

Program

4th Nokia week & 7th FRUCT Conference in Saint-Petersburg

Saint-Petersburg, Russia
26-30 April 2010



Nokia Research Center

Nokia Siemens
Networks



The program of 4th Nokia week in St-Petersburg

April 26-30, Saint-Petersburg, Russia

All events are free of charge, but all participants must be registered at www.fruct.org/nokiaweek

DATE	TIME	ACADEMIC TRACK	TECHNOLOGICAL TRAININGS
26.04.10	10.00-18.00	SDL modeling workshop (in Russian)	MAEMO5 training for beginners (in Russian)
27.04.10	10.00-18.00	Advanced Qt SDK training (in Russian)	
28.04.10	10.00-12.00	Official opening of 4 th Nokia week and 7 th FRUCT conference (in English)	
	13.00-16.00	7 th FRUCT conference (in English)	Smart-M3 platform training (in English)
	16.15-18.00		Legal status of Open Source (in Russian)
29.04.10	10.00-18.00		Qt training for beginners (in Russian)
30.04.10	10.00-18.00		

* Colors in the 4th Nokia week program table encode locations on the events. You can find the corresponding color-code tags attached to the maps on the following pages.

DATE	TIME	SESSIONS OF 7 th FRUCT CONFERENCE		
28.04.10	10.00-12.00	Official opening of 4 th Nokia week and 7 th FRUCT conference (conference-hall)		
	12.00-13.00	Lunch break (take it on your own)		
	13.00-14.30	Tutorial on Scientific publishing process (conference-hall)		
	14:30-16:00	Security Solutions (conference-hall)		
	16:00-16:15	Coffee-break (conference-hall)		
	16:15-18:00	Network Technologies I (conference-hall)	Mobile Software & Services (room 53-03)	
29.04.10	10.00-12:00	Modern Services & Smart Spaces Platforms (room 53-03)		
	12:00-12:15	Coffee-break (room 53-01)		
	12:15-14:30	Mobile Multimedia & Video (room 53-03)	Energy & Resource Management (room 53-07)	
	14:30-15:30	Lunch break (take it on your own)		
	15:30-17:00	Network Technologies II (room 53-03)	MeeGo (Maemo) Solutions I (room 53-07)	
	17:00-17:15	Coffee-break (room 53-01)		
30.04.10	10.00-12:15	Modern Services & Smart Spaces Solutions (room 53-03)		
	12:15-12:30	Coffee-break (room 53-01)		
	12:30-13:30	Embedded Networks & Solutions (room 53-03)	MeeGo (Maemo) Solutions II (room 53-07)	
	13:30-14:30	Lunch break (take it on your own)		
	14:30-16:15	Embedded Networks & Solutions (cont) (room 53-03)	MeeGo (Maemo) Solutions II (cont) (room 53-07)	
	16:15-17:00	Talk: De-correlation Transforms in Image and Video Compression (room 53-03)		
	17:00-17:15	Official closing of 4 th Nokia week and 7 th FRUCT conference (room 53-03)		

4th Nokia week: SDL modeling workshop (in Russian)

Тренинг начинается с обзорных лекций, которые будут проходить в лекционной аудитории 13-09:

- Введение в язык спецификации и описания SDL: основные понятия, область применения
- Основные понятия имитационного моделирования

