

Machine Learning, Deep Learning and Computational Intelligence for Wireless Communication (MDCWC 2023)
(Hybrid Event)

(FIRST COME FIRST SERVED BASIS)

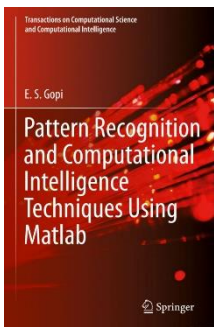
Theme: Mathematical Foundation for Machine Learning and Wireless Communication

Date: June 23rd 2023 Time: 1.45 P.M. to 3.45 P.M.

Venue: NIT, Tiruchirappalli (Online participation through webex*)

**Session 1: Bayes Technique for Machine Learning**

Most of the Machine learning algorithms like Regression, Classification, Clustering, etc. are formulated using Bayes technique. The workshop focusses on sample problem formulation and the methodology to solve using Bayes technique. This will be useful for the beginner researcher those who are doing research in Machine learning applications. Talk will be based on the book authored by the speaker "Pattern recognition and Computational intelligence using Matlab", Springer publications, which is recognized as one of the Best New pattern recognition books by the Book authority (leading site for book recommendations)



Speaker: [Dr. E.S. Gopi](#), Associate professor, Department of ECE, NIT, Tiruchirappalli

Session 2: Introduction to Orthogonal Frequency Time Space (OTFS)

One of the recently developed promising modulation techniques based on Delay-Doppler representation of data is OTFS. The talk gives the mathematical introduction of the OTFS model with demonstration using Matlab. This will be helpful for the beginner research scholars those who are doing research in wireless domain. The talk will be based on the recent publication by the speaker on the recently published article "On the Performance of Generalized Spatial-Index Modulation Based Orthogonal Time Frequency Space System", published as the proceedings of National Conference on Communications 2023.

Speaker: [Dr. P. Maheswaran](#), Assistant professor, Department of ECE

Organized by

Pattern recognition and Computational intelligence group
Department of Electronics and Communication Engineering
National Institute of Technology Tiruchirappalli



Registration fee: Rs.1000

1. For payment <https://www.onlinesbi.sbi/sbicollect/icollecthome.htm> > Educational Institutions > CONFERENCE AND WORKSHOP NIT TRICHY > ECE MDCWC 2023)
2. Workshop registration: <https://forms.gle/HpZWQw6uN3aai4QWA>

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*Webex link will be shared to registered online participants