

The role of the Gate2RuBIN project
in the international cooperation of
the Ulyanovsk region researchers
with Europe: practice and examples

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Ulyanovsk State Technical University

Russian Federation

Ulyanovsk State Technical University

- 52 Departments
- 81 Bachelor's, Master's and Engineer's Degree Programs
- More than 16 000 students
- More than 3500 intellectual property certificates
- 2nd place among all Russian enterprises and 1st place among technical universities in the number of patents assigned
- The largest regional scientific library which contains over 1,500,000 books
- Comprehensive academic training system in 29 study domains
- 3 Ph.D. Dissertation Committees
- The main areas of scientific research are ICT, Mechanical Engineering, Aviation Engineering, Ecology, Mathematics, etc.

Ulyanovsk State Technical University

- More than 40 gold, silver and bronze medals at prestigious international exhibitions in Brussels, Paris, Geneva, Nuremberg.
- Joint scientific and research activities with partners from Germany, Poland, France, Bulgaria, UK, USA, China, Japan, etc.
- Direct bilateral cooperation are financed by DAAD (Germany), Scientific fund “Kassa im. Mianowskiego” (Poland), British Council (UK), ets.
- 2 FP6 Projects: - RUSERA, FP6-502262 (2003 – 2004);
- RUSERA-EXE, FP6-0043701 (2006 – 2008).
- The member of the Russian Business Innovation Network (Gate2RuBIN), the Russian Technology Transfer Network (RTTN), Russian-French Technology Network (RFR)

ICT Research Activities

- Hybrid & Soft Computing;
- Real time embedded systems;
- Real time Operation Systems;
- Artificial Intelligent Systems;
- High Performance Computing & Grid Computing;
- Avionic;
- Diagnostics;
- Computer Systems and Architectures;
- Programming Technology;
- Reconfigurable systems and computing;
- Information Systems;
- Telecommunications;
- Robotics;
- CAD;
- etc.

Cybernetic Systems Development

- Linux competences: HRTOS “SandLinux”; universal system for development of the embedded systems “SandLIX“ (bronze medal at the International Salon of Inventions in Geneva in 2007); office OS distributive SkyLIX
- Platinum Partner of the Linux Online
- Web 2.0 widgets' systems for JS-Kit (<http://js-kit.com>) and JackNyfe companies (USA)
- The next generation payment system (personalization of the payment services)
- Software for the ultrasonic QA systems for the EVS-ScanMaster company (Israel, <http://www.evs-sm.com>)
- Modern programming languages such as C/C++ (Qt), Erlang, Ruby, Haskell, JavaScript, Java, JSP, Perl, PHP

Projects

- The methodology and CAD system for integrated processing complexes for purification of drinking water, recycled and waste water
- Universal software development system for real-time embedded systems
- A domain generative model and framework for real-time embedded systems designing
- Intelligent design repository
- Real time ultrasonic diagnostic system

Areas of cooperation

- Joint research activities
- Joint scientific papers and reports
- Joint applications for scientific programs, calls, tenders and grants
- Joint conferences and workshops

Cooperation with Gate2RuBIN

- Technological profiles
- International exhibitions
- Brokerage events
- NESTER catalogue
- SME cooperation (Germany, France)
- Scientific partners searching
- Coordinators searching

Thank you for attention