

INDIAN-FRENCH LABORATORY OF SOLID STATE CHEMISTRY 2 (LAFICS 2)

Duration: 2018-2021

The LIA IFLASC2 is created to foster the long-term collaboration between India and France in Solid State Chemistry, solid-state science and materials needs specific tools to generate new materials with improved properties in different areas (such as optics, magnetism, conversion and storage of energy, biophysics...) and reinforce our strengths. For these reasons in 2003, the Indian-French Laboratory of Solid State Chemistry (named LAFICS in French) was created as an Associated International Laboratory, between the Centre National de la Recherche Scientifique (CNRS), the Université de Caen-Normandie, and the Indian Institute of Science, Bangalore (IISc). The success of this laboratory is essentially due to the partners that are the major actors working in materials science, solid state chemistry and solid state physics in France and India. Also involving the University of Bordeaux as a new Partner, the partners of this LIA will go on developing their common interests on materials (in the form of powder, nanomaterial, films), with multiple functionalities such as (i) multiferroicity (Ferroelectricity, Ferromagnetism, Piezoelectricity...), thermoelectricity, (ii) catalysis, (iii) photo-energy conversion, (iv) multimodal imaging. These materials have applications in domains as different as: sensing & actuating, data storage and non-volatile memories, MEMS, NEMS, micromachines, magnetoelectric transducers, microwave active/passive components, catalysis, energy and bio-imaging.

Partners:

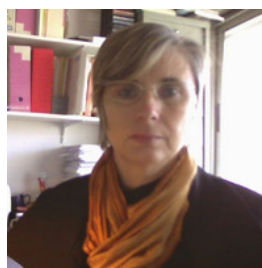
The Centre National de la Recherche Scientifique
The Université de Bordeaux
The Université de Strasbourg
The Ecole Nationale Supérieure d'Ingénieurs de Caen
The Université de Caen Basse Normandie
The Indian Institute of Science, Bangalore

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