National Center for Mathematics

(A joint center of TIFR and IIT Bombay)

Advanced Training in Mathematics Schools

www.atmschool.org

(Supported by ARSI)

RMS-NCM TEACHER'S ENRICHMENT WORKSHOP (TEW) ON "COMPLEX ANALYSIS-FROM A GEOMETRIC VIEWPOINT"

Venue: VIVEKANANDA MAHAVIDYALAYA, BURDWAN, WEST BENGAL.

(www.vmbdn.in)

DECEMBER 27 – 31, 2013

Organizing Committee: Dr. Krishnendu Gongopadhayay, Dr. Biswajit Mitra, Mr. Abhishek Mukherjee, Mr. Sudip Mazumder

Brief Description of the TEW

The Teacher's Enrichment Workshops are a joint initiative of the IITB-TIFR National Center of Mathematics and the Ramanujan Mathematical Society. The objectives of these workshops are to introduce college mathematics teachers to interesting topics in the basic subjects they teach. These lectures present interesting connections with other fields of mathematics or novel ways to teach a topic from the syllabus. The trained teachers may then deliver these lectures to some of the better students in their classes. The material covered in these lectures may be a starting point of reading projects that some good students in colleges may undertake.

The workshops will be largely interactive. The process of learning is described as "1/4th from teacher's teaching, 1/4th from one's own efforts, 1/4th from discussion with the like-minded people, and 1/4th from sleeping over the material for a long time". The workshops will follow the second and third steps in this process.

TEW on Complex Analysis

In the proposed TEW on complex analysis, emphasis will be given on the geometric viewpoint. We shall have three mini-courses in this program. Significant amount of time will be devoted to group discussions and tutorials. The aim of these courses would be to depict a flow of ideas along with absolute mathematical precision wherever possible. We hope the courses will provide a geometric realization of several topics of complex analysis to the audience.

The syllabus of the workshop has been designed in a way so that the major part of the workshop will be devoted to foundational aspects of complex analysis. A salient feature of the proposed workshop is that besides foundational aspects, the participants will also be exposed to some advanced topics like Mobius geometry or Complex Dynamics. In addition to the mini-courses, we shall also have two survey talks on the last day of the program.

Resource Persons

H.L. Vasudeva (IISER Mohali and PU Chandigarh)
Kingshook Biswas (RKMVU Belur)
Krishnendu Gongopadhyay (IISER Mohali)
Tarakanta Nayak (IIT Bhubaneswar)
Brundaban Sahu (NISER Bhubaneswar)

Survey Lectures

K.C. Chattopadhyay (Burdwan University)
Indrajit Lahiri (Kalyani University)

How to Apply

Anyone interested to participate in the workshop should apply online. Application form and other information about the workshop are available in the following website.

www.atmschools.org/2013/tew/ca

Last date of Application: Nov 27, 2013.

Eligibility for Participation: Applications are invited from lecturers in Mathematics who are teaching in a regular position at a college/university in India. Preferences will be given to UG/PG college teachers in the region. The workshop is primarily for college teachers, though a few exceptions may be made for a small number of research scholars or post-doctoral fellows.

Financial Support: Due to limited funds, we expect the participants to draw travel fund from other sources. For a very few outstation participants, limited accommodation is available. Meals will be provided to the participants during the workshop. If the number of total participants exceeds 35, then a small amount of registration fee will be charged from each participant.

Contact: math.barddhaman@gmail.com

***Selected participants will be intimated by email in due course.