

# IEEE HONET 2023

IEEE 20<sup>th</sup> International Conference on Smart Communities: Improving Quality of Life Using AI, Robotics and IoT

December 04-06, 2023 | FAU, Florida, USA



Organizers & Sponsors:

Florida Atlantic University, Boca Raton, Florida, USA /  
Optoelectronics & Optical Comm., UNC Charlotte, USA /  
IEEE NC Council, Palm Beach IEEE Section

## GENERAL INFORMATION

Along with achieving its primary goal, HONET has been phenomenal in attracting quality research papers from around the world. The conference has been successful in gradually emerging as a focal point for research that targets local and global issues related to science and technology. The 20<sup>th</sup> International Conference HONET'2023 will continue to focus on Research and Development and use of legacy & emerging technologies for making Smart Cities and Communities a reality. Specifically, role of IoT and AI, data analytics, and intelligent energy production, distribution & storage along smart transportation systems will be explored in the technical sessions. As with the previous HONET events, we are expecting papers in the above-mentioned thematic areas and 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:

- AI & IoT
  - Enhancing the capabilities of Smart Communities using AI
  - Machine Learning models for Smart Cities (LSTM, Deep Learning, Transformers)
  - Realizing Smart Localities using IoT
- Robotics
  - Robotics & Automation
  - Autonomous Vehicles and Charging Technologies
  - Computer Vision
- Computer and Communication Networks and Network Security
  - Wireless Networks
  - Photonic Networks
  - 5G Communication and beyond
  - Software Defined Networks (SDN)
  - Network Security and Forensic Analysis
- Energy and Power Technologies
  - Renewable Energy Sources
  - Smart-Grids and Robust Infrastructure
  - Smart Storage and Demand & Response
  - Micro Grid Analytics and Management
  - Smart Grid and Smart Cities
- Photonics
  - LEDs, Lasers and Solar Cells and Panels
  - Packaging

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## IMPORTANT DATES

**Full Papers/Short Papers Due Date**  
07 Oct 2023  
**Acceptance Notification**  
01 Nov 2023  
**Camera Ready Due**  
05 Nov 2023  
**Registration Deadline**  
05 Nov 2023  
**Program Available**  
10 Nov 2023

## INSTRUCTIONS FOR AUTHORS

All paper submissions will be handled electronically through EDAS. Authors should strictly follow the guidelines and templates available at the website and prepare PDF-compliant versions of their papers, 4 to 6 double-column pages in length. Short papers must be 3 pages long. The paper format/template with font sizes and the guidelines, and copyright form are available on the HONET'2023 website. The first page of the paper must contain an informative title, abstract, and name(s) of author(s) with respective affiliations, postal address, phone/fax numbers, and email address(es). Corresponding author must be clearly identified. Additionally, five keywords relevant to the research paper or thematic areas must also be listed (as per template). Accepted papers will be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore's scope and quality requirements.

Received papers will be peer reviewed using IEEE standards and criteria. Authors should note that only the accepted and presented papers will be eligible for final proceedings. Papers accepted but not presented (and registered) will be omitted from publication on IEEE Xplore. TPC reserves the right to reject any paper at any stage that is found to be plagiarized.

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