

Nasimul Noman, PhD

Title: Evolving Intelligence with Nature’s Recipe – From Pixels to Paragraph and Beyond

By Dr. Nasimul Noman (Associate Professor, School of Information and Physical Sciences, The University of Newcastle, Australia)

Abstract: In recent years, deep neuroevolution has emerged as a powerful approach to designing, training, and optimizing deep neural networks. Inspired by nature’s way of solving complex problems, this approach combines evolutionary algorithms with deep learning to design and optimize intelligent systems. In this talk, Dr. Noman will walk through the journey of deep neuroevolution—from its early foundations to current developments—highlighting its main ideas, challenges, and growing relevance. He will share some of his own work applying this technique to diverse areas such as image recognition, malware detection, and sentence classification. He will also present some exciting developments from across the fields.



Talk by Dr. Nasimul Noman

Associate Professor

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Time: 5:00pm

[Teams Link](#)



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Brief Bio: Dr. Nasimul Noman is an associate professor at the University of Newcastle, working in the field of Evolutionary Computation, Machine Learning and their applications in various domains. He has approximately 100 publications in many top journals and conferences. He has worked in different reputed organizations like Harvard Medical School and University of Tokyo. He has supervised 11 PhD theses and currently supervising another 8 PhD theses. He is an editor for “Applied Computational Intelligence and Soft Computing” and “BioMed Research International” journals.

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