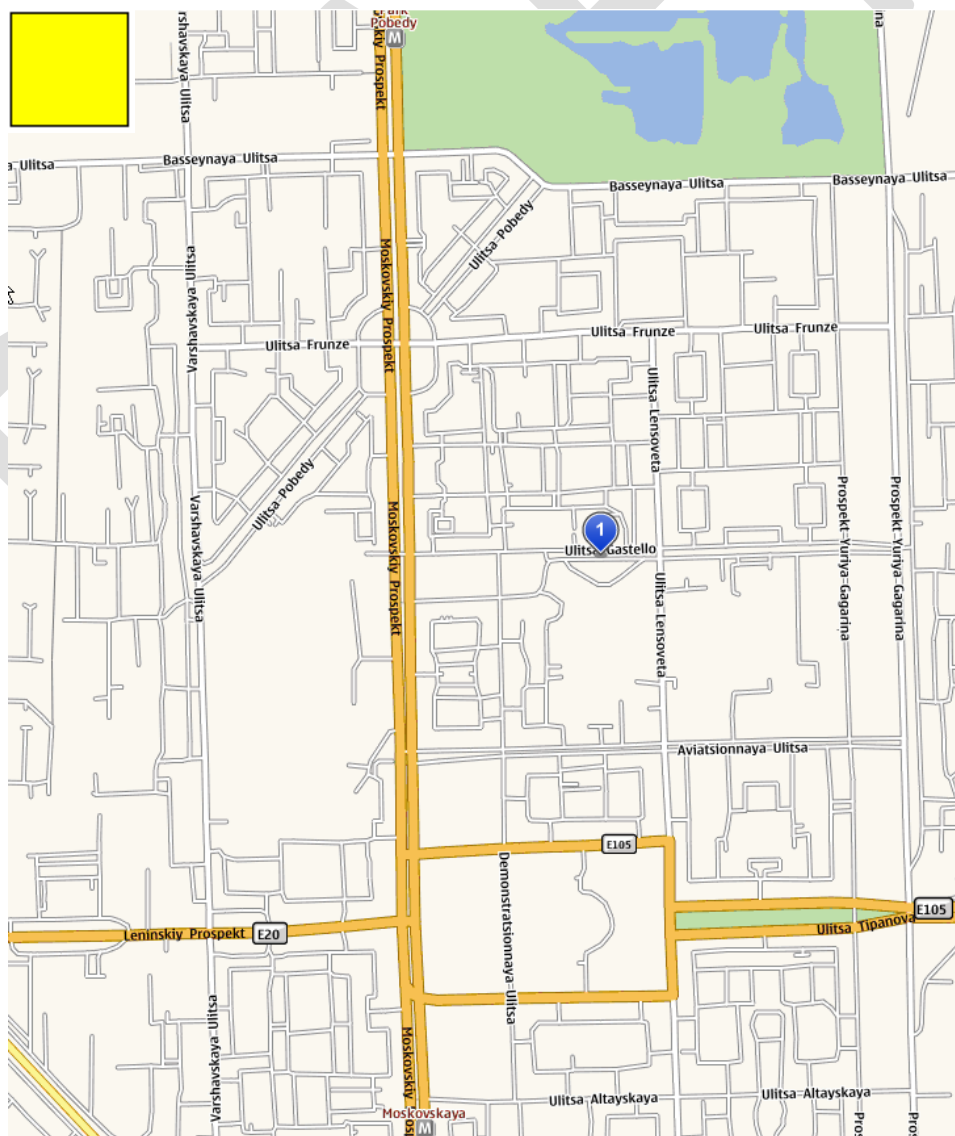
Практические и лабораторные занятия проводятся в лаб. кафедры информационных систем, ауд. 33-09:

- Обзор набора инструментов для разработки моделей на языке SDL - IBM SDL Tool Suite
- Практический пример_1: применение языка SDL для разработки спецификации встроенных систем, обсуждение
- Применение модели на языке SDL для проведения симуляции (имитационного моделирования), обсуждение
- Практический пример_2: реализация окружения SDL-модели на языке C/C++
- Организация совместного моделирования на языках SDL и C/C++, обсуждение
- Практический пример_3: валидация, применение инструмента валидации для проверки SDL-моделей на наличие ошибок, обсуждение

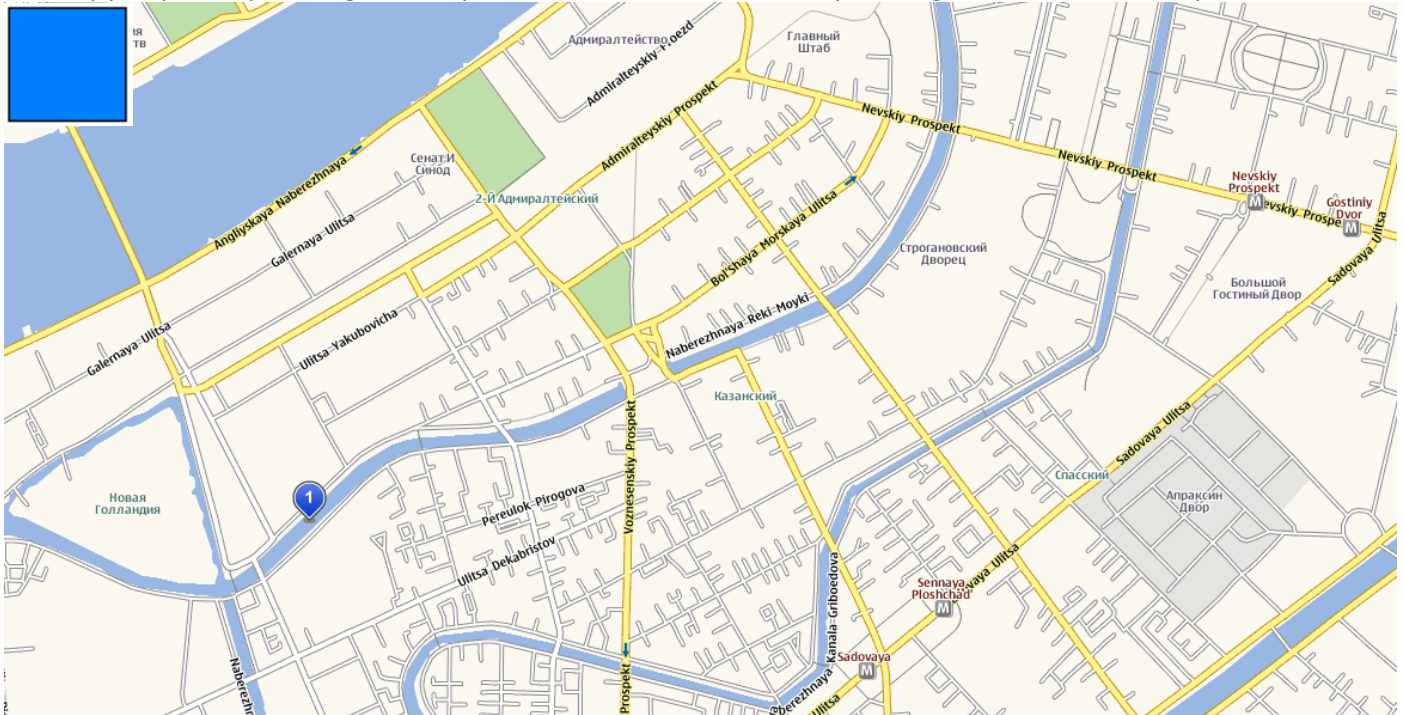
Участникам тренинга желательно обладать следующими знаниями и навыками:

