



# AUTOMATION

XIX INTERNATIONAL SPECIALIZED EXHIBITION

# INDUSTRIAL ELECTROTECHNICS & DRIVES

XI SPECIALIZED EXHIBITION



18-20 September 2018

Saint Petersburg, EXPOFORUM

## Post report-2018

### “Automation” and “Industrial Electrotechnics & Drives” on the most modern exhibition platform of St. Petersburg.



From September 18 to September 20, 2018, the international specialized exhibitions “AUTOMATION” and “INDUSTRIAL ELECTROTECHNICS & DRIVES” took place in St. Petersburg. The exhibition venue for the first time was the EXPOFORUM congress and exhibition center, the largest exhibition complex in St. Petersburg. Exhibition organizer - "FAREXPO".

Exhibitions traditionally took place within the framework of the International Industrial Forum “Radio Electronics. Instrumentation. Automation” in conjunction with the exhibition “RADEL”, which since 2018 is held with the support of the world famous exhibition of electronic components PRODUCTRONICA (Messe Munchen, Germany). The total exhibition area was about 4000 sq.m. More than 120 companies from 11 countries took part in the exhibition.

With the transition to a new place not only managed to attract regular visitors, but also significantly increase the number who came to the exhibition for the first time. Compared to 2017, the number of specialists attending the event increased by 20%. The exhibitors noted the increased quality of visitors: managers, engineers, developers, decision makers, specialists in industrial automation, electrical engineering and drives. Most of the visitors came to the exhibition in order to find solutions to specific problems encountered in their enterprises.

At the exhibitions “AUTOMATION” and “Industrial Electrical Engineering and Drives” the novelties presented perennial exhibitors: **Dewesoft, EKF, Hummel, JUMO, Phoenix Contact, Samson, TURCK, ИHCAT, inter Electric, Meandr, Moscow Thermal Automation Plant, OWEN, Promelectronica, Modern Technologies NS, TEKO, ELECTROPRIVOD** and others.



An important feature of the exhibitions in 2018 was a large number of new exhibitors. Visitors showed great interest in the exhibition debutants, including how well-known international brands and companies just starting their way to the Russian market.

The international status of the exhibitions was supported by well-known companies.

**AUTONICS** – a leading provider of automation solutions from South Korea, one of the world leaders in the



industrial automation market. Autonics products are distinguished by high reliability and are used in many industrial sectors.

**PILZ RUS** – Russian representative office of **Pilz GmbH & Co. KG**, a leader in secure automation technology.



**DEHN RUS** – official representative of DEHN + SÖHNE in Russia. The main areas of application of the company's products are external lightning protection and earthing, surge protection, electrical protection.

**Trader Goup** represents **W.Gessmann GmbH products** (Germany) - the company develops and manufactures high-quality industrial controllers for cranes, for loading and unloading operations and industrial applications.

**Bosfor Electro** – the exclusive distributor of the Turkish company EMAS, one of the largest suppliers of a wide range of industrial electrical equipment.

Russian manufacturers represented companies:

**PIEZUS** – a domestic plant specializing in the design and manufacture of pressure and level sensors;

**Wiren Board** - Russian company, which since 2012 has been developing and producing electronics for automation and monitoring;

**Biltech** – manufacturer of touch monitors and computers;

**Donuglekomplekt-Holding** - production and implementation of an automated system for the preparation, supply and control of coolant level;

**Ecros Engineering** – production and implementation of automated systems for environmental monitoring of enterprises;

**Elster Metronics** – supplier of system solutions, manufacturer of equipment and software for automated energy accounting systems;

**Energion North-West** – industrial batteries brand DELTA.

For the first time, leading technical universities of St. Petersburg took part in the exhibitions: **Polytechnic University (SPbPU)** and **St. Petersburg Electrotechnical University "LETI"**. Specialists of the Research Laboratory "Algorithms and systems for stream data processing" (ASPOD) of SPbPU presented their research and development in the field of artificial intelligence systems, algorithms and systems for stream data processing, high-tech software and hardware solutions. Representatives of renowned universities reported on their developments at the conference.



**The 3rd scientific-practical conference "Industrial automation and information technologies on the way to "Industry 4.0"** became the central event of the Industrial Forum business program.

**OMRON**, a partner of the conference, presented to the audience a full range of products allowing to build a fully digital discrete enterprise, to ensure traceability of product manufacture throughout its life cycle.

The representative **Schneider Electric** reviewed the technical characteristics and functionality of the Eco Struxure digital automation platform, which allows users to use in addition to classic solutions such innovations of the Industry 4.0 world, such as cloud technologies, big data, industrial Internet of things.

In connection with the increasing volumes of data that need to be collected at the level of technological processes, to transfer up the hierarchy, to process and store, an approach that has received the name of peripheral or boundary computing has recently been actively promoted. In this case, data processing is carried out at the field level, and the data already selected for analysis is transferred to the enterprise management level. The report in the field of boundary computing was devoted to the report of the company **B + R Industrial Automation**.

The algorithms of **SPbPU, NSP "ASPOD"** (St. Petersburg) reported on algorithms for improving the reliability of data storage systems using machine learning methods.

Domestic developers **OWEN, MZTA and Prosoft**, presented their new PLCs.

The company **"Optimal Factory"** (St. Petersburg) is a software developer for planning production processes in discrete industries. At the conference, the company shared its experience in implementing specific projects, spoke about the process and results of implementation.

The conference ended with a discussion of the pressing issues of industrial automation at a round table, which was attended by developers of automation tools and systems, representatives of educational institutions and industrial enterprises.

**In 2019, the exhibition "AUTOMATION" will be held on September 17-19 at the ECC EXPOFORUM in St. Petersburg.**

<http://automation-expo.ru/>

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