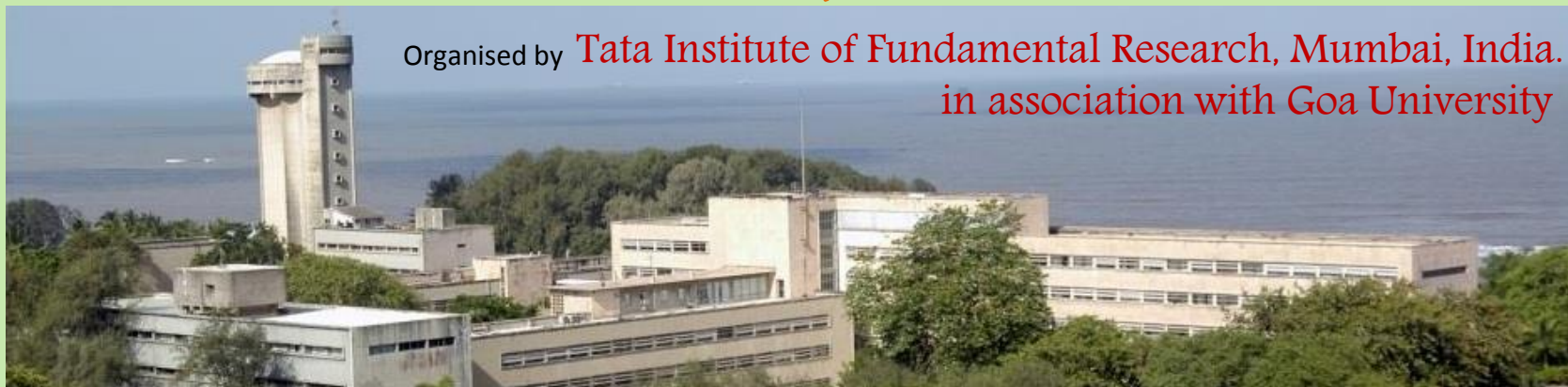


INTERNATIONAL CONFERENCE ON  
**HYPERFINE**  
INTERACTIONS AND THEIR APPLICATIONS  
Goa, India, February 10-15, 2019



Organised by **Tata Institute of Fundamental Research, Mumbai, India.**  
in association with **Goa University**

This conference is the major international forum to present and discuss recent results and future directions in all aspects of hyperfine interactions including their applications to problems in physics, chemistry, biology, medicine, geology, engineering etc.

## Scope and Topics

- Radioactive ion beams, radioisotope probes and ion-solid interactions
- Nuclear moments, nuclear polarization and nuclear models
- NMR/NQR and applications
- Low temperature nuclear orientation, Perturbed angular distribution, Perturbed angular correlations, Mössbauer and muon spin spectroscopies
- Resonance methods
- Synchrotron radiation, neutron scattering and other complementary techniques
- Metals, insulators and semiconductors
- Magnetism, magnetic materials and superconductivity
- Lattice and defect dynamics
- Surfaces, interfaces, thin films and nano-structures
- Theoretical methods for hyperfine field calculations
- Applications in biology, chemistry, medicine, engineering and geoscience
- New developments and future directions

### Abstract deadline:

**30<sup>th</sup> Sep. 2018**

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More info and full program:  
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