



National Centre for Mathematics
(A joint centre of IIT Bombay and TIFR, Mumbai)
Advanced Training in Mathematics School
www.atmschools.org



Workshop on Topology of Manifolds and Group Actions

Venue : Department of Mathematics, Delhi University, Delhi

November 9-22, 2017

Organizers : Prof. Satya Deo, Dr. Hemant Kumar Singh, Dr. Satya Prakash Tripathi

Objective of the Workshop

The workshop will be devoted to a thorough discussion of topological methods currently being used in computing the Cohomological structure of orbit spaces and fixed point sets of compact Lie group actions on manifolds and other topological spaces on the lines of P. A. Smith theory. Experts in the area will present selected topics from topology of Manifolds, Cech Cohomology, fiber bundles, Spectral sequences like the Leray-Serre spectral sequences associated with fiber bundles of Borel's constructions. Proper emphasis will be given on relevant tutorials which will supplement and enhance the material covered in lectures along with problem solving.

Eligibility for participation

Applications are invited from Young Researchers/ Lecturers in Mathematics who are teaching at a college/university in India. Students doing Ph.D. in Mathematics may also be considered for the workshop.

Financial support

Selected participants will be provided with accommodation and local hospitality. No TA will be paid to the participants of the workshop.

How to apply

Application form and other information about the programme are available on the following websites :

<http://www.atmschools.org/2017/atmw/tmga/application-form>

Completed application forms should reach:

Dr. Hemant Kumar Singh
Assistant Professor,
Department of Mathematics,
University of Delhi, Delhi
Pincode: 110007

Email: ncmtopologydu@gmail.com

Last date for receiving completed application is: 15th July, 2017

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

Resource Persons

- 1. Prof Satya Deo, HRI, Allahabad**
- 2. Prof S S Khare, NEHU, Shilong**
- 3. Prof Himadri Mukerji, NEHU, Shilong**
- 4. Prof Tej B Singh, University of Delhi**
- 5. Dr Virendra V Awasthi, VNIT, Nagpur**
- 6. Dr S P Tripathi, University of Delhi**
- 7. Dr H K Singh, University of Delhi**