

# IEEE HONET 2026

## IEEE 23<sup>rd</sup> International Conference on Smart Communities: Improving Quality of Life Using AI, Robotics and IoT

Cyprus International University, Nicosia, North Cyprus / Optoelectronics & Optical Comm., UNC Charlotte, USA  
/ IEEE NC Council / IEEE Cyprus Section

01-03  
December  
2026  
Nicosia  
North Cyprus



The 23rd IEEE HONET 2026 will continue this tradition, emphasizing Research and Development as well as the application of Information and Communication Technology (ICT) to advance the realization of Smart Cities. This year's conference will particularly explore the expanding role of the Internet of Things (IoT), Artificial Intelligence (AI), data analytics, quantum computing, blockchain technologies, and intelligent energy and transportation systems—all framed within the broader context of ICT through its technical sessions. As with previous HONET events, we expect submissions that address these thematic areas along with related emerging and enabling technologies.

### TOPICS

Researchers and Authors are invited to submit R&D and concept papers presenting original research work related to the practices and theory related to the theme and scope of HONET. The topics of interest include but not limited:

1. AI & IoT
  - a. Enhancing the capabilities of Smart Communities using AI
  - b. Machine Learning models for Smart Cities
  - c. Realizing Smart Localities using IoT
  - d. Signal and Image Processing
  - e. Education
  - f. Quantum Computing
  - g. Blockchains
2. Robotics
  - a. Robotics & Automation
  - b. Autonomous Vehicles and Charging Technologies
  - c. Computer Vision
3. Computer and Communication Networks and Network Security
  - a. Wireless Networks
  - b. Photonic Networks
  - c. 5G Communication and beyond
  - d. Software Defined Networks (SDN)
  - e. Network Security and Forensic Analysis
4. Energy and Power Technologies
  - a. Renewable Energy Sources
  - b. Smart-Grids and Robust Infrastructure
  - c. Smart Storage and Demand & Response
  - d. Micro Grid Analytics and Management
  - e. Smart Grid and Smart Cities
5. Photonics
  - a. LEDs, Lasers and Solar Cells and Panels
  - b. Packaging

### STEERING COMMITTEE

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### IMPORTANT DATES

**Full Len Papers**

15 Jul 2026

**Short Papers**

15 Jul 2026

**Decision Notification**

15 Sep 2026

**Program Available**

01 Oct 2026

**Camera Ready and Registration Due**

15 Oct 2026