



## ICM 2010 Satellite Conference

# Galois Representations in Arithmetic and Geometry

August 10 - 13, 2010

International Centre, Goa, India

### Objective:

Galois representations have become increasingly important in arithmetic, algebraic geometry and the theory of automorphic forms. Some of the recent successes of the study of Galois representations are the proof of Fermat's Last Theorem by Andrew Wiles and the proof of Serre's conjecture by Khare and Wintenberger. There is a great potential for further advances and applications of the theory, for example in the direction of Langlands' philosophy. This conference will be a great opportunity for young researchers and students to acquaint themselves with the current state of the subject.

### Important Dates:

Registration begins: **1<sup>st</sup> January 2010**  
Registration closes: **28<sup>th</sup> February 2010**  
Announcement of list of participants: **15<sup>th</sup> April 2010**

### Financial Support:

Food and lodging to all participants and partial travel support is available.

### Invited Speakers

*Christophe Breuil (IHES)*  
*Pierre Colmez (University of Paris 6/7)*  
*Jean-Marc Fontaine (University Paris 11)*  
*Ralph Greenberg (University of Washington)*  
*Bruno Kahn (University Paris 6/7)*  
*Mahesh Kakde (Imperial College, London)*  
*Kiran Kedlaya (MIT)*  
*Minhyong Kim (University College, London)*  
*Filippo Nuccio (University of Heidelberg)*  
*CS Rajan (TIFR)*  
*Takeshi Saito (University of Tokyo)*  
*Peter Schneider (University of Munster)*  
*Marie-France Vigneras (University Paris 6/7)*  
*Jean-Pierre Wintenberger (University Strasbourg)*  
*Teruyoshi Yoshida (University of Cambridge)*  
*Sarah Zerbes (University of Exeter)*

### Organizing Committee:

John Coates (Cambridge)  
C.S. Dalawat (HRI)  
A. Saikia (IITG)  
R. Sujatha (TIFR)

### Contact:

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