

IEEE HONET 2020

2020 IEEE 17th International Conference on Smart Communities:

Improving Quality of Life Using ICT, IoT & AI

Center for Optoelectronics & Optical Comm.,

University of North Carolina at Charlotte, NC, USA

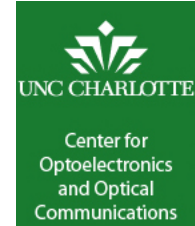
December 14-16, 2020 (ONLINE)

Organizers:

UNC Charlotte, NC - USA / IEEE / IEEE North Carolina Council



North Carolina Council



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 17th International Conference HONET'2020 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 completely Online; the details about the platform will be updated later.

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

IMPORTANT DATES

Full Papers Due Date*

31 Oct 2020

13 Nov 2020 (firm)

Acceptance Notification

25 Nov 2020

Camera Ready Due

28 Nov 2020

Registration Deadline

28 Nov 2020

Program Available

01 Dec 2020

STEERING & ORGANIZING COMMITTEE CHAIRS

M. Yasin Akhtar Raja, SM IEEE
Ctr. Optoelectronics & Optical Comm., Phys & OSc, UNC Charlotte, USA

Glenn Boreman, Fellow IEEE & SPIE, Ctr. Optoelectronics & Optical Comm., Phys & OSc UNC Charlotte, USA

Ian T. Ferguson, Fellow IEEE, OSA & SPIE, Dean Kennesaw Univ, Atlanta, GA, USA

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CS, Quaid-i-Azam Univ, Islamabad, PK

VISION

HONET vision over the last 17 years has been bringing together academia and industry professionals, government and civic society visionaries from the developed and the developing countries thereby enabling a platform for collaborative learning and research and cooperation involving students, young researchers and professionals.

EXTENDED VERSIONS

Like in the past, selected papers will be encouraged to be submitted for consideration of publication in the special issues of high-quality journals, such as IEEE Photonics and Elsevier International Journal of Computers and Electrical Engineering. The conference will be coordinating similar arrangements this year as well.

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 not exceeding five (5) double-column pages. The paper format/template with font sizes and the guidelines, and copyright form are available on the HONET'2020 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). The 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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