- Программирование на C/C++
- Основы теории встроенных систем

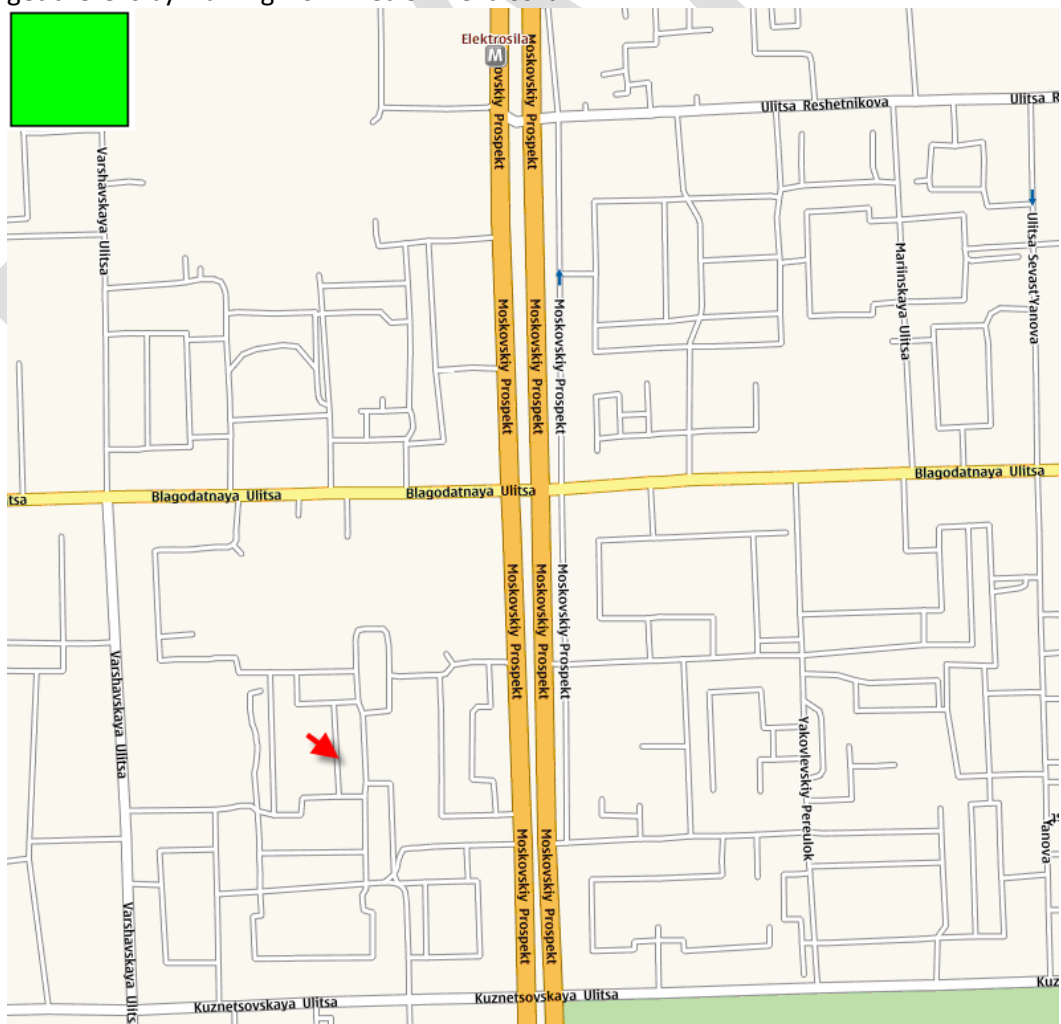
Тренинг проводится в корпусе ГУАП на ул. Гастелло, 15, недалеко от метро "Московская" (желтый код карты).



