

General brief information

Ministry of Education and Science of Russia and Russian Scientific and Cultural Centre in Vienna (**1040 Wien, Bramsplatz, 8**) are organizing on **24-25 November 2009** seminar-exhibition “**Nanotechnologies. Novel nanostructured and carbon materials**” to support and consolidate scientific and technological cooperation between Austria and Russia. The aim of the upcoming seminar-exhibition is to show some technological developments of leading Russian research and technological organizations in modern materials.

Carbon and nanocarbon materials are among the most perspective for high-tech use. New technologies are required to produce such materials. Seminar-exhibition “**Nanotechnologies. Novel nanostructured and carbon materials**” will show some results in this field gained by the participants. You will see the materials and production made of them, different aspects related to research and development of modern materials will also be shown:

- *Large grown diamond single crystals. High-pressure-high-temperature production technology.*
- *CVD diamonds and their applications.*
- *NANOSCAN family of scanning nanoindenters. Complex investigations of hardness, elastic modules and relief of surfaces.*
- *Vacuum microelectronic devices based on field emitters from carbon nanostructured materials.*
- *Bipolar plates for proton exchange membrane fuel cells.*
- *Micro-surgery diamond scalpels.*

Russian participants of the seminar-exhibition are leading organizations in the field of modern materials:

- **Federal state institution “Technological Institute for Superhard and Novell Carbon Materials”** (<http://www.ntcstm.troitsk.ru/>);
- **ZAO “Institute of New Carbon Materials and Technologies”** (<http://www.inumit.ru/>);
- **“Kristalin” Co, Ltd.**