International Conference
on
Signal Processing and Advance Research in Computing
(SPARC-2024)
12-13 September, 2024
Amity School of Engineering and Technology, Amity University, Lucknow, U.P., India

Special Session

On

"Recent Advancements in Machine Learning, Deep Learning and Neuromorphic Computing"

IEEE

International Conference

on

Signal Processing and Advance Research in Computing

(SPARC-2024)

We are happy to announce that Amity School of Engineering and Technology, Amity University Uttar Pradesh Lucknow Campus is organizing an IEEE sponsored International Conference on Signal Processing and Advance Research in Computing (SPARC-2024) at Amity University Uttar Pradesh Lucknow Campus on 12-13 September 2024 in hybrid mode. All submissions will be subject to peer reviews, accepted and presented papers will be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore's scope and quality requirements.

Session Chairs:

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SESSION DESCRIPTION

Engineering advances drive practical AI applications across diverse fields, efficiently handling complex tasks like data processing, image classification, and healthcare. Deep learning, aiming to emulate the human brain through neural networks, offers sophisticated solutions despite requiring significant computational power. Neuromorphic computing, a hardware-based approach, overcomes challenges faced by software counterparts, addressing issues like power consumption and speed. Spiking neural networks, in hardware implementations, provide accurate brain emulation, making them suitable for various applications despite software limitations.

For paper submission follow the link below

https://cmt3.research.microsoft.com/SPARC2024

Theme of special session:

1. Supervised Learning
2. Unsupervised Learning
3. Disease classification/ Prediction
4. Plant Disease Classification/ Prediction
5. Malware Detection
6. Deep Learning
7. Neuromorphic Computing
8. Spiking Neural network
9. Convolutional Neural Network
10. Recurrent Neural Network and LSTM
11. Generative Adversarial Network

Important Dates

Submission Deadline:	30th June 2024
Acceptance Notification:	20th July 2024
Camera Ready and Registration Deadline:	15th August 2024
Conference:	12th and 13th September 2024

For more information, please visit our conference website.

https://www.amity.edu/lucknow/sparc-2024/default.aspx

For any further queries related to this special session, please contact the session chair at:

Session Chair: **Dr. Atul Srivastava**
Email: ID: **atul.nd2@gmail.com**
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NOTE: While submitting the paper in this special session, please specify following at the top (above paper title) of the first page of your paper—

[*Recent Advancements in Machine Learning, Deep Learning and Neuromorphic Computing*]