

22nd International Exhibition of Electronic Components, Modules and Systems
17th International Exhibition of Technologies, Equipment and Materials for Electronic and
Electrical Industries

15-17 April 2019

Russia, Moscow, Crocus Expo, Pavilion 3



Business programme

15-17 April 2019

Participation: free of charge (exhibition electronic ticket-based)

Conference language: Russian

15 April, Monday

11:00 - 13:00	PLENARY SESSION "Russian electronic industry today. Current state and development problems"	MAIN CONFERENCE HALL №1
	Session topics: <ul style="list-style-type: none">• World electronic industry development trends;• Overview of Russian electronic industry;• Measures of governmental support of electronic industry development in Russia;• Development of import substitution and localization of electronic equipment manufacturing;• Staff issues of the Russian electronic industry	
	Moderator: Dr. Anatoly Kovalev, CEO, Zelenograd nanotechnology center	
	Speakers:	
11:00 - 11:20	Technological trends in microelectronics Alexey Volostnov, Director of Frost & Sullivan branch in Russia	
	Industry consolidation: conditions and intermediate results	
11:20 - 11:35	Ilya Ivantsov, General Director of Element OOO, Deputy Chairman of the Board of Directors of RTI AO, Chief Investment Director, Sistema Joint-Stock Financial Corporation	
	Trends of Russian electronic component base market	
11:35 - 11:55	Development of ecosystem of electronics developers and producers Ivan Pokrovsky, Managing Director, Association of Electronics Developers and Manufacturers	
	MNIIRIP as a multifunctional center for electronic industry. Formation of a single information window of the industry	
11:55 - 12:15	Pavel Kutsko, Director, MNIIRIP	
	Partnership and cooperation in Russian electronic industry	
12:15 - 12:30	Arseny Brykin, External Communications Director, Roselectronica AO	
	Digital economy: how to make the national project the point of growth of the Russian electronic industry	
12:30 - 12:45	Andrey Bezrukov, President, Association of Electronics Developers and Manufacturers	
	Sergey Sakhnenko, Industrial Director of Electronic Cluster of Rostec State Corporation	
	Creation of new markets	
12:45 - 13:00	Gulnara Khasyanova, Director General, Micron PAO	
13:15 - 13:45	Opening ceremony of ExpoElectronica and ElectronTechExpo	MAIN CONFERENCE HALL №1
13:45 - 14:30	VIP tour of exhibition	
14:30 - 16:15	OPEN MEETING of Coordination Council of designers and producers of electronic equipment, components and engineering products	MAIN CONFERENCE HALL №1
	Topic: Partnership and cooperation of the Russian electronic industry and railway companies	
	Moderator: Arseny Brykin, External Communications Director, Roselectronica AO	

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Invited speakers:

Transmashholding AO
NIIAS AO
AVP TEKHNLOGIA OOO
Clover Group OOO
2050.DIGITAL Group of Companies
Izhevskiy Radiozavod (IRZ) AO
Control Systems JSC
SKBT RT AO

16:30 – 18:00 **WORKSHOP** Technical regulation and standards of designing and production of electronic products

MAIN CONFERENCE HALL №1

Moderator: Roman Levin, Deputy Director, RNI Electronstandard AO

Session topics:

- Overview of existing Russian standardization document of electronic component base
- Diversification of electronic production and standardization development
- IPC standards structure and procedures of standardization
- Unification of Russian and international standards

Speakers:

Current state and prospects of standardization in the field of electronic component base

16:30 - 17:15 Roman Levin, Deputy Director, RNI Electronstandard AO

Andrey Shepanov, Head of Development Department electronic components FGUP MNIIRIP

IPC standards structure and procedures of standardization

17:15 - 18:00 Andres Ojalill, IPC European Representative

Yuri Kovalevsky, IPC Russian Representative

April 17, Wednesday

11:00 - 13:00

SPEECH BATTLE

«Russian Electronics. Insight into Future»

CONFERENCE HALL №2

Speech duel of the leaders of the Russian electronic industry. Two teams are going to discuss each issue and advocate different points of view on the most pressing problems of the industry development. The most consistent point of view will be determined during a live voting

Moderator: Eugene Lipkin, Director General, Ostek-SMT

11:00 - 11:55 Discussion round "Industry 4.0. Is Russia ready for the new industrial revolution?"

