APRIL 9–11, 2025

SVARKA WELDING

THE 22ND INTERNATIONAL EXHIBITION
FOR WELDING, CUTTING, SURFACING
AND RELATED TECHNOLOGIES

CONVENTION PROGRAM

EXPOFORUM

WELDING.EXPOFORUM.RU/EN

APRIL 9, WEDNESDAY

TIME	EVENT
09:00–18:00 REGISTRATION DESKS №43-47	REGISTRATION OF SVARKA/WELDING EXHIBITION CONVENTION PROGRAM PARTICIPANTS

09:15–11:00 CONFERENCE HALL E5–E6, LEVEL 1	WELCOME COFFEE

10:30–12:00

CONFERENCE HALL B1–B2, LEVEL 2

PLENARY SESSION
WELDING AND RELATED TECHNOLOGIES: DEVELOPMENT TRENDS AND PROSPECTS

ORGANISER:
ExpoForum International

UNDER THE SUPPORT OF:
Alliance of Welders of St. Petersburg and North-West Region;
Kurchatov Institute National Research Centre – Prometey Central Research Institute of Structural Materials

MODERATOR:
Alexey Ilyin,
D. Sc. in Engineering, Associate Professor, Deputy CEO for Research – Head of the NPK-3, Kurchatov Institute National Research Centre – Prometey Central Research Institute of Structural Materials

SPEAKERS:
Mikhail Timofeev,
Senior Welder, Kurchatov Institute National Research Centre – Prometey Central Research Institute of Structural Materials
Report: Areas of focus at Kurchatov Institute National Research Center – Prometey Central Research Institute of Structural Materials as regards to welding of equipment for atomic power plants

Yury Volobuyev,
Ph. D. in Engineering, Director of Welding Institute, CNIITMASH, Rosatom State Corporation
Report: Evolution of welding materials and technological processes used to produce equipment of critical service (co-authors: Y. Volobuev, V. Mitrofanov, S. Volobuev, A. Karakin)

Gleb Turichin,
D. Sc. in Engineering, Professor, Rector, St. Petersburg State Marine Technical University
Report: Innovative laser and additive technologies

Sergey Parshin,
D. Sc. in Engineering, Professor, Peter the Great St. Petersburg Polytechnic University
Report: Technologies, equipment, and materials for underwater wet welding of shipbuilding steels
(Co-authors: S. Parshin, A. Levchenko, V. Karkhin, V. Nikulin)

Valery Vikhman,
Head of Welding Department at Central Research Institute of Materials
Report: Electron-optical technologies in the world and in Russia: technical economical study and development trends
(Co-authors: A. Kozlov, Senior Research Officer at Central Research Institute of Materials; V. Karkhin, Professor, Peter the Great St. Petersburg Polytechnic University)

11:00–13:00

OPEN CONFERENCE HALL 2, PAVILION F

CONFERENCE
PROVIDING PERSONAL PROTECTIVE MEANS FOR WORKERS IN 2025. OPTIMAL PROCESS STRUCTURING IN COMPLIANCE WITH THE NEWLY REVISED LAWS

ORGANISERS:
ASIZ;
ExpoForum International

DISCUSSION:
Starting with January 1, 2025, all employers must provide personal protective equipment for their employees along with washing agents in compliance with the United Typical Standards that replaced typical industrial regulations.
The transition period allowed by the Russian laws expired, and employers encountered a range of questions caused by the legislation changes. Today, when providing personal protection equipment to workers, their employers have to take into account their working conditions and professional risks.
This event is arranged to study the practice of employers' switching to United Typical Standards, to answer frequently asked questions and to take a closer look at disputable situations.

WELCOME SPEECH:
Vladimir Kotov,
President, ASIZ

MODERATOR:
Vladimir Kotov,
President, ASIZ

SPEAKERS:
Olga Reznikova,
CEO, FAKEL
Report: Switching to new rules of personal protection means distribution

Larisa Balabanova,
Deputy CEO for Regulatory Control Matters (as regards to personal protective equipment), Energocontract
Report: Choosing personal protective equipment for electric power workers

Varvara Sinitskaya,
Head of Marketing, SPR Safety
Report: Blindly following the letter of law — a no-win strategy for choosing personal protective equipment in 2025

12:00–13:00 LUNCH

CONFERENCE HALL E5–E6, LEVEL 1

13:00–17:30 INTERNATIONAL SCIENTIFIC-TECHNICAL CONFERENCE
PRESSING ISSUES OF WELDING PRODUCTION EFFICIENCY ENHANCEMENT

CONFERENCE HALL B1–B2, LEVEL 2

ORGANISERS:
ExpoForum International;
Alliance of Welders of St. Petersburg and North-West Region;
Kurchatov Institute National Research Centre – Prometey Central Research Institute of Structural Materials

MODERATOR:
Mikhail Timofeev,
Senior Welder, Kurchatov Institute National Research Centre – Prometey Central Research Institute of Structural Materials

