



National Centre for Mathematics

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Advanced Training in Mathematics Schools

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(Supported by National Board for Higher Mathematics)



NCM - Advanced topics in PDEs (2023)

Venue: **Jaypee University of Information Technology, Wagnaghat, Shimla Hills,
Distt - Solan, Himachal Pradesh.**

Date: **15th to 27th May 2023**



This NCMW aims to introduce the participants to the advanced topics in Partial Differential Equations (PDEs). This will be indeed immensely helpful to the researchers who are already familiar with the basics of PDEs, since we are going to discuss several state-of-the-art techniques related to Hyperbolic, Elliptic and Parabolic PDEs. We plan to discuss topics like BV compactness for scalar conservation laws, controllability of PDEs with their applications, Homogenization of elliptic PDEs, Compensated compactness method for scalar conservation laws, Caffarelli-Silvestre extension problems for fractional PDEs, and concentration compactness principle and their applications in the Sobolev embedding. This workshop is intended for Ph.D. students in the Universities and Research Institutions.

Organizers



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Workshop Co-ordinators



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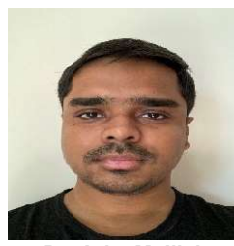


Dr. Ali Hyder
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Resource Persons



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Dr. Arka Mallick
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Dr. Rajib Dutta
(IISER, Kolkata)



Dr. Bidhan C Sardar
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General Information

Last date for receiving online applications: 15th April 2023

Number of Participants: 40

The list of selected participants will be put up in website after one week of last date of submission.

For More Details

Visit workshop webpage

<https://www.atmschools.org/school/2023/NCMW/atpdes>