Speakers:

Konstantin Bachursky, Technical Engineer, Engineering Center, Concern Kalashnikov

Stanislav Kozlov, Director of Infrastructure Projects, Concern Kalashnikov

Nikita Utkin, Program Manager, RVC AO, Chairman of the Technical Committee for Standardization Cyber-Physical Systems

Andrey Kolesnikov, Director of Association IoT

Valery Kazarin, Consultant of Lean Manufacturing, Expert

Mikhail Feldman, Head of Executive Office, CNII Elektronika

Nikolay Dmitriev, Head of Procurement Department, StarLine NPO

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Konstantin Chernov, leading engineer of the project business group of the industrial automation and digitalization Department, Bosch Rexroth

Alexey Troshin, Director General, National Engineering Corporation

12:00 - 13:00 Discussion round "Industry development strategy: export or domestic demand development"

Speakers:

Michael Kakoulin, Head of R&D, Imec, Belgium

Mikhail Pavlyuk, Director General, PKK MILANDR AO

Ivan Pokrovsky, Director General, Association of Electronics Developers and Manufacturers

Yuri Shurigin, Managing Director, Association of Small and Medium-Sized Exporters

Nikolay Plis, First Deputy Director General, Angstrom AO

Alexandr Stavtsev, Technical Director, Proton-Electroteks AO

13:15 – 16:00

WORKSHOP

«Topical problems of PCB designing and modeling»

CONFERENCE HALL №2

Series of workshops for engineering staff of Russian companies, designing and producing electronic equipment

Moderator: Prof.Dr. Alexandr Shalumov, CEO of NII ASONIKA OOO

13:15 - 14:40 Block "Recommendations on designing and modeling of PCBs"

Session topics:

- Principles of design for production. Recommendation on how to promote PCB project technological level
- Typical mistakes in PCB projects. How to detect and prevent
- New technological opportunities for production of PCB. How to bring PCB projects to a new technological level
- Modeling of PCB. How companies can benefit from modeling their projects

Speakers:

Alexander Akulin, Technical Director, PCB Technology Company

Alexey Reshetnikov, Director General, Engineering solutions, Ltd

Anton Suponin, Director General, PCB SOFT Company

14:45 - 16:00 Block "Designing of microsystems on PCBs"

Session topics:

- Perspective engineering solutions in the production of microsystems on PCBs
- Peculiarities of microsystems designing on PCBs
- Designing of flex-rigid printed circuit boards in Mentor Graphics Xpedition

Speakers:

Sergey Timoshenkov, Director of Institute of Nano- and microsystem equipment, MIET

Denis Vertyanov, Head of Studying and Research Designing Center Mentor Graphics-MIET

Igor Belyakov, graduate student, NMST Institute

Kirill Nikeyev, Leading Technical Consultant, PCB, Mentor Graphics

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11:00 - 16:00 **CONFERENCE**

Microelectronics in Russia: Current State and Growth Areas

Partner: Consortium of design centers of Russian microelectronic industry

MAIN CONFERENCE HALL №1

11:00 - 13:00 **Panel Discussion Development of Technological and Industrial Potential of Microelectronic Industry in Russia**

The industry development level of the modern state is determined by the possibilities of developing and producing microelectronic products. Requirements to the products of the microelectronic industry directly depend on the global trends of advanced technologies development. To reach a competitive level and ensure technological sovereignty, a modernization of the production base, as well as the creation of new capacities is required. Invited specialists will discuss the current state of the industry development, high potential areas of electronic equipment and technologies application, as well as the necessary actions from the state and private sector companies to create the conditions for a transformation of the industry.

