

IEEE HONET 2022

IEEE 19th International Conference on Smart
Communities: Improving Quality of Life Using
ICT, IoT & AI

October 10-12, 2022 | KSU, Marietta, GA, USA

Organizers & Sponsors:

Kennesaw State Univ. / UNC Charlotte, USA / IEEE /
IEEE North Carolina Council / IEEE Atlanta 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 19th International Conference HONET'2022 will continue 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:

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
2. Robotics
 - a. Robotics & Automation
 - b. Autonomous Vehicles and Charging Technologies
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

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IMPORTANT DATES

Full Papers Due Date

01 July 2022

Acceptance Notification

01 Aug 2022

Camera Ready Due

15 Aug 2022

Registration Deadline

15 Aug 2022

Program Available

01 Sep 2022

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 version 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'2022 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). All submissions will be peer-reviewed, and the accepted and presented papers will be published on IEEE Xplore Digital Library.

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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