



Joint International Conference Advanced Carbon NanoStructures

July 1 – 5, 2013, St Petersburg, Russia

Abstracts Deadline – March 1, 2013

Detailed information: <http://acns2013.org/>

Organizers:

- Ioffe Institute, Russia
- St Petersburg Nuclear Physics Institute, Russia
- NRC "Kurchatov Institute", Russia
- St Petersburg State Institute of Technology, Russia

International Advisory Committee

- F. Banhart**, Strasbourg University, France
- J. Davidson**, Vanderbilt University, USA
- M. Dresselhaus**, Massachusetts Institute of Technology, USA
- L. Echegoyen**, University of Texas At El Paso, USA
- T. Enoki**, Tokyo Institute of Technology, Japan
- D. Gruen**, Argonne National Laboratory, USA
- D. Guldi**, University of Erlangen-Nurnberg, Germany
- R. Kalish**, Israel Institute of Technology, Technion, Israel
- W. Kraetschmer**, Max-Planck Institute, Germany
- H. Kroto**, Florida State University, USA
- E. Osawa**, Nanocarbon Research Institute Ltd., Japan
- H. Shinohara**, Nagoya University, Japan
- F. Wudl**, University of California, USA

The Proceedings of the Conference

The Proceedings will be published as a special issue of the journal "Physics of the Solid State".

Scope

The program will traditionally include lectures by invited speakers, oral presentations and several poster sessions. The lectures and oral presentations will generally concentrate on the most recent advances in the following areas:

Materials	Phenomena
Fullerenes	Synthesis
Carbon Nanotubes	Electronic properties
Graphene	Magnetic properties
Nanodiamond particles	Optical properties
Carbon onions	Mechanical properties
Nanographite	Phase transitions
Nanoporous carbon	

and

Technology of all materials mentioned above
Theory and computer simulation of carbon nanostructures
Methods for characterization of nanocarbons
Applications of carbon nanostructures

Invited Speakers

- **Barnard A., CSIRO, Australia**
Modelling the Surface Chemistry of Nanodiamond
- **Bolotin K., Vanderbilt University, USA**
The title will be announced later
- **Haruyama J., Aoyama Gakuin University, Japan**
Graphene edge spins; Spintronics and magnetism in graphene nanomeshes
- **Kalish R., Technion, Israel**
Ultra Nano Crystalline diamond layers- interesting science and promising technology
- **Pichot V., French-German Research Institute of Saint-Louis, France**
The title will be announced later
- **Prato M., University of Trieste, Italy**
Applications of Carbon Nanostructures in the Fields of Energy and Nanomedicine
- **Rudolf P., University of Groningen, The Netherlands**
Playing Lego with graphene: new hybrid materials based on graphene and graphene oxide?
- **Shinohara N., Nagoya University, Japan**
Novel Advances in the Endohedral Metallofullerene Study
- **Su-Yuan Xie, Xiamen University, China**
Structures and properties of novel fullerenes captured by chlorination
- **Vazquez E., University of Castilla-La Mancha, Spain**
Non-conventional techniques for the manipulation of carbon nanostructures

Detailed information: <http://acns2013.org/>