

Program

9th Conference of Open Innovations Community FRUCT

1st Regional MeeGo Summit Russia-Finland

Petrozavodsk, Russia
25-29 April 2011





NOKIA
Connecting People

MAGISTER
SOLUTIONS



GAUDEAMUS IGITUR,
JUVENES DUM SUMUS!
POST JUCUNDAM JUVENTUTEM,
POST MOLESTAM SENECTUTEM
NOS HABEBIT HUMUS.

UBI SUNT, QUI ANTE NOS
IN MUNDO FUERE?
VADITE AD SUPEROS,
TRANSITE AD INFEROS,
UBI JAM FUERE.

VITA NOSTRA BREVIS EST,
BREVI FINIETUR,
VENIT MORS VELOCITER,
RAPIT NOS ATROCITER,
NEMINI PARCETUR.

VIVAT ACADEMIA,
VIVANT PROFESSORES!
VIVAT MEMBRUM QUODLIBET,
VIVANT MEMBRA QUAE LIBET!
SEMPER SINT IN FLORE!

VIVANT OMNES VIRGINES
FACILES, FORMOSAE!
VIVANT ET MULIERES,
TENERAE, AMABILES,
BONAE, LABORIOSAE!

VIVAT ET RESPUBLICA,
ET QUI ILLAM REGIT!
VIVAT NOSTRA CIVITAS,
MAECENATUM CARITAS,
QUAE NOS HIC PROTEGIT

PEREAT TRISTITIA,
PEREANT DOLORES,
PEREAT DIABOLUS,
QUIVIS ANTIBURSCHIUS,
ATQUE IRRISORES!



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The program of 9th FRUCT conference in Petrozavodsk

April 25-29, 2011 Petrozavodsk, Russia

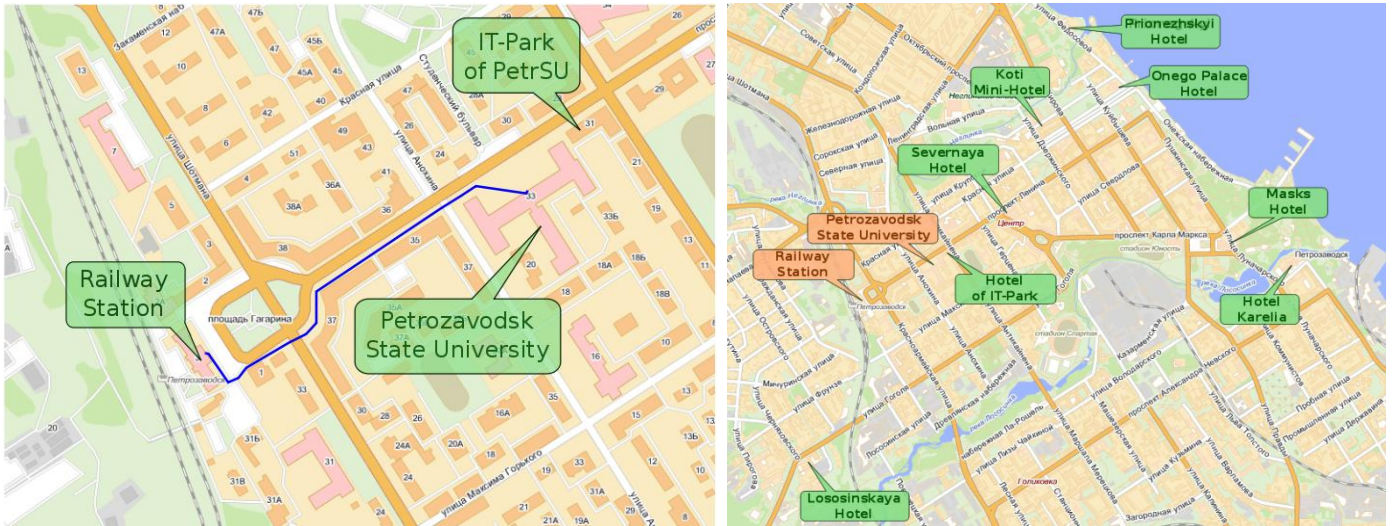
All events are free of charge, but all participants must be registered at www.fruct.org/conference9

