

Speakers

Dr. T.E.S. Raghavan
University of Illinois, USA

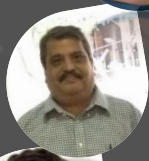


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ISI, Delhi, India



Dr. R Balaji
IIT Madras, India

Dr. T. Parthasarathy
CMI, Chennai, India



Dr. Ravindran
ISI, Chennai, India

Dr. S.K. Neogy
ISI, Delhi, India



Dr. K. Manjunatha Prasad
MAHE, Manipal, India

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National Workshop on Special Matrices and Stochastic Games

Sikkim Manipal Institute of Technology, Sikkim

 Jan 06-15, 2020

 SMIT, Sikkim, India



Jointly organized by

Department of Mathematics, SMIT, Sikkim

&

CARAMS, MAHE, Manipal

Department of Mathematics,
Sikkim Manipal Institute of Technology, Majhitar, Sikkim, India



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<https://carams.in/events/wsmg2020>

About the workshop

This workshop, WSMSG 2020, is in a continuation of the workshop on National Workshop on Matrix Analysis and Game Theory (MAGT 2018) held in MAHE, Manipal during December 10-21, 2018. This workshop will extend the topics of special matrices and Game theory discussed in MAGT 2018. Video lectures of MAGT 2018 are available through the following link:

<https://carams.in/courses/magt-2018-lectures/>

Several interesting matrices are involved in the class of special matrices which are used in solving many problems using linear complimentary problems. Such special matrices are introduced starting with Perron theorems following necessary tutorials. With quick review of basics of game theory by introducing Nash Equilibria and Shapely value, the basics of stochastic games will be introduced and discussed in detail, including zero sum and nonzero sum games. Topics such as complementary slackness and algorithms for some special classes of stochastic games will be discussed in detail.

The pool of resource persons includes TES Raghavan, University of Illinois, Chicago, Ravindra B Bapat and S K Neogy from Indian Statistical Institute, Delhi, T Parthasarathy, Chennai Mathematical Institute and so on.

SMIT is one of India's premier technology and management institutes. Spread across 35 beautifully landscaped acres, the campus is home to over 3200 students, 220 members of faculty and a large and efficient team of support staff. The academic standard of SMIT is at par with the best institutes in the country. A highly qualified and dedicated faculty ensure that the students are provided with a holistic education that makes them job ready, industry ready and most important, life ready. Read more at <https://smu.edu.in/smit.html/>

The Department of Mathematics, SMIT, has a strength of 13 faculty members who are actively associated in research work in different fields of pure and applied mathematics. This provides a perfect platform to the nascent engineers and mathematicians to enhance their knowledge in the fields of Mathematics. Faculty members have numerous publications in the reputed journals and conference proceedings.

CARAMS has been established in September, 2018 at MAHE with the objective of fostering advanced research and training in the area of Mathematics, Statistics and their applications. It facilitates the bridging of the gap between Mathematicians/Statisticians and Applied Mathematicians working in the area of Health, Technological, and Social Sciences. Read more at <http://carams.in>

How to Register?

Register online in our portal using the link <http://carams.in/registration> and pay the registration fee through the SBI Collect. For more info, visit our website.

Registration Fee

Category	On/Before Dec 01, 2019	After Dec 01, 2019
Industrial delegate	₹6000	₹7000
Academic delegate	₹5000	₹6000
UG/PG students	₹3000	₹4000
Foreign Delegate	\$500	\$550
SMIT Faculty/Staff/ Research scholars	₹5,000	₹5,000
SMIT UG/PG Student	₹3,000	₹3,000

Accommodation

Registration fee includes kit, breakfast, lunch and dinner. Accommodation at a Guest House/Shared flats/Hostel will be arranged, on prior request on a payment basis. The payment towards the hostel accommodation may be partially/fully waived off/reimbursed by the organizers depending on the availability of funds.

Important Date

Last date for accommodation request : Dec 15, 2019



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