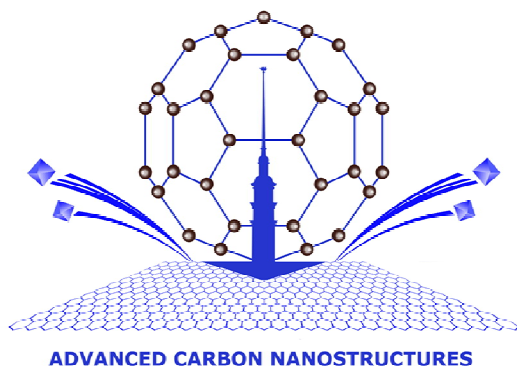


First Announcement
**13th Biennial
International Conference**
**ADVANCED CARBON
NANOSTRUCTURES**
(ACNS'2017)



July 3 - 7, 2017
St. Petersburg, Russia

Abstracts deadline – 20 March, 2017

ORGANIZERS

Ioffe Physico-Technical Institute, Russia

Petersburg Nuclear Physics Institute, Russia

*National Research Center "Kurchatov
Institute", Russia*

*St. Petersburg State Institute of Technology
(Technical University), Russia*

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**

- Fullerenes
- Carbon Nanotubes
- Graphene
- Nanodiamond particles
- Carbon onions
- Nanographite
- Nanoporous carbon

• **Phenomena**

- Synthesis
- Electronic properties
- Magnetic properties
- Optical properties
- Mechanical properties
- Phase transitions

And

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

PRELIMINARY LIST OF INVITED SPEAKERS

1. **Florian Banhart**, Strasbourg University, France
Chains of carbon atoms as elements of sp^1 -hybridized carbon
2. **Petr Cigler**, Institute of Organic Chemistry and Biochemistry AS CR, Czech Republic
Chemical approaches to controlling diamond nanointerface for imaging and sensing in biological environment
3. **Hugues A. Girard**, CEA LIST, France
4. **Fedor Jelezko**, Ulm University, Germany
5. **Esko Kauppinen**, Aalto University, Finland
6. **Arkady Krasheninnikov**, Helmholtz-Center, Germany and Aalto University, Finland
Defects in two-dimensional inorganic materials
7. **Tomoki Machida**, University of Tokyo, Japan
Quantum transport in van der Waals junctions of graphene and 2D materials
8. **Vadym Mochalin**, Missouri University of Science & Technology, USA
9. **Alexander Okotrub**, Institute of Inorganic Chemistry, Russia
10. **Alexander Panich**, Ben-Gurion University of the Negev, Israel
Nuclear Magnetic Resonance Studies of Nanodiamond Surface Modification
11. **Alexey Popov**, Leibniz Institute for Solid State and Materials Research, Germany
Interior design of metallofullerenes for single molecular magnetism
12. **Francois Treussart**, Laboratoire Aime Cotton, CNRS UPR 3321, France
Some biomedical applications of fluorescent nanodiamonds

Organizing Committee of ACNS'2017

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INFORMATION

The Biennial International conference "Advanced Carbon Nanostructures 2017" (ACNS'2017) continues the series of the joined conferences that started in 2011 when the 10th Biennial International Workshops "Fullerenes and Atomic Clusters" and the 4th International Symposia "Detonation Nanodiamonds: Technology, Properties and Applications" were unified into single event "Advanced Carbon Nanostructures 2011 (ACN'2011)".

The scope of the conference includes new carbon nanostructures, members of nanocarbon family - fullerenes, carbon nanotubes, graphene, carbide derived carbon, onions, nanographite and nanodiamonds.

ACNS'2017 is the international forum for the exchange of information on the latest progress in carbon nanostructures. The scientific program consists of both oral and poster presentations as well as lectures by invited keynote speakers who survey areas of major interest.

General topics include synthesis and technology, physical properties, chemistry of carbon nanostructures as well as their main applications for industry, biology and medicine.

Progress in modern nanotechnologies requires development of new, and refinement of already available methods of diagnostics. This is why we also arrange the conference school for young scientists "Advanced carbon nanostructures and methods of their diagnostics" will be held in the course of the ACNS'2017 on July 5, 2017.

St Petersburg is both a scientific and a cultural center. It is a beautiful city designed and built by Russian and Western architects. It is often called "the Venice of the North". As usual along with the Scientific Session, a Social Program is planned. The organizers will arrange a sightseeing program to introduce St Petersburg to the guests and accompanying persons. The ACNS'2017 will be held in the period of "white" nights, when the city looks especially beautiful.

We are looking forward to seeing all of you in the July 2017 during white nights in St Petersburg.

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