

System programming

June 20 – July 29, 2016

Ural Federal University, Ekaterinburg, Russia

Summer University program

- For students of the programs in IT, programming, program engineering
- Department of International educational programs

Introduction

The System Programming Summer University program is designed for students who wish to deepen knowledge in software engineering and computer hardware. System programming aims to produce software which provides services to computer hardware, hence the need for proficiency in both software and hardware. Classes will include lectures where new theoretical material will be presented, labs and computer workshops for practical trainings, and seminars where students will present the results of their project. The Ural Federal University has the modern IT infrastructure. The networking laboratory equipped with Cisco hardware, the high performance computing cluster and the cloud platform. The program also gives a wonderful opportunity to see “inside” how these aspects of work organized in real organizations thanks to the practical-oriented part, visiting different enterprises.

Number of ECTS: 8 ECTS

Disciplines (at a choice)

- GPU programming
- Computer Networks I
- Computer Network Security
- Analytical Image Compression
- Web programming
- Foundations of Compiler Design I
- Structured Computer Organization
- Optimal control
- Parallel software development
- Unix Operating System
- Functional Programming
- Scripting Languages
- Distributed object technologies
- Xeon Phi programming
- Scientific software development in C workshop

Fee info

1100 USD includes:

- Tuition fee (lectures from Monday to Thursday from 9.00 to 15.00)
- Invitation letter for Visa
- Organizations visits
- 2 excursions fee
- Meals (Breakfast and lunch from Monday to Thursday, according to the meal plan)
- Some souvenirs
- Transfer from and to the Airport
- Accommodation
- Certificate

NOT included:

- Insurance
- Visa and consular fee
- Flights to and from Yekaterinburg
- Additional cultural events that are not free of charge and offered/not offered by the program schedule
- Other student expenses