

XXII INTERNATIONAL MATERIALS RESEARCH CONGRESS (IMRC 2013)

Symposium 7D

ADVANCES IN FUNCTIONAL SEMICONDUCTING MATERIALS

11-14 August 2013, Cancun México

Objective

To bring together national and international leaders in functional and semiconducting materials Scientists and Technologists to make focus on hot research topics related to advances in Synthesis, Characterization, Theoretical and Numerical modeling and Device applications.

Topics (not limited to)

- ✓ Functional and hybrid semiconducting materials
- ✓ Alloys of elemental semiconductors
- ✓ Semiconductor heterostructures
- ✓ Surface preparation, passivation and cleaning of semiconductor growth and processing
- ✓ Microscopy, spectroscopy of semiconductors and semiconductor nanostructures
- ✓ Modeling and numerical simulation of electronic, magnetic and optical features
- ✓ Electrooptic and magneto optic oxide materials
- ✓ Magnetic semiconducting structures
- ✓ Semiconductor quantum optoelectronics
- ✓ Quantum semiconductor devices and technologies
- ✓ Nitride and carbide semiconductors and devices
- ✓ Smart devices as well as innovating hybrid architectures

Invited speakers

1. Ulrich Schubert (Vienna, Austria)
2. Jean-Paul Salvestrini (Metz-Supelec, France)
3. Robert Kuszelewicz (CNRS, Paris, France)
4. A. K. Thakur (IIT - Patna, India)
5. Guorong LI, Shanghai Institute of Ceramics - (China)
6. Rafael Ramirez Bon, Cinvestav (Mexico)
7. H.-U. Habermeier (Max Planck Institut, Stuttgart, Germany)
8. Souad Ammar-Merah (ITODIS-CNRS, Paris, France)
9. Najoua Kamoun - (General Director (INRAP)- Tunisia)
10. M. Sridharan (Sastra University, India)
11. Alain Gibaud (IMMM-CNRS, Le Mans France)
12. Lounis Samir (FENSILAB, Julich, Germany)

Publications

1. Advanced Materials Research, Trans Tech Publications
2. NanoTrends - A journal of Nanotechnology and its Applications, NSTC

Symposium Organizers

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