



16th International Conference on Smart Cities: Improving Quality of Life Using ICT, IoT & AI

UNC Charlotte, NC, USA

October 06-09, 2019



Organizer: IEEE Charlotte Section, Optoelectronic & Optical Comm. Ctr., Physics & OSC.
and EPIC, ECE

University of North Carolina at Charlotte, Charlotte, NC, USA

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 16th International Conference HONET-ICT 2019 will focus on Research and Development and use of information & communication technology for making Smart Cities a reality. Specifically, role of IoT and AI, data analytics, and intelligent energy & transportation systems in conjunction with ICT 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. The conference will be held at UNC Charlotte, NC with collaboration of NUST (National University of Science and Technology) Islamabad, Pakistan.

TOPICS

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

1. Role of ICT in enabling the Future Smart Cities and Communities
2. AI for enhancing the capabilities of Smart Cities
3. IoT for realizing the dream of Smart Cities
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. Big Data Analytics
 - b. Network Function Virtualization (NFV)
 - c. Datacenter Storage
 - d. Virtual Networks
6. Energy and Power Technologies
 - a. Renewable Energy Sources
 - b. Smart-Grids and Robust Infrastructure
 - c. Smart Storage and Demand & Response
7. Enabling Technologies
 - a. Robotics & Automation
 - b. Autonomous Vehicles and Charging Technologies
 - c. Vehicle-to-everything (V2X)
 - d. ICT for Healthcare Applications
 - e. LEDs, Lasers and Solar Cells and Panels
 - f. Micro Grid Analytics and Management
 - g. Smart Grid and Smart Cities

Additional Related Symposium and Workshops (TBA)

IMPORTANT DATES

Full Papers Due Date Last*

15 July 2019

Acceptance Notification

5 Aug 2019

Camera Ready Due

20 Aug 2019

Registration Deadline

25 Aug 2019

Program Available

01 Sept. 2019

STEERING & ORGANIZING COMMITTEE CHAIRS

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VISION

HONET-ICT vision over the last 16 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 and young researchers.

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 US visa.* All paper submissions will be handled electronically through EDAS. Authors should strictly follow the guidelines and template available at the website and prepare PDF-compliant version of their papers not exceeding five (5) double-column pages. Paper format/template with font sizes and the guidelines, and copyright form are available on the HONET-ICT 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.

<http://honet-ict.org>