

6 OCTOBER (TUESDAY)

MAIN HALL

CHAMPIONSHIPS AREA

11.00 – 13.00

Practical case study session
Welding equipment: industry needs and future developments

Partner: RNTCO

Key issues:

- industrial enterprises' requirements for welding equipment;
- selection and operational criteria;
- modernisation of equipment fleets;
- reliability, productivity and service;
- compatibility with automation;
- sector-specific application characteristics;
- trends in the development of welding equipment in industry.

13.15 – 14.45

Plenary discussion
Welding technologies in Russia's new industrial agenda: from customer requirements to technological development

Partner: RNTCO

Key issues:

- the role of welding technologies in industrial development;
- major customers' requirements regarding the quality and reliability of manufacturing solutions;
- technological modernisation of enterprises
- automation, robotisation and digitalisation of production;
- the development of laser technologies for industrial applications;
- barriers to modernisation and the introduction of new technologies;
- new skills required for modern manufacturing;
- priorities for the sector's development.

15.15 – 16.45

Practical expert session
Robotisation of welding production: from digital readiness to actual implementation

Format: Robotics Consortium

Key issues:

- enterprises' readiness for the robotisation of welding;
- digitalisation as the foundation for production automation;
- which welding processes are suitable for robotisation;
- integration of robotic solutions into the production process;
- typical barriers to implementation;
- the role of Russian solutions, components and control systems;
- the practical benefits of robotisation for industrial enterprises.

10.30 – 16.00

2026 'Weldex Russian Welding Cup' National Championship

7 OCTOBER (WEDNESDAY)

MAIN HALL

CHAMPIONSHIPS ZONE

11.00 – 12.30

Strategic session

Aluminium in industry: modern technologies for welding, cladding and additive manufacturing

Partner: Aluminium Association

Key topics:

- modern technologies for welding aluminium and aluminium alloys;
 - friction stir welding in industrial applications;
 - laser welding of aluminium;
- surface hardening and additive technologies for aluminium materials;
- application of these technologies in transport, mechanical engineering, construction, aviation and the energy sector;
- requirements for the quality and process stability of these processes;
- prospects for the development of aluminium alloy joining technologies in industry.

13.00 – 14.30

Technical session

Additive technologies for industry: from 3D printing to real-world applications

Partner: Association for the Development of Additive Technologies

Key topics:

- the practical application of additive technologies in industry;
- the manufacture, repair and restoration of components;
 - materials, equipment and technological solutions;
 - designing products for additive manufacturing;
- requirements for quality, testing and verification of product characteristics;
- barriers and prospects for the implementation of these technologies in enterprises.

14.45 – 16.00

Panel discussion

An efficient manufacturing enterprise: solutions that work

Partner: 'CEKH' Manufacturers' Association

Key issues:

- improving enterprise efficiency through the optimisation of production processes;
- management decisions regarding the modernisation of enterprises and the introduction of new technologies;
- developing human resource potential and increasing labour productivity;
- practical case studies of companies that use welding technologies as a key element of their production process;

16.15 – 17.45

Round table

Modern requirements for welding production

Key issues:

- current requirements for the organisation of welding production;
- changes to the regulatory framework and standardisation of welding processes;
- modern approaches to ensuring the reliability of welded joints;
 - the application of modern non-destructive testing methods;
- digital technologies as a tool for improving inspection efficiency and reducing defects;
- current trends in the development of the technical regulation system in the field of welding.

10.30 – 16.00

2026 'Weldex Russian Welding Cup' National Championship

8 OCTOBER (THURSDAY)

MAIN HALL

MASTERCLASSES AT THE EXHIBITION STANDS

10.30 – 12.30

Expert session

The Arctic as a driver of new requirements for welding technologies and industrial solutions

Partner: St Petersburg Welders' Alliance

Key issues:

- new requirements of Arctic projects for modern welding technologies;
- welding solutions for shipbuilding, the oil and gas sector and Arctic infrastructure;
- materials and technologies to ensure the reliability of welded structures in low-temperature conditions;
- automation, robotisation and digitalisation of welding production;
- current requirements for industrial safety and the organisation of welders' workplaces;
- promising areas of development in welding technologies for Arctic exploration.

13.00 – 14.00

Industry discussion: The Russian fastener market under new conditions

Partner: Fastener Club

Key issues:

- the current state of the Russian fastener market and key changes in demand;
- the development of specialised fasteners;
- localisation of production and the development of companies' in-house capabilities;
- changes in customer requirements for Russian fasteners;
- promising segments and potential areas of market growth in 2027.

14.30 – 16.00

Expert session

New trends in welding technologies: China's experience and opportunities for the Russian market

Key questions:

- Which technologies are currently in greatest demand in China's welding industry?
- Which solutions from Chinese manufacturers are most in demand on the Russian market?
- Opportunities for technological cooperation between Russian and Chinese companies.

16.30 – 18.00

Awards ceremony.

**National Championship 'Weldex 2026 Russian Welding Cup'. 'Women in Welding' competition.
Awards ceremony for exhibition participants.**

9 OCTOBER (FRIDAY)

MAIN HALL

11.00 – 13.00

Practical session

The best innovative projects implemented in the field of welding, 2025–2026