



# 2014

**State-of-the-art Trends of Scientific Research  
of Artificial and Natural Nanoobjects**

# IV

**International Scientific Conference**

April 2014, 22–25  
Saint Petersburg

[www.strann.org](http://www.strann.org)



## ABOUT CONFERENCE

STRANN 2014 is the 4th in the Conference Series started from 2009 with the objective to provide a forum of scientists and engineers from different knowledge fields such as physics, chemistry, life sciences, material science, microscopy and so forth who are united in research of nanosized objects but rarely communicate in the common life.

The live information exchange among the experts will help better understanding of the complex aspects of nanoobjects research, existing and emerging state-of-the art methods and find new approaches to overcome current and future challenges.

The Conference program will include invited speeches of specialists from leading world research centers, oral talks and posters presenting original results. Selected papers of all accepted contributions will be published in a regular peer-reviewed scientific journal.

**Full-length manuscripts are accepted for review by e-mail and in printed form at conference registration desk.**

In 2014 STRANN will be held in the framework of EU-Russia Year of Science.



## SCOPE

State of the art trends in research of material-science, biotechnology and life-science nano-objects enabled by modern advanced experimental techniques

Advanced microscopy and analytical techniques in research of artificial and natural nano-objects (HR-SEM, STEM, HR-TEM, HeIM, analytics, combined microscopy methods, spectroscopy; advanced sample preparation techniques, nanomanipulation)

Advanced nanofabrication techniques: nanolithography (e-beam, dedicated ion-beam), FIB-SEM, helium-ion microscopy; driven self-assembly processes

## CHAIRMEN

**Oleg Vyvenko**, Professor  
Director, The Interdisciplinary Resource Center,  
Saint Petersburg State University

**Alexander Golubok**, PhD  
Head of Nanotechnology and Material Science  
Department at Saint-Petersburg National Research  
University of Information Technologies,  
Mechanics and Optics

## INTERNATIONAL ADVISORY COMMITTEE

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**Yuri Latyshev** (Russia)  
**Alexei Vinogradov** (Russia)

## PRELIMINARY SCHEDULE

**22.04.2014** Arrival to Saint Petersburg and start of registration

**23.04.2014** Oral and poster sessions: State of the art trends in fundamental and applied research of nano-objects

**24.04.2014** Oral and poster sessions: Advanced microscopy and analytical techniques, nanofabrication

**25.04.2014** Workshop: "Extreme imaging and nanofabrication: helium-ion microscopy and ion-assisted revolutionary new nanofabrication techniques of nanostructured and functional nano-objects"

**25.04.2014** Visit to He-ion facility (TBC).

## INVITED SPEAKERS

### *Paul Alkemade*

The Kavli Institute of Nanoscience of the Delft University of Technology, Netherlands

### *Marc Chaussidon*

CRPG-CNRS, Université de Lorraine, France

### *Zhihai Cheng*

National Center for Nanoscience and Technology, China

### *Armin Goelzhaeuser*

Bielefeld Institute for Biophysics & NanoScience (BINAS), Germany

### *Barak Lavi*

El-Mul (Electron and Ion detecting solutions), Israel

### *Harald Rose*

Technical University Darmstadt, Germany

### *Andreas Schertel*

Carl Zeiss Microscopy GmbH, Germany

### *Sergei Rouvimov*

University of Notre Dame, United States

### *Alexei Vinogradov*

Togliatti State University, Russia

### *Yuri Latyshev*

Kotel'nikov Institute of Radio Engineering and Electronics of RAS, Russia

### *Nina Kasiyanenko*

Saint Petersburg State University, Russia

### *Vladimir Krupenin*

Moscow State University, Russia

### *Georgiy Cirlin*

Academic University of Physics and Technology of RAS, Russia

### *Alexey Ustinov*

National University of Science and Technology "MISIS", Russia

## IMPORTANT DATES

Start of registration with preliminary title and kind of presentation (oral, poster)

**December 16, 2013**

Abstract submission deadline

**February 17, 2014**

Abstract acceptance notification

**March 12, 2014**

Registration (including registration fee) deadline

**March 31, 2014**

Conference dates

**April 22–25, 2014**

## REGISTRATION FEE

Registration fee including abstract book, conference bag, coffee breaks, lunches

**Regular:** 2000 rubles (50 Euro)

**Students:** 800 rubles (20 Euro)

Registration fee for one day attendance: 500 rubles (10 Euro) (excl. lunch, conference bag)

## VENUE

### Vladimir Palace

Dvortsovaya Naberezhnaya 26  
Saint-Petersburg  
Russia

