

# IEEE HONET 2021

IEEE 18<sup>th</sup> International Conference on Smart  
Communities: Improving Quality of Life Using  
ICT, IoT & AI

October 11-13, 2021 (Hybrid)

Organizers & Sponsors:

NED UET, Pakistan / UNC Charlotte, USA / IEEE /  
IEEE North Carolina Council / IEEE Karachi 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 18<sup>th</sup> International Conference HONET'2021 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. Due to COVID-19 global pandemic, the upcoming Conference will be held in hybrid mode; the details about the online platform will be updated later.

## EXTENDED VERSIONS

The accepted and presented papers will be published on IEEE Xplore and substantially expanded versions will be considered for publication in the *Sustainability Journal: Special Issue on "IoT Applications for Optimal Management in Smart Cities"*. Visit <https://honet-ict.org/cfp.html> for details.

## 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. Enhancing the capabilities of Smart Communities using AI
2. Machine Learning models for Smart Cities in Era of COVID
3. Realizing Smart Localities using IoT
4. Computer and Communication Networks
  - a. Wireless Networks
  - b. Photonic Networks
  - c. 5G Communication and beyond
  - d. Software Defined Networks (SDN)
  - e. Network Security and Forensic Analysis
5. Cloud Computing
  - a. Data Analytics
  - b. Network Function Virtualization (NFV)
  - c. Datacenter Storage
6. Energy and Power Technologies
  - a. Renewable Energy Sources
  - b. Smart-Grids and Robust Infrastructure
  - c. Smart Storage, Demand & Response in Pandemic Times
7. Enabling Technologies
  - a. Robotics & Automation
  - b. Autonomous Vehicles and Charging Technologies
  - c. Vehicle-to-everything (V2X)
  - d. Photonics (LEDs, Lasers and Solar Cells and Panels)
  - e. E-healthcare in the Era of COVID-19
  - f. Online Education Paradigms in Response to Pandemic

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## IMPORTANT DATES

**Full Papers Due Date**

*15 July August 2021*

**Acceptance Notification**

*01 Sep 2021*

**Camera Ready Due**

*05 Sep 2021*

**Registration Deadline**

*05 Sep 2021*

**Program Available**

*20 Sep 2021*

## INSTRUCTIONS FOR AUTHORS

The conference will use 'Rolling Review Process' *Received Papers will be reviewed within 4-Weeks, thereby providing additional time for overseas/international authors to arrange travels and secure visa.* 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'2021 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.

<https://honet-ict.org>