy. This conference aims to bring together leading academics, researchers, and practitioners from around the world to discuss and explore the latest advancements in artificial intelligence, technology, and their intersection with social sciences, all geared towards creating a sustainable future.

ICAISF Committees

- General Chair**
- Dr. Alessandro Ortis, University of Catania, Italy
 - Dr. Alaa Ali Hameed, Istinye University, Turkey
 - Dr. Georgia Fargetta, University of Catania, Italy
- Technical Program Chairs**
- Dr. Alessia Rondinella, University of Catania, Italy
 - Dr. Vasileios Paliktzoglou, Bahrain Polytechnic, Bahrain
 - Dr. Muhammad Syafrudin, Sejong University, South Korea
 - Dr. Arceri Nicolò Fabio, University of Catania, Italy
 - Dr. Akhtar Jamil, National University of Computer and Emerging Sciences, Pakistan
- Organizing Committee**
- Dr. Francesco Guarnera, University of Catania, Italy
 - Dr. Massimo Spata, University of Catania, Italy
 - Dr. Jarkko Suhonen, University of Eastern Finland, Finland
 - Dr. Muhammad Davud, Istinye University, Turkiye
 - Dr. Dario Allegra, University of Catania, Italy
- Technical Program Committee**
- Evolution and Core Principles of Generative AI
 - Autonomous Systems: Architectures and Learning Mechanisms
 - Challenges and Ethical Considerations in Generative AI

Topics of Interest

Theme 1: Advancements in Generative AI and Autonomous Systems	Theme 2: Intelligent Decision-Making in Healthcare, Finance, and Industry 4.0
<ul style="list-style-type: none"> ❖ Evolution and Core Principles of Generative AI ❖ Autonomous Systems: Architectures and Learning Mechanisms ❖ Challenges and Ethical Considerations in Generative AI ❖ Transformer-based Architectures for Generative AI ❖ Diffusion Models and Their Impact on AI Generation 	<ul style="list-style-type: none"> ❖ AI-Assisted Diagnosis and Predictive Analytics ❖ Personalized Medicine and Drug Discovery with AI ❖ Ethical and Regulatory Challenges in AI-Powered Healthcare ❖ AI for Financial Market Prediction and Portfolio Optimization ❖ Fraud Detection and Anomaly Detection in Banking Systems
Theme 3: AI in Educational Transformation	Theme 4: Sustainable Development Through Science and Technology
<ul style="list-style-type: none"> ❖ AI-Driven Personalized Learning: Shaping the Future of Education ❖ Automated Assessment and Feedback Systems in AI-Based Learning ❖ Intelligent Tutoring Systems: Enhancing Student Engagement with AI ❖ AI in Curriculum Design: Adaptive Learning Strategies for Diverse Learners 	<ul style="list-style-type: none"> ❖ AI and IoT for Smart Cities: Innovations for Sustainable Urban Development ❖ Renewable Energy Optimization with AI: Towards a Greener Future ❖ AI-Enabled Environmental Monitoring for Climate Change Mitigation ❖ Blockchain for Sustainable Development: Ensuring Transparency and Efficiency ❖ Advancing Circular Economy through AI and Emerging Technologies