

ICDAM-2022
International Conference on Data Analysis and Management
Organized by THE KORKONOSZA UNIVERSITY OF APPLIED SCIENCE

On 25th - 26th June, 2022

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

SPECIAL SESSION ON

Emerging Applications of Green Wireless Network, Deep Learning, Internet of Things and its impact on Industry 4.0

SESSION ORGANIZERS:

1. Dr. A. Suresh,
2. Dr. S. Vimal,
3. Dr. R. Udendhran,

EDITORIAL BOARD: (Optional)

1. Dr A. Suresh, Associate Professor, Department of Networking and Communications, SRM Institute of Science and Technology, Chennai, India. prisu6esh@ieee.org; prisu6esh@gmail.com
2. Dr. S. Vimal, Associate Professor, Department of Artificial Intelligence and Data Science, Ramco Institute of Technology, Rajapalayam, India. vimal28.05.1984@gmail.com
3. Dr. R. Udendhran, Assistant Professor, Department of Computer Science & Engineering, Sri Sairam Institute of Technology, Chennai, India. udendhran.cse@sairamit.edu.in

SESSION DESCRIPTION:

One of the most important research area in recent years has been green communication. Green communication is the process of using energy-efficient communications and networking technology and products in all areas of communication, limiting resource consumption whenever feasible. In the realm of wireless communication networks, industry internet of things or IIoT usage has achieved new heights in recent years and will continue to do so in the coming years. The prevalence of wireless applications has drawn attention to green wireless networks in the hopes of discovering creative methods to increase energy efficiency. The industry internet of things is just beginning to confront the tremendous environmental effect that they have generated, as well as the expense of electricity use. Internet of Things (IoT) helps to process various kind of sensory data in industries. Deep learning provides an independent processing access to a remote device having distributed sharing of manufacturing company resources. Deep learning performs various kinds of analytics to analyze business and returns statistical reports of trading firms. The industrial revolution 4.0 converges all these technologies to a single point of facilitation where large-scale industries could get a converged benefit. The main objective of this special session is to present the research from different areas of science and technology focusing on the green wireless communication. This special session provides a platform for researchers and scientists across the world to exchange and share their experiences and research results about all aspects of IoT, IIoT, wireless communication, deep learning to solve the societal problem to make the world a better place to live in. This special session also provides an

opportunity to interact and establish professional relations for future collaboration to extend the services to the community selflessly. The special session aims to promote innovations and work of researchers, engineers, students and scientists from across the world on advancement paradigms has revolutionized industry applications with their individual robust data management and processing techniques through various hardware and software connectivity processing protocols. The special session welcomes researchers and professionals' contributions related to green wireless communication together in the form of business intelligence strategies for industry, frameworks, technological use cases, policies, protocols and services related to technology convergence in green wireless network and industry 4.0

RECOMMENDED TOPICS:

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

- **Optimization and experimental approaches for green wireless networks**
- **Deep learning based privacy preserving techniques in green wireless communication**
- **Green IoT Networks using Machine Learning for industry 4.0**
- **Deep learning-driven wireless communication**
- **Green Communications for Energy-Efficient Wireless Systems**
- **Interoperability and distributed manufacturing in IIoT**

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on **Emerging Applications of Green Wireless Network, Deep Learning, Internet of Things and its impact on Industry 4.0 on or before 28.02.2022**. 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://icdam-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 **Emerging Applications of Green Wireless Network, Deep Learning, Internet of Things and its impact on Industry 4.0** at the top (above paper title) of the first page of your paper.

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