The FRUCT conference on 28-30.04 and **ALL events** on April 28 are held in the main building of SUAI university Bolshaya Morskaya, 67 in the center of St-Petersburg, not far from St. Isaac cathedral. You can get there from metro "Nevsky prospect" by walking or trolleybus 5, 22 or bus 22, 3, 27; or by walking from metro "Sadovaya"



Trainings on 26.04, 27.04, 29.04 and 30.04 will be held at ICT academy (SUAI) on Moskovsky prospect, 149V. The easiest way to get there is by walking from metro "Elektrosila".



4th Nokia week: MAEMO5 training for beginners (in Russian)

Тренинг будет проводиться Санкт-Петербургской лабораторией ГУАП-NOKIA при участии разработчиков Маето из Nokia, не пропустите уникальную возможность получить знания и комментарии «из первых рук». Тренинг проводится на **русском языке** и нацелен на знакомство с инструментами и методами разработки приложений для платформы Маето и предназначен для всех, кто интересуется разработкой приложений для мобильных устройств. Участие в тренинге **бесплатное**, но необходима регистрация.

Участникам тренинга желательно обладать следующими знаниями и навыками:

- Программирование на C;
- Базовые знания Linux (командная строка);
- Основы программирования графических интерфейсов пользователя.

Основные темы тренинга:

- Введение в Маето. Платформа для мобильных устройств: специфика, ограничения
- Программное обеспечение с открытым исходным кодом: принципы, лицензии, методы разработки в сообществах разработчиков
- Обзор набора инструментов разработчика (SDK)
- Программирование графических интерфейсов пользователя: GTK+ и Hildon
- Интерфейс пользователя в мобильном устройстве
- Практический пример: первое Маето-приложение. Меню и тулбар. Методы ввода в Маето-устройстве
- Виджеты Hildon. Контейнеры и layouts
- Интеграция с платформой: telepathy, evaluation-data-server, single-sign-in
- Программирование работы с сетью
- Система пакетов и распространения программного обеспечения в Debian

Тренинг проводится в ГУАП/ICT академии, Московский пр., 149В, у метро "Электросила" (зеленый код карты).

4th Nokia week: Advanced Qt SDK training (in Russian)

Внимание: Во время тренинга участники будут ознакомлены с конфиденциальной информацией по решениям Nokia для разработчиков до ее публичного анонсирования, поэтому все участники данного тренинга должны будут подписать соглашение о неразглашении (NDA) до момента официального анонсирования соответствующей информации (на одни сутки).

Участникам тренинга желательно обладать следующими знаниями и навыками:

- Знание основ Qt;

Основные темы:

- Qt для мобильных платформ - обзор и перспективы.
- Возможности Qt SDK (инструменты, библиотеки и поддерживаемые платформы)
- Работа в IDE Qt Creator.
- Разработка и портирование приложений для платформы Symbian при помощи Qt. Отладка на устройстве.
- Разработка и портирование приложений для платформы Маето при помощи Qt. Отладка на устройстве.
- Практический тренинг. Сборка и отладка Qt приложения для Symbian или Маето.
- Qt Mobility.
- Практический тренинг. Использование Qt Mobility API.

Для выполнения практических заданий на тренинге вам потребуется ноутбук. Желательно, но не обязательно наличие смартфона на базе Symbian или Маето и ПО для его подключения к ПК. Все необходимые инструменты и SDK будут раздаваться в начале мероприятия.

Тренинг проводится в ГУАП/ICT академии, Московский пр., 149В, у метро "Электросила" (зеленый код карты).

4th Nokia week: Smart-M3 platform training (in English)

The training session gives an overview of different available APIs for the Smart-M3 platform and the possible programming models. There is also a hands-on component where a simple application written in python is extended.

Smart-M3 is an interoperability platform that provides mechanisms to share information expressed using RDF. The platform consists of a Semantic Information Broker (SIB) that stores the information, and Knowledge Processors (KP) that can insert, remove, query and subscribe to information. The information is stored in Smart-M3 according to standardized or otherwise agreed ontologies. Information sharing helps the participating KPs to gather relevant context information which leads to more efficient operation and innovative multi-device use cases. For more information about Smart-M3 please check <http://en.wikipedia.org/wiki/Smart-M3>.