Moderator: to be confirmed

Speakers:

Andrey Anikin, Director General, Angstrom-T AO

Eugene Maslennikov, Director General, GS Nanotech

Ekaterina Bocharova, Marketing and Sales Director, FORM OOO

Dr. Anatoly Kovalev, CEO, Zelenograd nanotechnology center

Gulnara Khasyanova, Director General, Micron PAO

Vladimir Krupnik, Deputy Director General, Crocus Nanoelectronics

Denis Shamiryman, CEO, Mapper

13:00 - 16:00 **Investment Committee on navigation and connection, medicine, agriculture, blockchain and big data**

The Government of the Russian Federation approved the national projects in 12 areas of strategic development established by the presidential decree of May 7, 2018 No. 204 "On the national goals and strategic objectives of the development of the Russian Federation for the period up to 2024". More than 100 complex events within the frameworks of projects include the purchase of electronic equipment for the needs of the telecom, medicine, transport, education, etc. Given the tight deadlines and the early start of the tenders for the purchase of equipment, it is necessary to speed up the creation of hardware and software systems based on Russian electronic components. Industry enterprises will present the projects selected by the expert council from the members of the Consortium. The objective of the event is to create cooperation ties and attract investors to Russian projects.

Moderator: to be confirmed

Speakers:

13:30 - 13:45 **System of unmanned control of automotive equipment for industrial application**

Speaker of NIIMA Progress AO

13:45 - 14:00 **Resource Management Information System INFORSFERA**

Speaker of PKK Milandr AO

microradiometer - remote analysis of body parameters

14:00 - 14:15 **Speaker of Russian Federal Nuclear Center,**

All-Russia Research Institute of Experimental Physics

14:15 - 14:30 **System of diagnostics and rehabilitation of patients with vascular diseases**

Speaker of Biomedical Technology Faculty of Moscow State Technical University named after N.E. Bauman

14:30 - 14:45 **Multi-core processors to work with blockchain, big data, encryption**

Lecturer, Faculty of Physics, Moscow State University

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- 14:45 - 15:00 **Monitoring and information security system (topic is to be confirmed)**
Speaker of Digital Solutions NPP AO
- 15:00 - 15:15 **High-precision navigation module NaviMatrix MC149.01**
Speaker of NTC Module ZAO
- 15:15 - 15:30 **Personal neural network device for detecting atypical blood cells and detecting cancer in the early stages**
Speaker of NTC Module ZAO
- 15:30 - 15:45 **Topic is to be confirmed**
Speaker of NPC Elvis AO
- 15:45 - 16:00 **Topic is to be confirmed**
Speaker of NPC Elvis AO

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April 15, Monday

10:00 - 11:00	REPORT: Modern semiconductor devices supplied by Infineon Technologies AG for power electronics. Organizer: Infineon Technologies AG	CONFERENCE HALL No. 3
10:00 - 12:00	WORKSHOP: Modern semiconductor ECB manufactured by JSC Micron. New products and technological capabilities. Organizer: JSC Micron	CONFERENCE HALL No. 2
11:00 - 12:00	WORKSHOP: Prospects for ECB development through the experience of JSC Resurs Organizer: Resurs	CONFERENCE HALL No. 3
11:00 - 12:00	WORKSHOP: Actual technologies for EMC testing of electronic modules and devices for the automotive industry Organizer: NPF Dipaul	OPEN PRESENTATION AREA, HALL No. 13
12:00 - 13:00	WORKSHOP: Modern connectors of VP quality class, developed by GC Radiant: RF-connectors of up to 40 GHz, modular and filtered connectors. Amphenol LTW connecting solutions for outdoor use and their operational features. Organizer: Radiant-Elcom	CONFERENCE HALL No. 3
12:00 - 13:00	WORKSHOP: Moisture-protective coatings for 3M printed circuit boards. Organizer: Platan	OPEN PRESENTATION AREA, HALL No. 13
12:00 - 14:00	CONFERENCE: Use of electrical connectors in electronic equipment and prospects for development. Connectors mastered within the import substitution programme and issues of their integration into domestic equipment. National industrial innovations. Organizer: JSC Zavod Elecon Please note that conference attendance is subject to prior registration only. You can contact us via: KM.Ahmetzhanov@zavod-elecon.ru or phone (843) 510 10 10 ext. 72 27	CONFERENCE HALL No. 2
13:00 - 14:00	WORKSHOP: New Analog Devices solutions for measuring channels. Organizer: Teson	CONFERENCE HALL No. 3
13:00 - 14:30	PRESENTATION: Solutions overview for modular power supply and electrical circuit protection components. Organizer: Argus-Component	OPEN PRESENTATION AREA, HALL No. 13
14:00 - 14:50	WORKSHOP: Innovations and prospects for further development of capacitors and nonlinear semiconductor resistors by JSC NII Girikond Organizer: JSC NII Girikond	CONFERENCE HALL No. 3
14:00 - 16:00	WORKSHOP: OJSC NIJET new developments and services Organizer: NIJET	CONFERENCE HALL No. 2
14:30 - 15:00	PRESENTATION: Universal software and hardware platform based on high-performance SDR solutions Organizer: St. Petersburg Polytechnic University	OPEN PRESENTATION AREA, HALL No. 13

