

Dear Colleague:

As a follow-up to the success of the 2002 Moscow Nano & Giga Forum, we want to invite you to the 2nd Nano & Giga event in the beautiful Russian city of St. Petersburg. It is hosted by the Ioffe Physico-Technical Institute.

SCOPE:

Abstracts are invited in the following areas:

- highest frequency electronics,
- fabrication of nanodevices,
- future bio- and molecular electronics,
- magnetic materials and spintronics,
- materials and processes for integrated and subwave optoelectronics,
- molecular electronics,
- nanotubes and clusters: wires and other devices,
- new materials for gate and dielectrics in FETs,
- atomic scale design: theory and experiment,
- non-silicon materials and devices,
- quantum effects in devices.

MEETING FORMAT:

The meeting opens with a Summer School (first 2 days), to be followed by the Symposium (last 3 days). The Summer School provides overview of the current status of the field and consists of plenary tutorial lectures and panel discussions involving participants and speakers. The Symposium includes plenary talks in the morning, followed by an afternoon of oral and poster presentations organized in sessions. Evening sessions will focus on technology trends and collaboration opportunities.

INITIAL LIST OF SPEAKERS:

Asen Assenov, University of Glasgow; Sorin Cristoloveanu, ENSERG; Jan Fompeyrine, IBM; David Gilmer, Motorola; Eric Garfunkel, Rutgers University; Torgny Gustafsson, Rutgers University; Henk van Houten, Philips; Efim Portnoi, Ioffe Institute; Nicholas Rambidi, Moscow State University; Fred Roozeboom, Philips; Paul Seidler, IBM; Alexey Toropov, Ioffe Institute; Bruce White, Motorola; Stanley Williams, Hewlett-Packard; Alexey Zhukov, Ioffe Institute.

PROCEEDINGS PUBLICATION:

The proceedings of our meeting in Moscow have been published by Elsevier in three volumes (a monograph and two journal issues: Microelectronic Engineering and Computational Materials Science -- <http://asdn.net/publications/>). We are planning to follow the same model for the St. Petersburg meeting.

On-line registration, abstract submission, and constantly updated information is available from the meeting web site: <http://www.AtomicScaleDesign.Net/ngcm2004>

We look forward to seeing you at our next Nano & Giga forum in St. Petersburg!

NGCM2004 Organizers
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