

Press Release

## **Photonics. World of Lasers and Optics 2016**

### **11th International Specialized Exhibition for Laser, Optical and Optoelectronic Technologies**

From March 14 to 17 Expocentre Fairgrounds (Pavilion No.3) hosts the 11th International Specialized Exhibition for Laser, Optical and Optoelectronic Technologies **Photonics. World of Lasers and Optics 2016**. It is one of Expocentre's leading innovative projects implemented in cooperation with Laser Association.

The trade show is supported by the Russian Ministry of Industry and Trade, State Committee on Science and Technology of the Republic of Belarus, European Optical Society, and European Photonics Industry Consortium (EPIC). It runs under the auspices of the Russian Chamber of Commerce and Industry.

The trade show carries the logos of UFI, the Global Association of the Exhibition Industry and RUEF, the Russian Union of Exhibitions and Fairs.

**Part of the Photonics. World of Lasers and Optics 2016 exhibition is devoted to the 100th birth anniversary of Alexander Prokhorov**, an outstanding Soviet physicist, one of the pioneers in research of lasers and quantum electronics. He was one of the innovators of the research and practice sector called photonics. The exhibition demonstrates a rapid growth of the industry whose originator was Alexander Prokhorov.

The Photonics. World of Lasers and Optics exhibition annually attracts manufacturers and developers, businessmen and potential consumers of equipment and technology offered. It is here participants showcase new products, present promising projects, outline industry trends, discuss development strategies, and identify areas of cooperation.

This year the latest accomplishments and solutions in photonics are demonstrated by 160 companies from 10 countries: *Belarus, China, Germany, Lithuania, the Netherlands, Russia, Sweden, the UK, Ukraine, and the USA*.

*German* and *Chinese* companies have their national pavilions.

The exhibition area amounts to 6,000 sq m.

Among foreign participants there are Hamamatsu, Optotech Optikmaschinen GmbH, Schott AG, Trumpf Laser-und Systemtechnik GmbH, Solar LS, Ekspla, Cambridge Technology Europe, Synrad Europe, and others. Such companies as Infratec, Azure Photonics, and Lante Optics will make their debut at the show this year.

Russian achievements are presented by more than 100 companies, among them IRE-Polus, Bee Pitron, Laser Center, NII ESTO, Avesta, Shvabe, SB RAS (Siberian Branch of the Russian Academy of Sciences), Crystal Techno, Vicon Standa, Fibertool, NPK SPP, Azimuth Photonics, Eurolase, Laser Components, and others. The debutants of the exhibition are Skolkovo Foundation, OKB Spektr, Quantum Optics, Active Optics NIGHTN, Baspik, Troitsk Research and Development Center, NPP Photon, LAS, and Optecom.

The exhibitors showcase laser radiation sources and components; optical materials and technologies; optical elements, components, systems; fiber optic equipment; laser equipment for cutting, welding, marking and other types of materials processing; laser and optical test equipment; equipment for artificial vision, sensors, detectors; night vision equipment, optic and laser sights; optoelectronics and nanophotonics; optical systems of data logging, storage and transmission; biomedical equipment based on photonic technologies; laser medicine; photoelectronics and solar energy.

The industry experts can also evaluate laser technologies for advertising and production of gifts; laser and optical security equipment; research equipment; maintenance of laser and optical equipment, and information support. The participants also arrange innovation centers, technology transfer centers, and training.

The key associated events of the exhibition are

- Plenary Meeting of the 5th Congress of Technology Platform "Photonics"
- Russian-Chinese seminar on Laser Technology for the Oil and Gas Sector
- Research and technology seminar on Application of Titanium Alloys in Industrial and Special-Purpose Products Using Laser Processing Technologies.

The accompanying program features seminars as well. Renowned scientists, experts and development engineers will make their reports.

The results of the competition for the best laser and optical technology development held by Laser Association will be summed up on the last day of the exhibition.