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15:00 - 15:50	<u>WORKSHOP: Special-purpose data processing and display devices for the use in the Arctic region. Aircraft multiple-access display modules and video monitors. Innovations and current developments.</u> <u>Organizer: Display Design Office</u>	CONFERENCE HALL No. 3
15:00 - 15:30	PRESENTATION: Flip-chip technology for the use in packaged systems based on multilayer low-temperature co-fired ceramics (LTCC). Organizer: KEKO-R	OPEN PRESENTATION AREA, HALL No. 13
15:30 - 16:00	WORKSHOP: Europlacer engineering solutions for critical products assembly. Speaker: Anton Garanin Organizer: SmtMax	OPEN PRESENTATION AREA, HALL No. 13
16:00 - 17:00	<u>CONFERENCE: Online tools for the radio-electronic industry. Improved approaches to facilitate the use of indigenous ECBs.</u> <u>Organizer: FGUP MNIIRIP</u>	CONFERENCE HALL No. 2
16:00 - 17:00	<u>Project PRESENTATION: Process module for critical etching of 65-32 nm dielectrics.</u> <u>Organizer: JSC NPP ESTO</u>	CONFERENCE HALL No. 3
17:00 - 17:30	<u>PRESENTATION: ASO Picosun solutions. Picosun technology of vapor-phase growth of ultrathin films for microelectronics and atomic layer deposition (ALD) equipment</u> <u>Organizer: Picosun</u>	CONFERENCE HALL No. 3
17:00 - 18:00	<u>WORKSHOP: Max CAD system is an indigenous solution for integrated automation design of cable networks.</u> <u>Organizer: OKB Aerospace Systems</u>	CONFERENCE HALL No. 2
17:30 - 18:00	<u>PRESENTATION: Overcoming the limits - 360° Equipment and Solutions for the advanced tasks from Finetech GmbH</u> <u>Organizer: Finetech GmbH & Co. KG</u>	CONFERENCE HALL No. 3
April 16, Tuesday		
10:00 - 11:00	<u>Workshop Seminar of JSC RC Module:</u>	MAIN CONFERENCE HALL No. 1
10:00 - 11:00	<u>WORKSHOP: Indigenous CAD system for Delta Design electronics. Achievements and plans for development.</u> <u>Organizer: Eremeks</u>	CONFERENCE HALL No. 2
10:00 - 11:30	<u>PRESENTATION Absolute Protection for electronics, Electrolube - New Generation Materials</u> <u>Organizer: Electrolube</u>	CONFERENCE HALL No. 3
11:00 - 12:00	<u>WORKSHOP: server hardware production in the Russian Federation, Elbrus platform. Technologies and production: points of growth</u> <u>Organizer: Norsu-Trans</u>	MAIN CONFERENCE HALL No. 1