The Smart-M3 open source release contains KP APIs for GLib/C, Python, and Qt/C++. The KPs can connect to the SIB by using either TCP/IP or NoTA H_IN protocol. There are also ontology library generators for GLib/C, Python and ANSI-C APIs that allow developers to program using ontology concepts instead of using Smart-M3 basic operations and RDF. The release will be improved with new features such as conditional update and a set of generic KPs helping to process context information.

The training attendees have a choice to follow the training in lecturer-driven mode or take part in hands-on, which assumes the following pre-requirements from the corresponding attendees:

- You should bring own laptop with working installation of Smart-M3. Smart-M3 will available to all developers under open license. To learn more about Smart-M3 installation visit: <http://sourceforge.net/projects/smart-m3/>
- You should have basic knowledge of Python language

The training agenda is as follows:

- Show M3 python API in detail, overview of other APIs
- Different abstraction levels: SSAP vs. using an ontology library
- Hello world example
- Hands-on exercise / detailed demo

Training will be held in the main building of SUAI University, Bolshaya Morskaya 67, room 53-07 (blue map code).

4th Nokia week: Legal status of Open Source (in Russian)

Права на результаты интеллектуальной деятельности согласно Российскому законодательству

Будут рассмотрены основания возникновения прав на результаты интеллектуальной деятельности (РИД), рассмотрены различные виды охраняемых РИД, в частности, объекты авторского права такие как программы для ЭВМ и базы данных и так называемые объекты промышленной собственности – изобретения, полезные модели и промышленные образцы. Также будут вопросы различных видов прав на РИД, передачи прав на РИД, в частности, вопросы передачи прав на программы для ЭВМ (лицензионный договор).

Введение в открытые лицензии GPL/LGPL/FDL/Creative Commons/etc

Будут рассмотрены основные принципы открытых лицензий, применяемых к программному обеспечению с открытым кодом, различия между различными лицензиями, особенности их применения в мобильных устройствах.

Открытые лицензии и Российское законодательство

Будут рассмотрены несоответствия в условиях открытых лицензий Российскому законодательству, а также возможные юридические проблемы, связанные с использованием программного обеспечения, распространяемого с соответствии с различными открытыми лицензиями.

Тренинг проводится в главном здании университета ГУАП, Б. Морская, 67, комната 53-07 (синий код карты).

4th Nokia week: Qt training for beginners (in Russian)

Тренинг будет проводиться Санкт-Петербургской лабораторией СПбГЭТУ-NOKIA при участии разработчиков из Nokia, не упустите уникальную возможность получить знания и комментарии «из первых рук». Тренинг проводится на **русском языке** и нацелен на знакомство с инструментами и методами разработки приложений на Qt платформе и предназначен для всех, кто интересуется разработкой приложений для мобильных устройств. Участие в тренинге **бесплатное**, но необходима регистрация.

Участникам тренинга необходимо обладать следующими знаниями и навыками:

1. Уверенное знание C++;
2. Навыки работы с gnu/make, умение читать и понимать Makefiles
3. Начальные навыки работы в Linux на уровне пользователя
4. Базовые знания gcc и binutils

Основные темы тренинга

День первый

- Что такое Qt, краткая история, архитектура
- Обзор основных виджетов и инструментов
- Алгоритм создания приложения, система сборки qmake
- Архитектура мета-объектной системы Qt
- Сигналы и слоты
- Способы обмена сообщениями между объектами
- Обзор стандартных диалоговых окон, Базовые классы QWidget и QDialog
- Соглашения о выделении и использовании памяти. Менеджеры компоновки

День второй

- Примитивы и инструменты 2D графики
- Обработка событий
- Главное окно приложения QMainWindow
- Таблицы и списки: стандартные модели
- Работа с сетью

Тренинг проводится в ГУАП/ICT академии, Московский пр., 149В, у метро "Электросила" (зеленый код карты).

The program of 7th FRUCT conference

April 28-30, Saint-Petersburg, Russia

The conference is free of charge, but all participants must be registered at www.fruct.org/conference7

April 28 (Wednesday)

Saint-Petersburg State University of Aerospace Instrumentation, Bolshaya Morskaya, 67

