



## SMART-UNIVERSITY WHICH UNITES EUROPE AND ASIA

# Information technology of WELDING ENGINEERING MASTER'S DEGREE PROGRAM

**Admission Requirements:** Bachelor's Degree / Specialist's Diploma. For admission, you must provide a CV. Application deadline is August, 15th (with the potential extension up to September, 1st.) Duration of the Program 2 years.

**Language Proficiency:** Applicants should have Intermediate level (B1) of the English language.

**Program Description:** The program provides fundamental understanding of welding technologies and an awareness of recent technical developments in the oil and gas, the shipbuilding, and the pipe industry and construction. Sphere of knowledge includes the management of design and production of welded structures.

### » PROGRAM STRENGTH

#### ADVANTAGES:

The unique combination of theory and practice focusing on the design and development of welding technology and welded joints. Students receive a profound training in engineering and such skills as computer-aided design and engineering (CAD/CAE). Welding is integral to the manufacture of a wide range of products, from classical welding processes (MMA, MIG/MAG, TIG) up to special welding (laser, robotics). Students are acquainted with high-tech production located in the Southern Urals.

#### LECTURERS:

Head of the program: Mikhail Ivanov, PhD in Technical Sciences, Head of the Department "Welding Engineering».

#### KEY LABORATORIES:

- Digital Welding Systems Laboratory
- Automated and Robotic Welding Process Laboratory
- Supercomputer Simulation Laboratory

#### COURSES INCLUDE:

The main courses are "Theoretical foundations of welding", "Welding robots", "Metal science in welding", "Computer-aided engineering in welding", "Strength of welded joints", "Russian as a foreign language".

#### INTERNATIONAL SCIENTIFIC PARTNERSHIPS AND COLLABORATION:

Students can take part in international conferences with scientific reports, as well as attend open lectures of leading scientists and industrialists in SUSU, South Ural and foreign universities.

#### GRADUATE EMPLOYMENT

Students develop diverse and rewarding careers in engineering management in a wide range of organizations deploying welding technologies. Graduates are highly sought by Russian and international companies which need the welding and joining technologies, and attain positions of significant engineering and management responsibility.

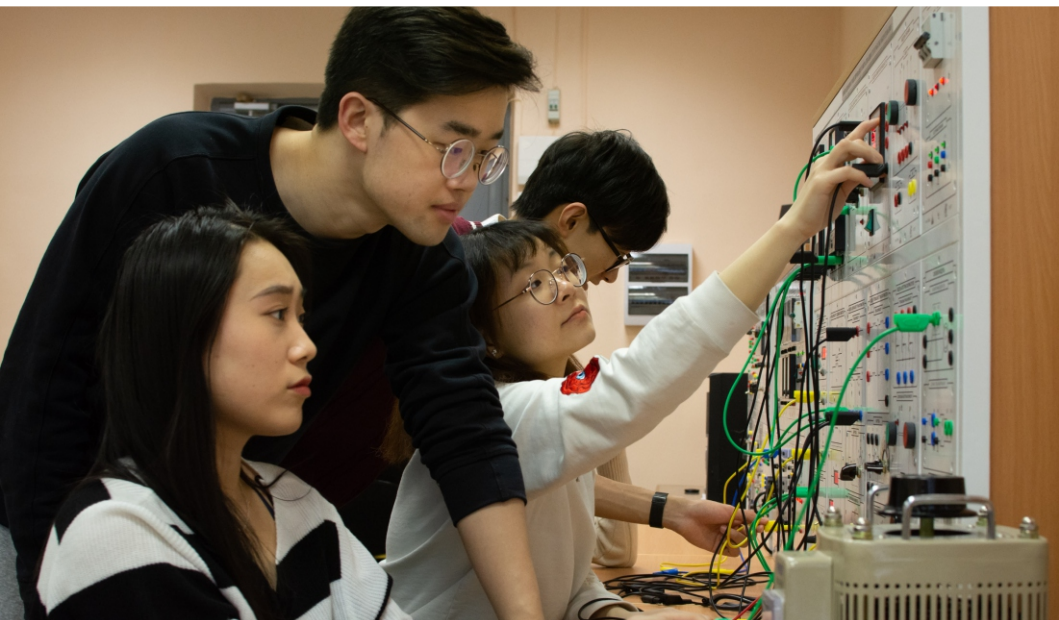
## »» SOME ORGANIZATIONS WE REGULARLY WORK WITH:



## »» REVIEW

**Mikhail A. Fedorov (The head of the laser-hybrid welding area of JSC "ChTPZ"):** *"The education took place vividly and interestingly, especially at the specialization and equipment of welding production. We practiced at various enterprises, talked with successful and respected people there. The management of these enterprises looked at us. All the doors were open.*

*Having a degree in welding technology, not we were chosen, but we chose a place to work as the specialty of welding with the given metallurgical bias of our region industry, was in demand in all the largest plants and companies."*



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### CURATOR CONTACT INFORMATION:

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### FILE YOUR APPLICATION AT:

applicant@susu.ru



[www.susu.ru](http://www.susu.ru)

### USEFUL LINKS:

<https://www.susu.ru/en/university/departments/educational/faculties/material-science-and-metallurgical-technologies>