

# Conference on nanomaterials

SibFU's researchers attended the national research conference 'Ultra dispersed powder products, nanostructures and materials' from 9 to 12 September 2012. The conference celebrated the 30th anniversary of nanodiamonds' discovery.

The event organizers were Siberian Federal University, Altainano Association, Altai Company, Institute of Technologies in Chemistry and Energy Production, Russian Academy of Sciences, Siberian Branch, Altai State Technological University, Krasnoyarsk Scientific Centre, Russian Academy of Sciences, Siberian Branch. The conference was held in the Altai Mountains.

Sixty five conference attendees (researchers, undergraduates and doctoral students) spoke on obtaining, researching and applying nanomaterials in various fields of science and technology. Researchers discussed the current state and trends in physics and chemistry of ultra dispersed nanosystems, nanostructures in materials, microtechnologies and biology. They also spoke on teaching highly skilled professionals in the field of new materials and technologies.



photo from newslab.ru

*«Thirty years have passed since the discovery of detonation nanodiamonds and the industrial methods of synthesis have achieved some successful results. — Professor **Alexei Lyamkin**, deputy chair of the conference organizing committee and head of nanophase materials and nanotechnologies at the Institute of Engineering Physics and Radio Electronics, SibFu, said. — We have initiated and established the automated production of nanodiamonds of explosive materials. Bijk professionals work with nanodiamonds for industrial production and Siberian Federal University teaches the specialists to contribute to studying their properties and applications.».*

*«SibFU's researchers presented a third of the conference papers. Many results have been achieved with the help of external funding. Important applications are diamond and graphite technologies for engine oils, plastic lubricants, carbon compositions, nanoliquids, insulation materials. A lot has been done to study fullerenes and their applications», — Alexey Lyamkin said.*

Conference proceedings include 98 papers by 264 authors from 25 universities and 32 research centres (Russia, Ukraine, Belorussia, Kazakhstan).

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