



**Computer Society of India, Chennai Chapter
IEEE Computer Society, Madras Chapter
and
IEEE Professional Communication Society, Madras Chapter**

cordially invites you to a presentation on

“Acoustics & Speech Processing and its Applications”

by

Mr. R Kishore Kumar

Research Scholar and Senior Scientific Officer
Department of Computer Science & Engineering
Indian Institute of Technology, Kharagpur

on Monday, 12th June 2017 at 6.00 p.m.

at

Seminar Hall, CSI Education Directorate, Taramani, Chennai – 600113

(Situated in the opposite lane to Indira Nagar MRTS Railway Station. About 100 meters from Dharmambal Women's Polytechnic & Opp. Inst. of Mathematical Sciences and Inst. of Hotel Management)

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Programme: 6.00 p.m. – Tea & Fellowship :: 6.30 p.m. – Presentation :: 7.45 p.m. – Dinner

About the Presentation: The venerable state of speech is mainly due to its acoustics which was discovered in early 1950's. It consists of production, transmission and hearing. Each and every stage involves unavoidable acoustic distortions due to age, gender and other environmental factors. In spite of having these deviations, the linguistic information from speech is easily understood by the listener as and when the communication occurs. This gets materialized, when external linguistic factors change, the internal acoustic models also get changed. The basic speech structures are invariant even though it has these variations. There comes the main reason of evolving speech processing and identifying the knowledge from it. Now days, the technologies are improving to process these speech or acoustics in different forms to extract information and to solve the real world problems. At this juncture, processing of general sound is analyzed along with human voices. Major attempts were done in the speech recognition, language identification, and speaker identification in both supervised as well as unsupervised way.



About the Speaker: R Kishore Kumar is currently a Research Scholar and Senior Scientific Officer in the Department of Computer Science & Engineering, Indian Institute of Technology, Kharagpur. He previously worked as Assistant Professor at the Department of Information Technology, Rajalakshmi Engineering College, Chennai. He holds a M. E. in Computer Science & Engineering from SSN College of Engineering, Chennai and B.E in Computer Science & Engineering from Rajalakshmi Engineering College. He is a member of CSI and ISACA. His research area includes Web Content Mining, Web Service Security,

Speech Processing and Pattern Recognition.

To facilitate logistics, please pre-register at <https://goo.gl/forms/IzgBXPj0LlrReMLz1>