SPEAKERS:
Victor Gezha,
Ph. D. of Engineering, Head of Sector, Kurchatov Institute National Research Center - Prometey Central Research Institute of Structural Materials
Report: Improving the express method used to define diffused hydrogen content in deposited metal

Alexander Sviridov,
Ph. D. in Engineering, Deputy Head of Technologies of Metal Powder Industry, Additive Production, Welding, Protective and Special High-Temperature Finishes for Materials, Kurchatov Institute National Research Center — Prometey Central Research Institute of Structural Materials — All-Russian Research and Development Institute of Aviation Materials
Report: Welding and related technologies: development trends and prospects

Alexander Chuprak,
Chairman of the Council for Professional Qualifications in Welding, Deputy CEO for Technical Regulations and Qualification Assessment, National Welding Control Association SRO
Report: National welding qualifications system

Maria Kostina,
D. Sc. in Engineering, Associate Professor, Leading Research Officer, Head of Physicochemical and Metal Materials Mechanics Lab, Baikov Institute of Metallurgy and Material Science, Russian Academy of Sciences
Report: Nitrogen-doped corrosion-proof steels: welding issues
(Co-authors: M. V. Kostina, V.S. Kostina)

Anatoly Abramov,
Senior Welder, SEVMASH Production Association
Report: Automation and robotization of welding processes. Experience of automatic welding introduction at SEVMASH: designing equipment and automatic welding technologies used in protective gas mediums for joints of cylinder-shaped structures in shipyard production sites

Alexey Levchenko,
Director, SVARKA Training R&D Centre
Report: Russian device and flux-cored wires for wet mechanized welding and cutting underwater

Mikhail Andreychikov,
CCO, ECHOPLUS S&P Centre
Report: Ultrasound nondestructive control of welded joints in different industrial sectors

Ksenia Rochnyak,
Project Manager, LuxLine
Report: Today's reality: buying and delivering equipment, component kits, and spare details from unfriendly countries for welding production sites in 2025

Mikhail Mashakin,
Technical Director, WELDBOOK
Report: WELDBOOK software for welding production sites and quality assurance

Vyacheslav Osipov,
Deputy Director, Laser and Welding Technologies Institute, St. Petersburg State Marine Technical University
Report: Technology and equipment for hybrid laser-arc welding designed for Russian shipbuilding industry. Amending the marine vessels classification and construction rules. Hybrid laser-arc welding introduction at Onega Shipbuilding and Ship Repair Plant

APRIL 10, THURSDAY

TIME	EVENT
09:00–18:00 REGISTRATION DESKS №43-47	REGISTRATION OF SVARKA/WELDING EXHIBITION CONVENTION PROGRAM PARTICIPANTS
09:15–11:00 CONFERENCE HALL E5–E6, LEVEL 1	WELCOME COFFEE
10:00–18:00 CONFERENCE HALL B1–B2, LEVEL 2	INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE **STATE-OF-THE-ART WELDING TECHNOLOGIES, EQUIPMENT AND MATERIALS FOR CONSTRUCTION AND REPAIR OF MAJOR AND FIELD PIPELINES** ORGANISERS: ExpoForum International; Gazprom
11:00–13:00 CONFERENCE HALL B6–B8, LEVEL 2	**CLOSED BOARD MEETING OF SENIOR WELDERS FROM THE UNITED SHIPBUILDING CORPORATION COMPANIES*** ** An invitation from the organisers is required* ORGANISERS: United Shipbuilding Corporation; ExpoForum International; Alliance of Welders of St. Petersburg and North-West Region; Kurchatov Institute National Research Centre – Prometey Central Research Institute of Structural Materials **MODERATOR:** **Alexander Prokhoda,** Project Manager, Innovations and Technical Development Office, Technical Development Department, United Shipbuilding Corporation
11:00–18:00	**BUSINESS MATCHMAKING CENTRE** B2B MEETINGS FOR CUSTOMERS AND SUPPLIERS OF THE WELDING SECTOR ORGANISER: ExpoForum International
13:00–14:00 CONFERENCE HALL E5–E6, LEVEL 1	LUNCH

14:00–16:00

CONFERENCE HALL B6–B8, LEVEL 2

SESSION
ROBOTIZATION AND DIGITALIZATION IN WELDING AND DEPOSIT WELDING

ORGANISERS:
ExpoForum International;
Alliance of Welders of St. Petersburg and North-West Region;

MODERATOR:
Dmitry Petrov,
Director, TECHLAB

SPEAKERS:
Dmitry Petrov,
Director, TECHLAB
Report: Out-of-the-box technological solutions in welding and deposited welding for production sites

Alexey Zhitkov,
CTO for Materials at Engineering and Technology Service (Research and Production Company)
Report: Making the welding process more effective - from digital systems to flux-cored wires

Alexey Babenko,
Technical Director, TECHLAB
Report: Out-of-the-box technological solutions in welding and deposited welding for production sites

Artur Khismatullin,
Senior Engineer, Laboratory of Lightweight Materials and Structures, Peter the Great St. Petersburg Polytechnic University
Report: From science to application. How WAAM technology can help solve production tasks

