

FIRST CIRCULAR

Dear Colleagues,

Zavoisky Physical-Technical Institute, Russian Academy of Sciences (Kazan, Russia) organizes the International conference "Spin physics, spin chemistry, and spin technology" on November 1–6, 2011 in Kazan (Russia).

Spin science and spin technology extensively and intensively develop. This conference is aimed at bringing together spin science and spin technology researchers specializing in different fields: chemical physics, photonics, electron processes in semiconductors, molecular electronics, etc. Presentations will cover all aspects of spin physics, spin chemistry, spin technology and related phenomena.

We are looking forward to seeing you in Kazan!

*Kev Salikhov,
Co-Chairman of the Program Committee*



web:
kazan_spin2011.kfti.knc.ru



SPIN PHYSICS, SPIN CHEMISTRY AND SPIN TECHNOLOGY

KAZAN, NOVEMBER 1-6, 2011

TOPICS

- Electron spin-based methods for electronic and spatial structure determination in physics, chemistry and biology
- Spin-based information processing
- Strongly correlated spin systems
- Spins in low-dimensional structures
- Spin-dependent properties of semiconductors
- Quantum spin-Hall effect in semiconductor nanostructures
- Spin-orbit physics
- Magnetic phase transitions under high field studied by EMR
- Quantum electronics
- Spin-dependent processes in optics and quantum electronics
- Effects of magnetic field on chemical reactivity
- Chemically induced spin polarization (CIDEP and CIDNP)
- Para-hydrogen induced nuclear polarization (PHIP)
- Magnetic isotope effect
- Photoreceptor and photosynthetic proteins
- Molecular magnets
- Molecular dynamics probed by spin-dependent phenomena
- Spintronics
- Spin-dependent current
- Spin valves
- Spin transistors
- Spin-dependent phenomena in nanostructures
- Biofunctional spin science and technology
- Magnetic resonance imaging

REGISTRATION FEES

The Organizers are expecting financial support for participants from Russia.

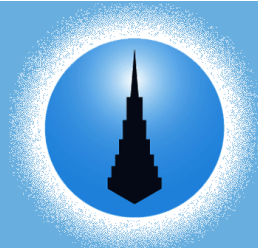
	Before June 1, 2011	After June 1, 2011
Full Delegate	€300	€350
Student Delegate	€150	€200
Accompanying Person	€150	€200
Invited Speaker	€0	

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