ICICC-2020
International Conference on Innovative Computing and Communication

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************** CALL FOR PAPERS **************

SPECIAL SESSION ON
Performance Optimization in Networks through Smart & Sustainable Approaches (ONSS)

SESSION ORGANIZERS:
Dr. Sherin Zafar, Assistant Professor, Department of CSE, SEST, Jamia Hamdard, India,
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Dr. Sherin Zafar has 13+ years teaching experience. She is currently Assistant Professor in Department of Computer Science, School of Engineering Sciences & Technology, Jamia Hamdard. She is also currently joint-supervisor of PhD student Deepa Mehta (11/PHD/0016) working on "Optimiaztion In ZRP Through Neoteric Routing Approach" in Manav Rachna University, Faridabad, Neha Sharma (160020601005) working on "Trust Based Neoteric Optimized Routing Approach for MANET in GD GOENKA UNIVERSITY, HARYANA, Ashu (160020601005) working on "Trust Based Neoteric Optimized Routing Approach for MANET in GD GOENKA UNIVERSITY, HARYANA. She is PhD from MRIU Faridabad on "Optimized Secure Protocol for MANET using Biometric Approach" with CGPA of 8.36 under the guidance of Prof. M.K Soni , Former Professor NIT Kurukshetra, currently Pro. Vice Chancellor, MRIU and Prof. M.M.S Beg, Principal ZHCE, Aligarh Muslim University. She has published a patent on 31/05/2019: "System & Method Thereof for Secure Digital Health Network Based on Distributed Ledger Technology" Patent Application Number: 201911020422. She has Google Scholar Citations 110, h-index 7 and i-10 index of 4, Research Gate Reads 452, Citations 83, index of 8.22, Publons Profile as a reviewer for 41 journals, https://publons.com/author/1227614/sherin-zafar#profile and reviewed around 80 papers. Research Gate Profile:https://www.researchgate.net/profile/Sherin_Zafar3/contributions. She has published around 50 research papers and chapters in Scopus, SCI and referred and impact factor journals and conferences.

Dr. Mohd Abdul Ahad, Assistant Professor, Department of CSE, SEST, Jamia Hamdard, India,
itsmeahad@gmail.com
Dr. Mohd Abdul Ahad is currently working in the Department of Computer Science and Engineering, School of Engineering Sciences and Technology, Jamia Hamdard, New Delhi, India. He has a rich experience of more than 11 years in the field of Computer Science and Engineering. He obtained his Ph.D. degree in the field of Big Data Architecture. His research areas include big data architecture, Distributed Computing, IoT, Sustainable Computing. He has published several research papers in various International Journals of repute. He has chaired several sessions in International Conferences of Springer, Elsevier etc. He is a Certified Microsoft Innovative Educator and a certified Google

Educator. He is a life member of Indian Society of Technical Education (ISTE) as well as an active member of IEEE and ACM.

44.   Journal of Agriculture and Ecology Research International.
45.   CSAE 2019, The International Conference on Computer Science and Application Engineering, Shangai.
46.   EnPress Journals.
47.   International Journal of Risk and Contingency Management (IJRCM).]

SESSION DESCRIPTION:
In today's scenario with rapid development of wireless sensing applications, computing technologies and their related analytics techniques involved in real time applications of healthcare, agriculture, construction and manufacturing all require an active generation of sustainability, digitization and intelligence which has become need of hour for academic world, industries, government organizations and private collaborations etc. In recent time intersection of performance optimization of wireless networks with sustainable growth is not fully exploited. This session papers will highlight upon drawbacks of conventional technologies and methodologies utilized in networks, their associated Quality of Service (QOS) issues, case studies of present methodologies and the involvement of neoteric approaches to optimize and sustain the performance of these networks for real time applications. Design, implementation, optimization, energy efficiency and sustainability are key goals for wireless and sensor based networks. Also big data analytics utilizing Artificial Intelligence (AI), Machine Learning (ML) and Deep Learning (DL) based decision making techniques are required to be developed for smart healthcare, smart manufacturing and for smart agriculture based industries. The session through its research papers will focus on making the environment sustainable in the current scenario of 5G technologies. It will also focus on green automation not limited to in computers with wireless and sensor based technologies but will also attract various disciplines like: nano-science, information technology (IT), biochemistry etc. The session is characterized through descriptions of sustainability, green computing, their relevance to environment, society and its applications with current utilization of wireless and sensor based networks. This session will link the concept of green automation with sustainable environment through information technology and their impacts on future.

RECOMMENDED TOPICS:
Topics to be discussed in this special session include (but are not limited to) the following:

- **Performance optimization through Big Data Analytics.**
- **Sustaining Cloud and its applications.**
- **Internet of Things & Internet of Everything.**
- **Deep Learning Algorithms for Performance Optimization.**
- **Smart Home Automation.**
- **Smart Garbage collection.**
- **Smart Accident detection and reporting.**
- **Smart Patient Health Care.**
- **Smart Flood Monitoring.**
- **Smart Climate Change and Weather Monitoring.**
- **Big Data Analytics for Sustainable Computing.**
- **Sustainable Healthcare.**
- **Sustainable Agriculture Management.**
- **Decision making algorithms through AI and ML.**

- **Big Data and Sustainable Governance.**
- **Energy Efficient Solutions for Networks.**
- **Energy Constrained Systems (IoT, Sensors, Robotics etc).**
- **Performance Optimization in Networks and its associated opportunities, issues and Challenges.**
- **Big Data for Sustainable Business.**
- **Solutions for Societal Issues and Challenges using Performance Optimization in Networks.**
- **Wireless Networks their issues, challenges and QOS Optimization.**
- **Soft Computing Techniques for Performance Optimization.**
- **Sentiment Analysis & Real Time Optimization Issues.**
- **Data Mining Algorithms for Optimization in Networks.**

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on **Performance Optimization in Networks through Smart & Sustainable Approaches** *on or before* **1st December 2019.** All submissions must be original and may not be under review by another publication. INTERESTED AUTHORS SHOULD CONSULT THE CONFERENCE'S GUIDELINES FOR MANUSCRIPT SUBMISSIONS at http://icicc-conf.com/paper_submission.html. All submitted papers will be reviewed on a double-blind, peer review basis.

NOTE: While submitting paper in this special session, please specify [**Performance Optimization in Networks through Smart & Sustainable Approaches (ONSS)**] at the top (above paper title) of the first page of your paper.

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