

Workshop on "Integral Equations - Solvability Analysis and Applications"

OCTOBER 19 – 25, 2015

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY
WAKNAGHAT, SOLAN, HP

There has been a substantial increase in research activity towards the growth of functional analysis, involving both the linear operator theory - bounded and compact operators, Riesz theory, dual systems, Fredholm alternative etc. - as well as nonlinear operator theory - fixed point theory, monotone operators, degree theory etc. However, in the Indian context, this growth has not much manifested itself towards applications pertaining to problems modelled by boundary value problems and integral equations, crucial for some areas of interdisciplinary research.

This workshop intends to bring out the applicability potential of the theory of integral equations.

TOPICS

- Basic Theory of Linear Integral Equations
- Solvability Analysis of Nonlinear Integral Equations
- Mathematical Modelling with Applications
- Computational Strategies.

TARGET AUDIENCE

Ph. D scholars, Young researchers in universities and R & D organizations and Advanced Level M.Sc. and B.Tech students with sufficient analysis background.

LOCAL ORGANIZING COMMITTEE

Rakesh Bajaj (Coordinator), Narendra Kumar, Manoj Gaur, Madan Mohan Sati, JUIT, Wagnaghat, HP;
Mohan Joshi, IIT Gandhinagar.

RESOURCE PERSONS

Mohan Joshi (IIT Gandhinagar); N Sukavanam (IIT Roorkee); A K Nandakumaran (IISc, Bangalore); K Balachandran (Bhrathiar University, Coimbatore); Raju K George (IIIST, Thiruvananthapuram) ; Sree Hari Rao (JNT, Hyderabad); Amiya K Pani (IIT Bombay) ; Rathish Kumar, (IIT Kanpur); Anil Kumar (BITS-Goa Campus, Goa).

REGISTRATION

A fee of Rs 1000/- will be charged from all participants to cover the program kit and working lunch. To participate in the workshop fill in the required online form available on the site: <http://www.npde-tca.math.iitb.ac.in/> by September 10, 2015. List of selected participants will be put on the webpage by September 12, 2015.

CONTACT

Convener
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