Roman Timofeev,
Deputy Director, Robowizard
Report: Complex approach to robotization of metal-processing production sites

Ivan Kladov,
Senior Engineer, Laboratory of Lightweight Materials and Structures, Peter the Great St. Petersburg Polytechnic University
Report: WAAM technology used in compressor building

Artem Novoselov,
Laboratory Assistant, Laboratory of Lightweight Materials and Structures, Peter the Great St. Petersburg Polytechnic University
Report: WAAM technology used to made light-weight wheel disks with enhanced durability

Igor Klimchuk,
Senior Structural Engineer, TECHLAB
Report: Reverse engineering in repair and recovery of technological equipment details

Alexey Orekhov,
Engineer, Laboratory of Lightweight Materials and Structures, Peter the Great St. Petersburg Polytechnic University
Report: Using 3D scanning for automated control of element geometry during printing

Pavel Panas,
Head of Department, VPG Laserone
Report: Using laser technologies in machine building

16:00–17:00

PAVILION F, STAND OF ALLIANCE OF WELDERS OF ST. PETERSBURG AND NORTH-WEST REGION

SPRING TRAINING FOR WELDERS
DURING THE INTERNATIONAL SCIENTIFIC-TECHNICAL CONFERENCE
PRESSING ISSUES OF WELDING PRODUCTION EFFICIENCY ENHANCEMENT

ORGANISERS:
Alliance of Welders of St. Petersburg and North-West Region;
ExpoForum International

WORKSHOPS ON LASER TECHNOLOGIES AND TRAINING OF LASER WELDING OPERATORS

18:10–21:30

CONFERENCE HALL ALFA-BANK D2

GALA EVENING*
**Access by invitation only*

APRIL 11, FRIDAY

TIME	EVENT
09:00–16:00 REGISTRATION DESKS №43-47	REGISTRATION OF SVARKA/WELDING EXHIBITION CONVENTION PROGRAM PARTICIPANTS

09:15–11:00

CONFERENCE HALL E5–E6, LEVEL 1

WELCOME COFFEE

10:00–12:00

CONFERENCE HALL B1–B2, LEVEL 2

ROUND TABLE DISCUSSION
UP-TO-DATE ISSUES OF CERTIFICATION ACTIVITIES IN THE WELDING PRODUCTION CERTIFICATION SYSTEM

DURING THE INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE
STATE-OF-THE-ART WELDING TECHNOLOGIES, EQUIPMENT AND MATERIALS FOR CONSTRUCTION AND REPAIR OF MAJOR AND FIELD PIPELINES

ORGANISERS:
ExpoForum International;
Gazprom

11:00–13:00

SCIENTIFIC SECTION OF WORKS BY POSTGRADUATE STUDENTS OF UNIVERSITIES IN THE NORTH-WEST REGION AS PART OF PRESSING ISSUES OF WELDING PRODUCTION EFFICIENCY ENHANCEMENT CONFERENCE

ORGANISERS:
Alliance of Welders of St. Petersburg and North-West Region;
ExpoForum International

MEMBERS OF SCIENIFIC BOARD:
Alexey Ilyin,
D. Sc. in Engineering, Associate Professor, Deputy CEO for Research – Head of the NPK-3, Kurchatov Institute National Research Centre – Prometey Central Research Institute of Structural Materials
Mikhail Timofeev,
Senior Welder, Kurchatov Institute National Research Centre – Prometey Central Research Institute of Structural Materials
Valery Krivorotov,
Ph. D. in Engineering, IRE-Polus Research and Technology Association
Valery Vikhman,
Head of Welding Department at Central Research Institute of Materials
Sergey Parshin,
D. Sc. in Engineering, Professor, Head of the Welding and Laser Technologies Department, Peter the Great St. Petersburg Polytechnic University

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13:00–14:00

CONFERENCE HALL E5–E6, LEVEL 1

LUNCH

13:00–15:00

CONFERENCE HALL B1–B2, LEVEL 2

ROUND TABLE DISCUSSION
FUNDAMENTAL STANDARDS USED AT GAZPROM IN REGARD TO WELDING AND NON-DESTRUCTIVE WELDING QUALITY CONTROL

DURING THE INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE
STATE-OF-THE-ART WELDING TECHNOLOGIES, EQUIPMENT AND MATERIALS FOR CONSTRUCTION AND REPAIR OF MAJOR AND FIELD PIPELINES

ORGANISERS:
ExpoForum International;
Gazprom

15:00–15:30 CONFERENCE HALL B1–B2, LEVEL 2	**SUMMING UP AFTER THE INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE STATE-OF-THE-ART WELDING TECHNOLOGIES, EQUIPMENT AND MATERIALS FOR CONSTRUCTION AND REPAIR OF MAJOR AND FIELD PIPELINES** ORGANISERS: ExpoForum International; Gazprom

Attention! The program is subject to change.

welding.expoforum.ru/en

CONVENTION & EXHIBITION CENTRE

EXPOFORUM

PETERBURGSKOYE HIGHWAY 64/1, ST. PETERSBURG, RUSSIA

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