

**Science and Engineering Research Board
(SERB) of the
Department of Science and Technology,
Government of India, New Delhi (DST)
Sponsored**

**2014 SERB SCHOOL
on**

Matrix Methods & Fractional Calculus

**(Monday 28th April 2014 – Friday 23rd May 2014)
(4 weeks)**

organized by the

**Centre for Mathematical and Statistical Sciences
(CMSS)**

in collaboration with the

**S.R. Institute for Basic Sciences of the
Kerala State Council for Science,
Technology and Environment (KSCSTE),
and
Kerala Forest Research Institute (KFRI)**

GENERAL INFORMATION



CENTRE FOR MATHEMATICAL AND STATISTICAL SCIENCES (CMSS)

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Some General Information and Instructions

Centre for Mathematical and Statistical Sciences (CMSS)

Formerly Centre for Mathematical Sciences India (CMS), was established in 1977 by Professor Dr Aleyamma George as an autonomous nonprofit registered society. It is governed by a Council of scientists. By the end of 1984 the founding Director Professor Aleyamma George passed away and in January 1985 the governing Council requested Dr A.M. Mathai (Professor of Mathematics and Statistics, McGill University, Canada) to take charge as the Director of CMS. The office and library are at CMSS Peechi Campus at present.

CMSS library

CMSS library, located at CMSS Peechi Campus at present, has a collection of over Rs 15 crores worth of back volumes of research journals, books and reprints collection of Mathematics, Statistics and related areas. These were collected by Professor Mathai from his friends, colleagues and co-researchers in North America and shipped to India. CMSS library has the rare collection of portraits of over 300 ancient and recent World Mathematicians. Such a collection may not be there anywhere in the world. A two-volume book giving brief biographies of World Mathematicians, prepared for the general public, is kept in CMSS library.

The Kerala State Council for Science, Technology and Environment (KSCSTE)

This is Kerala State equivalent of DST, New Delhi, with activities parallel to those of DST, New Delhi. KSCSTE recently established an Institute for Basic Sciences called Srinivasa Ramanujan Institute for Basic Sciences. Under KSCSTE there are several research institutes. One such institute is the Kerala Forest Research Institute (KFRI) situated near the picturesque Peechi Dam area. CMSS has established its Peechi Campus in one of the buildings of KFRI. The 2014 SERB School will be conducted at CMSS Peechi Campus.

General instructions to the participants

Your accommodation will be arranged either at the dormitory of KFRI or at Highway Place Inn Hotel at the junction of Peechi Road and Kochi-Coimbatore highway. Your laundry charges at the place of stay are not met by the SERB School. Please make your own arrangements. For incoming phone calls at the place of stay please make your own arrangements.

During weekends (Saturday and Sunday) if you wish to go out then you will be allowed to go out on your own expenses. The guest house where you stay must be informed by you in advance so that they do not prepare food for you. If they prepare food for you then that is charged to us and the food will be wasted.

In the past, we used to run free TEX, LATEX and Maple training during Saturdays and Sundays. Participation is purely voluntary. If there is sufficient number of participants interested in such training programs then we will run those programs during 2014 SERB School also.

Incoming telephone calls, messengers etc are not allowed at the lecture hall during class hours, that is, during 08.30-13.00 hrs, 14.00-18.00 hrs. If you are called out for any reason, other than a medical emergency, it will be taken as being absent from the class, and automatically dismissed from the program. Hence please inform your relatives and friends about this in advance. Your mobile phones should not ring during lecture hours and problem sessions. No accompanying person or visitor is allowed in the classrooms and premises. If anyone is accompanying you to bring you to the place of stay or to the SERB School he/she must leave before the classes begin. At the first instance of violation of these rules the participant is removed from the course and sent home on his/her own expense.

The School is very strict about full attendance in each and every lecture and problem session and full concentration in your work and study during working days. As informed you earlier through e-mail and circulars, if you are late to come into any class or problem session or leave the class early, even by one minute without prior permission, then you will be dismissed from the School and sent back home. SERB (DST, Delhi), is also very particular that the participants attend all the lectures and problem-solving sessions and take a serious effort to learn the materials covered in the School.

The aim of the School is to teach you a few topics in the general theme of the School. An attempt will be made to start each topic from fundamentals and bring to the research level. Each participant must do a lot of exercises of problem-solving so that the materials covered in the lectures are understood properly. The School does not aim at covering a large number of topics but rather teaching a few topics in-depth.

CMSS Peechi Campus is only one kilometer away from the beautiful Peechi irrigation dam. It is a tourist area. Trichur town, considered to be the cultural capital of Kerala, is only 18 kilometers away. At the center of the town is the famous temple where the world famous Trichur Pooram festival takes place. This Pooram has the largest number of decorated elephants in procession. The oldest college in Kerala, St Thomas College Trichur (125 years old), is in this Trichur town. The most holy Krishna Temple at Guruvayoor is only 44 kilometers away. Other famous tourist spots around CMSS Peechi Campus are the following: Athirappilly waterfalls (68 km), Chimmuni dam (30 km), Mangalam dam (44 km), Malampuzha dam (68 km), Nelliampathy hills (64 km), Silent Valley (125 km).

Course Director