



# SPIN PHYSICS, SPIN CHEMISTRY AND SPIN TECHNOLOGY

KAZAN, NOVEMBER 1-6, 2011

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).

## REGISTRATION IS STILL OPEN!

### REGISTRATION FEES

|                     | Before<br>June 25,<br>2011 | After<br>June 25,<br>2011 |
|---------------------|----------------------------|---------------------------|
| Full Delegate       | €300                       | €350                      |
| Student Delegate    | €150                       | €200                      |
| Accompanying Person | €150                       | €200                      |
| Invited Speaker     | €0                         |                           |

Russian Foundation for Basic Research covers in part the registration fee for Russian participants. So the fees for Russian participants are as follows:

|                     | Before<br>June 25,<br>2011 | After<br>June 25,<br>2011 |
|---------------------|----------------------------|---------------------------|
| Full Delegate       | 1500 rub                   | 2000 rub                  |
| Student Delegate    | 750 rub                    | 1000 rub                  |
| Accompanying Person | 750 rub                    | 1000 rub                  |

### DEADLINES

Registration  
July 11, 2011  
Abstract submission  
July 11, 2011  
Travel visa assistance  
July 1, 2011

SECOND CIRCULAR

web:

[kazan\\_spin2011.kfti.knc.ru](http://kazan_spin2011.kfti.knc.ru)



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## 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

## SPEAKERS

- **Elena G. Bagryanskaya** (Novosibirsk, Russia)
- **Michael K. Bowman** (Tuscaloosa, USA)
- **Bernd Büchner** (Dresden, Germany)
- **Daniella Goldfarb** (Rehovot, Israel)
- **Anatoly V. Dvurechensky** (Novosibirsk, Russia)
- **Sergei Dzuba** (Novosibirsk, Russia)
- **Jack H. Freed** (Ithaca, NY, USA)
- **Ilgiz A. Garifullin** (Kazan, Russia)
- **Vladislav Kataev** (Dresden, Germany)
- **Giniyat Khaliullin** (Stuttgart, Germany)
- **Igor V. Koptug** (Novosibirsk, Russia)
- **Gerd Kothe** (Freiburg, Germany)
- **Yuri G. Kusrayev** (St. Petersburg, Russia)
- **Gertz I. Likhtenshtein** (Beer-Sheva, Israel)
- **Wolfgang Lubitz** (Mülheim an der Ruhr, Germany)
- **Klaus Möbius** (Berlin, Germany)
- **Yuriy N. Molin** (Novosibirsk, Russia)
- **Hitoshi Ohta** (Kobe, Japan)
- **Kev M. Salikhov** (Kazan, Russia)
- **Vladimir V. Ustinov** (Ekaterinburg, Russia)
- **Nikita Volkov** (Krasnoyarsk, Russia)
- **Lev Weiner** (Rehovot, Israel)

