To

Invitation

Department of Electronics and Communication Engineering National Institute of Technology Tiruchirappalli Invites you to the

> Guest Lecture By

Prof. K. M. M. Prabhu Department of Electrical Engineering IIT Madras (Retd.)

2nd August 2018 9:00AM Onwards Venue: A13 Topic: Introduction to Research

Coordinator: **Dr. E. S. Gopi** Head of the Department: **Dr. G. Lakshminarayanan**



Dr. Prabhu K. M. M., has made many significant theoretical and practical contributions in the broad area of Digital Signal Processing (DSP) with specific reference to high speed algorithm development, application of DSP to radar, communications and sonar. He has authored and coauthored nearly 130 research

publications. He is the Associate editor for the Journal on Circuits, Systems and Design (Springer Publications). He is the author for the book titled "Window functions and their applications in signal processing" (Published by CRC Press (Taylor and Francis Group)).

Few Notable Publications of Prof. K. M. M. Prabhu New radix - 3 and -6 decimation-in-frequency fast Canadian Journal of Electrical and Hartley transform algorithms **Computer Engineering** Improved least squares channel estimation for IET Signal Processing orthogonal frequency division multiplexing FIR digital filter design with variable parameter Journal of Electronic and Radio window families Engineers Generalized families of windows for use in signal Journal of Electronic and Radio processing Engineers On the Eigenvalues of Matrices for the IEEE Transactions on Signal Reconstruction of Missing Uniform Samples Processing Block filtered-s least mean square algorithm for IET Signal Processing active control of non-linear noise systems Fast Adaptive Algorithms for Active Control of IEEE Transactions on Signal Nonlinear Noise Processes Processing Sparse channel estimation in OFDM systems by Electronics Letters threshold-based pruning Optimised data windows Electronics Letters Performance comparison of data windows Electronics Letters Window Functions and their Applications in Signal Processing K. M. M. PRABHU CRC Press

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