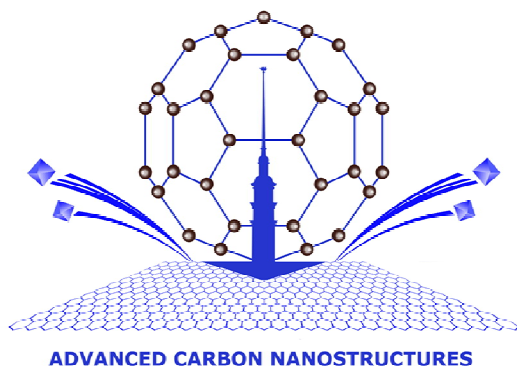


First Announcement

14th Biennial International Conference

ADVANCED CARBON NANOSTRUCTURES

(ACNS'2019)



July 1 - 5, 2019
St. Petersburg, Russia

www.acns2019.org

Abstracts deadline – March 20, 2019

ORGANIZERS

Ioffe Institute, Russia

Petersburg Nuclear Physics Institute, Russia

National Research Center "Kurchatov
Institute", Russia

St. Petersburg State Technological Institute
(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
- Linear carbons
- Carbide derived carbon
- Composites based on nanocarbons

• Phenomena

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

And

- Methods for characterization of nanocarbons
- Electronic applications of carbon nanostructures
- Medical and biological applications of carbon nanostructures
- Theory and computer simulation of carbon nanostructures

PRELIMINARY LIST OF INVITED SPEAKERS

- 1 **Suk-Ho Choi**, Kyung Hee University, Korea
Graphene-based low-dimensional convergence nanostructures and device applications
- 2 **Mohammed Es-Souni**, University of Applied Sciences Kiel, Germany
Carbon Nanomaterials Supporting Nanocatalysts
- 3 **Bi Hong**, Anhui University, China
Synthesis, Structure and Novel Applications of Heteroatoms-Doped Carbon Quantum Dots
- 4 **Albert Nasibulin**, Skolkovo Innovation Center, Russia
Title will be announced later
- 5 **Valery Nesvizhevsky**, Laue-Langevin Institute, France
Fluorinated nano-diamonds as a unique neutron reflector
- 6 **Tristan Petit**, Helmholtz Zentrum Berlin, Germany
Spectroscopic investigation of the nanodiamond-water interface
- 7 **Denis Sabirov**, Institute of Petrochemistry and Catalysis RAS, Russia
Theoretical studies on fullerene derivatives: from numerical estimates to promising applications
- 8 **Olga Shenderova**, Adamas Nanotechnologies, USA
Nanodiamond Particles: Properties and Perspectives for Bioapplications
- 9 **Juan Tascón**, CSIC, Spain
Electrochemically exfoliated graphene for energy and environmental applications
- 10 **Hongwei Zhu**, Tsinghua University, China
Title will be announced later
- 11 **Richard Jackman**, University College London, UK
Novel lateral diamond nanowires with exceptionally high current density and emergent devices enabling diamond quantum technologies
- 12 **Kazuhiko Matsumoto**, Osaka University, Japan
Sugar Chain Modified Graphene FET for High Sensitive & Selective detection of Influenza Virus
- 13 **Peter Harris**, University of Reading, UK
Formation of carbon nanotubes from graphite
- 14 **Yutaka Ohno**, Nagoya University, Japan
Flexible and stretchable electronics based on carbon nanotube thin films

Organizing Committee of ACNS'2019

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INFORMATION

The Biennial International conference "Advanced Carbon Nanostructures 2019" (ACNS'2019) 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 2019 (ACN'2019)".

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'2019 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'2019 on July 3, 2019.

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'2019 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 2019 during white nights in St Petersburg.

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