

Educational Course and Workshops on Software Development of Mobile Applications for the Intel[®] Atom

Oleg Granichin, Vladimir Kiyayev
Sankt-Petersburg State University
Oleg_granichin@mail.ru

Abstract

In St. Petersburg State University since 2003 operates Laboratory of Systems PRogramming and INformation Technology, created with support of Intel Corporation in Russia (SPRINT-Intel). To date, the Laboratory has developed two main areas of activity - High Performance Computing (Physics Department) and software design for mobile platforms (Mathematics and Mechanics).

On May 2010 the Laboratory has successfully passed the inter-faculty “The Day of the application developer for the Atom processor” (“Intel ® Atom TM Day”) and organized the contest “Atomosphere-2010”. In developing this initiative by Intel employees in Russia, it was decided to prepare a compact training course and series of workshops that would cover the main issues of developing applications for mobile platforms. As a basic operation system was chosen MeeGo.

Creating a course led by professor O. Granichin (Department of System Programming of Mathematics and Mechanics Faculty) and coordinator of the Laboratory SPRINT V. Kiyayev. The manual contains 16 basic lectures and 12 laboratory studies, in which a good theoretical and practical level fully address all issues of mobile application development - from downloading and installing the OS MeeGo on students’ laptops to commercialization of the developed software applications.

The authors are confident that the practical application of new knowledge will greatly benefit the training of students and will promote the popularization of modern, efficient software tools.