

Second International Conference on Machine Learning, Deep Learning and Computational intelligence for wireless Communication (MDCWC2023)

Second International Conference on Machine Learning, Deep Learning and Computational intelligence (**MDCWC 2023**), organized by Pattern recognition and Computational intelligence group, Department of Electronics and Communication Engineering was successfully conducted between 22nd to 24th June 2023. **Dr. E.S. Gopi, convener and conference chair** mentioned about the availability of huge scope to still raise the standard of wireless communication in terms of massive connectivity, capacity enhancement, ultra high reliability, low latency using Machine learning (ML), Deep learning (DL) and Computational intelligence (CI) algorithms and this conference acted as one of the platform that helps to bring wireless research community and machine learning research community to submit their findings integrating ML, DL and CI for wireless communication. **Dr. P. Maheswaran**, Assistant professor was a coordinator of the event and mentioned that **53 (accepted papers) out of 159 submitted papers** presented by the authors during the conference.

Presidential address was given by **Prof. G. Aghila, Director, NIT, and Tiruchirappalli**. She had suggested to setup even more related infra structure at the Department of ECE to facilitate the faculty and scholars to perform high quality research in this domain Special address was given by **Prof. M. Chidambaram, Education reformer, Retired professor form IIT Madras and former Director, NIT, Tiruchirappalli** was the Guest of honor. He had highlighted the importance of Artificial intelligence on all Engineering discipline.. Proceedings of the book MDCWC2020 (**Published by Springer**) was released jointly by **Prof. M. Chidambaram and Prof. G. Aghila**.

Prof. Arumugam Nallnathan, is Professor of Wireless Communications and the Founding Head of Communication Systems Research (CSR) Group in the School of Electronic Engineering and Computer Science at Queen Mary University of London (QMUL), and **Dr.Jithin Jagannath**, Founding Director of Marconi-Rosenblatt AI/ML Innovation lab, Adjunct Assistant professor from the Department of Electrical Engineering at the University at Buaffalo were the Key note speakers. Four Invited talks were delivered. Two from wireless domain by the eminent faculty members **Dr. G. Swaminathan** from IIT Indore and **Dr.Prabhat kumar sharma** from VNIT, Nagpur. Other two invited talks were delivered in machine learning domain by **Dr. Narayanan C Krishnan**, Head, Department of Data Science, IIT Palakkad and **Dr.Rahul Meshram**, IIT Madras. Workshop was conducted by Chandhar research lab as part of the event. **Prof S. Raghavan** (Retired professor), **Prof..P. Muthuchidambaranathan** and **Dr.G.Thavasi Raja** were also felicitated during the inaugural session of the conference.