09:30	30m	Registration	
Session: Official opening of 4th Nokia week and 7th FRUCT conference			
Room: SUAI, Bolshaya Morskaya 67, Main conference-hall			
10:00	5m	Welcome to the 4 th Nokia week and 7 th FRUCT conference, Sergey Balandin, FRUCT General Chair	
10:05	5m	Greetings from Saint-Petersburg State University of Aerospace Instrumentation, Eugene Krouk, Dean of Information Systems and Control Faculty, St-Petersburg State University of Aerospace Instrumentation	
10:10	5m	Greetings from Nokia, Victor Saeijs, Vice-President, Head of Nokia Eurasia	
10:15	5m	Greetings from St-Petersburg Government, Evgeny Tsvirko, Chairman, Committee on IT and Communications of St Petersburg	
10:20	5m	Greetings from Nokia Siemens Networks, Paul Kusubov, Head of Partnership Projects in Nokia Siemens Networks Russia	
10:25	5m	Greetings from Consulate of Finland in St-Petersburg, Jyrki Terva, Consul, General Consulate of Finland	
10:30	40m	Keynote talk: Market trends and Nokia's strategies in Mobile Convergence, Victor Saeijs, Vice-President, Head of Nokia Eurasia	
11:10	20m	Invited talk: Present and future Russian sector of Mobile' Software development, Valentin Makarov, President of RUSSOFT Association	
11:30	30m	FRUCT Program Description, Status and Future Perspectives, Sergey Balandin, Nokia Research Center	
12:00	1h	Lunch break (take it on your own)	
13:00	1.5h	Scientific publishing process: writing and presenting of high quality papers, M. Hännikäinen, TUT, Finland	
Session: Security Solutions			
Room: SUAI, Bolshaya Morskaya 67, Main conference-hall		Chairman: Andrey Ovchinnikov	
14:30	45m	Lightweight security solutions, P. Jäppinen, LUT, Finland	
15:15	15m	Anonymity in information processing, storage and transmission, S. Bezzateev, SUAI, Russia	
15:30	15m	Modern Cryptography Algorithms in the Embedded Environment, A. Hakkala, S. Virtanen, University of Turku, Finland	
15:45	15m	Digital Watermarks for C/C++ Programs, A. Fionov, SSUTIS, Russia	
16:00	15m	Coffee-break (main conference-hall)	
Session: Network Technologies I		Session: Mobile Software & Services	
Room: Main conference-hall Chairman: Yevgeni Koucheryav		Room: 53-03 Chairman: Alexander Trufanov	
16:15	30m	NSN Company and portfolio & business lines overview, V. Shaporov, NSN, Russia	Overview of recent developments in Qt and its learning offerings, V. Minenko, Nokia, Germany
16:45	15m	SIP bottleneck analysis in IMS, D. Gorbunov, SUT, Russia	
17:00	15m	Simulation Model of the Intelligent Network's Node, I. Buzyukova, SUT, Russia	QtMobility - Qt API extensions for mobile development, P. Zubarev, K. Krinkin, SPbETU, Russia
17:15	15m	Modeling and Analysis of WAP protocol Family, D. Chalyy, M. Alekseeva, E. Dashkova, YSU, Russia	Nokia Life Tools, services for the emerging markets, C. Riva, Nokia, Finland
17:30	15m	Experiences on the development and pilot testing of autonomous Wireless Sensor Networks, M. Hännikäinen, TUT, Finland	Virtual Telescope and Stars Guide Service for Mobile Device, A. Reyss, PetrSU, Russia; S. Balandin, NRC, Finland
17:45	15m	Percentiles calculation of the IP packet delay distribution function, A. Sokolov, SUT, Russia	Concept of behavioral-targeted recommendation system for location-based services, A. Koren, I. Sipunova, SUAI, Russia
18:00		Closing of Day 1	

April 29 (Thursday)

Saint-Petersburg State University of Aerospace Instrumentation, Bolshaya Morskaya, 67

