



DST-SERB School on **“Role of Symmetries in Nuclear Physics”**



October 10 - 23, 2019

Amity Institute of Nuclear Science & Technology, Amity University Uttar Pradesh, Noida, India

Sponsored By:

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Aims of the School

Symmetries are all pervasive particularly in nuclear physics. Yet they continue to puzzle the young minds. The two week special school in nuclear physics theory will teach the most fundamental concepts as well the recent advances to emphasize the crucial role of symmetries and symmetry breaking.

Speakers and Topics to be covered

1. A.K. Jain/A. Goel (Amity, Noida): Role of Symmetries in Nuclei - An Introduction
2. V.K.B. Kota (PRL, Ahmedabad): Lie Algebras and Group-Subgroup Chains in Nuclei
3. B.K. Agrawal (SINP, Kolkata): Pairing, Quasi-Spin and Seniority
4. Piet van Isacker (GANIL, France): Symmetries of Interacting Fermion and Interacting Boson Models
5. S.R. Jain (BARC, Mumbai): Random Matrix Theory in Nuclei
6. Pan Feng (Dalian, China): Shape (Phase) Transitions in Nuclei
7. Javid Sheikh (Cluster Univ, Srinagar): Symmetry Restoration in Nuclei

The speakers will be supported by additional experienced faculty and tutors to support/enhance the learning experience of the participants.

Call for applications

Applications are invited from Ph.D. students, beginning post-doctoral fellows, young faculty members, and highly motivated M.Sc./ Integrated students. Travel by train (First Class/AC-III) and local hospitality will be provided to all the participants. Foreign participants are also invited but only local hospitality can be provided to them.

Online application forms can be found at www.amity.edu/ainst/serbschool The Research Supervisors/Head of Department should send the recommendations preferably by email to the directors of the school.

Deadline for receiving applications is: June 10, 2019

**Contact:
Directors of the school**

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