IEEE Advancing Technology for Humanity

IEEE HNICEM 2026

International Conference on Humanoid, Nanotechnology, Information Technology, Communication and Control, Environment, and Management

December 4–7, 2026 | Summit Hotel, Tacloban City, Leyte, Philippines



CALL FOR PAPERS

DECEMBER 4–7, 2026
Summit Hotel, Tacloban City, Leyte, Philippines

IEEE HNICEM 2026 invites researchers, scientists, engineers, academicians, industry practitioners, and technology innovators to submit original research contributions. The conference provides an interdisciplinary forum for presenting advances in engineering, computing, intelligent systems, emerging technologies, environmental sciences, and management, and for fostering scholarly exchange and collaboration across these fields.

CONFERENCE TRACKS AND TOPICS OF INTEREST

01 HUMANOIDS AND ROBOTICS

Humanoid Robotics and Bipedal Locomotion; Human-Robot Interaction and Collaborative Robotics; Autonomous Mobile Robots and Navigation; Robot Perception, Localization and Mapping; Computer Vision for Robotic Applications; Robotic Manipulation and Grasping; Intelligent and Adaptive Control Systems; Bio-inspired Robotics and Soft Robotics; Assistive, Rehabilitation and Medical Robotics; Multi-Robot Systems and Swarm Robotics; Autonomous Vehicles and Unmanned Aerial Systems; Robotics in Industry and Manufacturing.

02 NANOTECHNOLOGY

Nanomaterials and Nanostructures; Nanoelectronics and Semiconductor Devices; Nanofabrication and Nanomanufacturing; Nanophotonics and Optoelectronic Devices; Nanosensors and Biosensors; Nanomedicine and Biomedical Nanotechnology; Nanocomposites and Functional Materials; Energy Storage and Nanotechnology; Surface Engineering and Thin Films; Molecular Electronics; Computational Nanotechnology; Industrial Applications of Nanotechnology.

03 INFORMATION TECHNOLOGY

Artificial Intelligence and Machine Learning; Deep Learning and Neural Networks; Generative AI and Large Language Models; Computer Vision and Pattern Recognition; Natural Language Processing; Data Science, Big Data and Predictive Analytics; Cloud, Edge and High-Performance Computing; Cybersecurity and Information Assurance; Internet of Things and Smart Systems; Digital Twins and Cyber-Physical Systems; Software Engineering and Information Systems; Human-Computer Interaction and Intelligent Decision Support; AI Applications in Healthcare, Education and Industry.

04 COMMUNICATION AND CONTROL

Wireless and Mobile Communications; 5G, 6G and Next-Generation Networks; Antenna Design and RF Engineering; Internet of Things Communications; Digital Signal and Image Processing; Speech and Audio Signal Processing; Biomedical Signal Processing; Adaptive and Intelligent Control; Nonlinear and Robust Control Systems; Networked and Distributed Control; Industrial Automation and Instrumentation; Embedded Systems and Real-Time Computing; Power Electronics and Intelligent Control.

05 ENVIRONMENT AND SUSTAINABILITY

Renewable and Alternative Energy Systems; Smart Grids and Energy Management; Battery Technologies and Energy Storage; Sustainable Engineering and Green Technologies; Environmental Monitoring and Assessment; Climate Change Modeling and Mitigation; Water Resources and Wastewater Management; Waste Management and Circular Economy; Environmental Informatics and Remote Sensing; Sustainable Infrastructure and Smart Cities; Energy Efficiency and Conservation; Disaster Risk Reduction and Resilience Technologies; Environmental Impact Assessment.

06 MANAGEMENT AND INNOVATION

Technology and Innovation Management; Engineering and Technology Entrepreneurship; Industrial Engineering and Operations Research; Smart Manufacturing and Industry 4.0; Supply Chain and Logistics Management; Project and Systems Management; Quality Management and Process Optimization; Engineering Education and Curriculum Innovation; Technology Policy and Governance; Digital Transformation and Organizational Innovation; Sustainable Business and Industrial Development; Research Management and Technology Commercialization; Human Factors and Ergonomics.

SUBMISSION, REVIEW AND PUBLICATION

SUBMISSION GUIDELINES

Submit original, unpublished manuscripts using the applicable IEEE conference template through EasyChair. Manuscripts should clearly present the research problem, objectives, methodology, results, and contributions, supported by relevant references.

REVIEW AND PRESENTATION

Submissions will be evaluated by reviewers with relevant expertise for originality, technical significance, methodological rigor, relevance to the conference scope, and clarity. Accepted papers must satisfy conference registration and presentation requirements.

PUBLICATION

Accepted and presented papers will be submitted for consideration for inclusion in IEEE Xplore, subject to IEEE quality, scope, and publication requirements. Inclusion and subsequent indexing are not guaranteed.

IMPORTANT DATES

Full paper submission: October 30, 2026 (extended)
Acceptance notification: October 31, 2026
Final manuscript submission: October 31, 2026
Early-bird registration: November 20, 2026
Camera-ready submission: November 27, 2026
Normal registration deadline: December 3, 2026

SUBMIT YOUR PAPER

EasyChair submission portal: **easychair.org/conferences/?conf=hnicem2026**

ORGANIZERS & SUPPORTING PARTNERS

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