09:30	30m	Registration and Day Agenda	
Session: Modern Services & Smart Spaces Platforms			
Room: 53-03		Chairman: Søren Forchhammer	
10:00	1.5h	Modern interactive Internet services, V. Onossovski, A. Terekhov, SPbSU, Russia	
11:30	30m	Smart-M3 information sharing platform, J. Honkola, Nokia, Finland	
12:00	15m	Coffee-break, room 53-01	
Session: Mobile Multimedia & Video		Session: Energy & Resource management	
Room: 53-03		Room: 53-07	
Chairman: Valentin Onossovski		Chairman: Jukka Honkola	
12:15	45m	Trends in Video Coding and Processing, S. Forchhammer, DTU, Denmark	Energy Efficiency Optimization for Future Wireless Broadband Networks, S. Andreev, Y. Koucheryavy, TUT, Finland; A. Anisimov, Motorola, Russia; P. Gonchukov, A. Turlikov, SUAI, Russia
			Energy-Efficient Sleep Mode Analysis and Optimization, A. Anisimov, Motorola, Russia; S. Andreev, TUT, Finland; A. Turlikov, SUAI, Russia
			System Level Simulator for proving Energy Efficiency algorithms, P. Gonchukov, A. Turlikov, SUAI, Russia
13:00	15m	Methods of camera noise reduction for digital mobile devices, A. Veselov, I. Grohotkov, M. Gilmutdinov, SUAI, Russia	See the power of software: Optimizing mobile software for energy consumption, G. Bosch, Nokia, Finland
13:15	15m	Dependence video quality on NALU size, A. Chuykov, F. Taubin, SUAI, Russia	
13:30	15m	Towards encoder power consumption comparison of Distributed Video Codec and H.264/AVC, A. Ukhanova, DTU, Denmark	Evaluation of Energy Aware Queue Management Algorithm, D. Malichenko, SUAI, Russia; H. Paloheimo, Nokia, Finland
13:45	45m	Nonlocal imaging: from sensor noise modeling to image restoration, K. Egiazarian, TUT, Finland	Operational time predictor implementation on Symbian platform, N. Teslya, D. Savelyev, M. Krinkin, SPbETU, Russia
			Power Aware Metrics for HWMP in 802.11s, D. Yuranov, A. Rudakova, SPbETU, Russia
			Resource Management Model of Data Storage Systems Oriented on Cloud Computing, E. Kaina, Y. Korolev, SPbETU, Russia
14:30	1h	Lunch break (take it on your own)	
Session: Network technologies II		Session: MeeGo (MAEMO) solutions I	
Room: 53-03		Room: 53-07	
Chairman: Gerard Bosch		Chairman: Oleg Medvedev	
15:30	45m	LTE for Broadband Networking, Y. Koucheryavy, TUT, Finland	MeeGo - operating everywhere, J. Foster, MeeGo project, Sweden
16:15	15m	NAT and connections management facilities, M. Shvecov, SPbETU, Russia	
16:30	15m	Modeling and Analysis of the Trickle protocol, M. Nikitinskiy, D. Chalyy, YSU, Russia	Packages on Maemo/MeeGo, A. Yanes, Tieto, Finland
16:45	15m	Analysis of WiMAX Cell with two AMC Modes & Elastic Data Traffic, T. Efimushkina, PFUR Russia D. Moltchanov, Y. Koucheryavy, TUT, Finland	PMIPv6 based 3GPP/WLAN inter-working MAEMO support challenges, P. Zubarev, K. Krinkin, N. Amelichev, D. Krestelev, SPbETU, Russia
17:00	15m	Coffee-break, room 53-01	
17:15	45m	Special talk: An importance of m-Health (Mobile Health) for the reforms in modern medicine, O. Medvedev, MSU, Russia (Room: 53-03)	
18:00		Closing of Day 2	

April 30 (Friday)

Saint-Petersburg State University of Aerospace Instrumentation, Bolshaya Morskaya, 67

09:30	30m	Registration and Day Agenda	
Session: Modern Services & Smart Spaces Solutions			
Room: 53-03		Chairman: Dmitry Kasatkin	
10:00	1h	Applying Reasoning and Policy in Information Space Based Computing Environments, I. Oliver, Nokia, Finland	
11:00	15m	Mobile services for access to remote devices on the basis of Ubiq Mobile platform, Y. Gladisheva, V. Onossovski, K. Tumanova, SPbSU, Russia	
11:15	15m	Mobile services for control and observation with intelligent interface, V. Budkov, M. Prischepa, SPIIRAS, Russia	
11:30	15m	Data Access Management Pattern, S. Skudarnov, SPbSU, Russia	
11:45	15m	Natural Language Processing and Multimedia Content Ranking, A. Gallyamov, K. Stepanenko, SPbSU, Russia	
12:00	15m	M-learning: Ontology platform, B. Vasilev, NNSU, Russia	
12:15	15m	Coffee-break, room 53-01	
Session: Embedded Networks & Solutions		Session: MeeGo (MAEMO) solutions II	
Room: 53-03		Room: 53-07	
Chairman: Yuri Sheynin		Chairman: Eugeni Linsky	
12:30	30m	Phase synchronization and control of clock generators, N. Kuznetsov, G. Leonov, S. Seledzhi, SPbSU, Russia	MeeGo security framework, D. Kasatkin, Nokia, Finland
13:00	15m	Real-Time Services in Networked Embedded Systems, L. Koblyakova, Y. Sheynin, D. Raszhivin, SUAI, Russia	
13:15	15m	Parallel programming for Many-Core SoC, A. Syschikov, SUAI, Russia	
13:30	1h	Lunch break (take it on your own)	
Session: Embedded Networks & Solutions (cont.)		Session: MeeGo (MAEMO) solutions II (cont.)	
Room: 53-03		Room: 53-07	
Chairman: Yuri Sheynin		Chairman: Eugeni Linsky	
14:30	30m	SystemC and SDL Co-Modelling Implementation, A. Stepanov, I. Lavrovskaya, V. Olenev, A. Rabin, SUAI, Russia; S. Balandin, M. Gillet, Nokia, Finland	Geo2Tag implementation for Maemo, I. Bezyazychnyy, K. Krinkin, M. Zaslavskiy, SPbETU, Russia; S. Balandin, FRUCT, Finland; Y. Koucheryavy, TUT, Finland
15:00	15m	Modelling of the SpaceWire communication protocol, V. Olenev, I. Korobkov, N. Martynov, A. Shadursky SUAI, Russia	Location-based Services in Public Buildings: LIST for N900, D. Bepalov, Nizhny Novgorod State University, Russia
15:15	15m	Plug'n'Play technology in SpaceWire network, L. Koblyakova, A. Setkov, K. Khramenkova, SUAI, Russia	OpenCV Performance on MAEMO, I. Mironov, NNSU, Russia
15:30	15m	Stability of the SpaceWire network's time-code mechanism to various failure types, L. Koblyakova, S. Andreeva, SUAI, Russia	Scribo: A Livejournal Client for the Maemo 5 Platform, D. Zaiceva, A. Mezhenin, A. Sannikov, K. Germanov, D. Korzun, PetrSU, Russia
15:45	15m	The software simulator of a parallel computing system with message passing, E. Gavrin, SUAI, Russia	Kimi: A Personal Organizer in the Internet Event Space, S. Epifanov, E. Tsvetkov, K. Ivashov, A. Kolosov, V. Dimitrov, PetrSU, Russia
16:00	15m	Self-adapting Software for Meeting the Multicore Programming Challenge, K. Nedovodeev, SUAI, Russia	MobileTrade: A Maemo Client to Trading/Auction Web Services, I. Bergmann, D. Zabiropin, P. Andrianov, D. Korzun, PetrSU, Russia
16:15	45m	Talk: De-correlation Transforms in Image and Video Compression, A. Sergeev, SUAI, Russia (Room: 53-03)	
17:00	15m	Official closing of 4th Nokia week and 7th FRUCT conference	

CALL FOR PARTICIPATION

8th Conference of Open Innovations

Framework Program FRUCT

Lappeenranta, Finland, 9-12 November 2010

Overview

The FRUCT Program is one of the largest regional academia-to-industry and university-to-university cooperation frameworks. The conferences are attended by the representatives of over 15 FRUCT universities from Russia, Finland and Denmark, and industrial experts from Nokia, Nokia Siemens Networks and Symbian Foundation, a number of guests from other companies and universities.

The conference is a forum for the most active students, a chance to meet colleagues from industrial research and learn more about the FRUCT initiative. The conference provides an opportunity for student teams to present progress and results of their ongoing R&D projects and attend lectures given by the top academic and industrial experts. Traditionally the conference program consists of 1.5-2 days of intensive training for one of the hottest technologies and 2-2.5 days of the conference presentations.

We warmly welcome all university research teams to participate in the conference, present your research and join the FRUCT Program. The conference participation is free, but requires preregistration.

Background and motivation

The distinctive feature of modern IT and Telecommunications industries is in dramatic shortening of the period when technology remains commercially viable. On the one hand, this is due to the competition between key market players that are pushing all manufacturers to accelerate innovations; on the other hand, this is due to technological progress speed up caused by the growing expansion of intellectual resource invested into R&D and design activities. This trend is an important call and challenge for the leading educational and research institutions around the globe. In the FRUCT we believe that it is crucial to combine forces of EU and Russia to follow up the competition in adopting university education to the new industrial trends. The first step is to strength a bridge between Russian and Finnish academic worlds, increase visibility of involved research teams and set direct personal contacts between academic and industrial experts. For more information about the FRUCT program please visit www.fruct.org.

Call for papers and presentations

You are welcome to submit your full paper or "presentation only" (based on 150-500 words abstracts) proposals by **September 27, 2010**. The list of the conference focus topics is provided below, but you also welcome to propose new challenging R&D subjects:

- Open source solutions, development and maintenance of mobile OSS MeeGo
- Smart spaces, new use cases for well known devices, integration of peripherals
- Inter-device connectivity, embedded networks, hardware/software co-design
- Software and services for mobile devices, design of future applications and UIs
- Technology proofing, modeling, verification and validation, testing techniques
- Security for mobile devices, management of personal and business privacy
- Design and optimization of emerging wireless network technologies
- Energy management, new sources of energy, green technologies
- Modern network architectures, air interfaces and protocols
- Mobile multimedia and video services and solutions

The paper template and further details available at: <http://www.fruct.org/conference8>.