DATE	TIME	PROGRAM		
25.04.11	09.30-18.00	Qt training for beginners (in Russian)		
26.04.11	09.30-18.00			
27.04.11	09.00-10.00	Registration to the conference		
	10.00-13.00	Opening of 9 th FRUCT conference and Plenary session (in English)		
	13.00-14.00	Lunch break		
	14.00-16.00	9 th FRUCT conference: Network Technologies I (in English)	Regional MeeGo Summit Russia- Finland (in English)	Smart-M3 platform training (in Russian)
	16.00-16.30	Coffee-break		
	16.30-18.00	Open info session of FRUCT Web Working Group (in English)		
28.04.11	09.30-13.00	9 th FRUCT conference: Mobile Video & 9 th FRUCT conference: Supporting Technologies (in English)	Regional MeeGo Summit Russia- Finland (in English)	AMICT 2011 conference (in English)
	13.00-14.00	Lunch break		
	14.00-16.00	9 th FRUCT conference: Network Technologies II (in English)	9 th FRUCT conference: Mobile Services (in English)	Meeting of FRUCT Smart Spaces WG (in English)
	16.00-16.30	Coffee-break		
	16.30-18.00	Presentation of demos (in English)		
	19.00-21.30	Social Event and Demo Session		
	19.00-21.30			
29.04.11	10.00-13.00	9 th FRUCT conference: Mobile Health Care (in English)	MeeGo training for beginners (in Russian)	
	13.00-14.00	Lunch break		
	14.00-16.00	9 th FRUCT conference: Embedded Networks (in English)	MeeGo training for beginners (continuation)	
	16.00-16.20	Coffee-break		
	16.20-18.40	9 th FRUCT conference: Smart Spaces (in English)	MeeGo training for beginners (continuation)	
	18.40-19.00	Official closing of 9th FRUCT conference		



How to find us

All events of the 9th FRUCT conference, 1st Regional MeeGo Summit Russia-Finland, AMICT 2011 workshop and all the training will be held in the main building of Petrozavodsk State University, address: Lenina av. 33, Petrozavodsk, Russia. This location is in the center of Petrozavodsk downtown, only a few minutes away from the railway station. The map of Petrozavodsk city center with marks for the most important conference locations (railway station, university building, recommended hotels and so on) is presented below:



Also for navigation inside the PetrSU building you can use the following scheme that shows location of the registration desk, main conference rooms, places for coffee break and social events and recommended places for lunch.



The program of 9th FRUCT conference in Petrozavodsk

April 25-29, 2011 Petrozavodsk, Russia

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April 27 (Wednesday)

Petrozavodsk State University, Lenina ave., 33

09:30	30m	Registration	
Session: Official opening of 9 th FRUCT conference			
Room: Main conference room of PetrSU			
10:00	25m	Opening of the 9 th FRUCT conference, latest updates to the program and welcome words	
10:25	45m	Keynote talk: On the Edge of Mobile Evolution, Dmitry Petrov, Magister Solutions Ltd, Finland	
11:10	30m	Keynote talk: Recovery of the Russian IT market. New trends and opportunities, Valentin Makarov, President of RUSSOFT Association, Russia	
11:40	20m	FRUCT Program Description, Status and Future Perspectives, Sergey Balandin, FRUCT, Finland	
12:00	30m	Reserved	
12:30	30m	Reserved	
13:00	1h	Lunch break	
Session: Network Technologies I		Session: Regional MeeGo Summit Finland-Russia	
Room: Chairman: Yury Bogoyavlenskiy		Room: Chairman: Dmitry Petrov	
14:00	30m	Host Identity Protocol for Mobile WLAN Access, Andrei Gurto, University of Oulu, Finland	Automatic testing tools in MeeGo, Timofey Turenko, Nokia, Finland
14:30	30m		Intel's Atom software strategy execution through MeeGo and AppUp, Igor Odintsov, Intel, Russia
15:00	20m	Optimization of Network Overhead for Transport Layer Coding, Dmitry Malichenko, St-Petersburg University of Aerospace Instrumentation, Russia	Differences in automated testing on MeeGo and Android mobile platforms, Oleksandr Kachur and Vladimir Sayenko, Kharkiv National University of Radio Electronics, Ukraine
15:20	20m	A Solver-resistant Challenge Response Spam Protection System, Alexander Pyattaev, Tampere University of Technology, Finland, Vladimir Sadovnikov, Saint-Petersburg University of Telecommunications, Russia	Optimizing the performance of the algorithms block data processing in Linux, Anton Ovseenko and Victor Minchenkov, Saint-Petersburg State University of Aerospace Instrumentation, Alexander Povalyaev, EMC Russia Center of Excellence, Russia
15:40	20m	Design and Development of a Client Relay System Level Simulator, Alexander Pyattaev, Sergey Andreev and Yevgeni Koucheryavy, Tampere University of Technology, Finland	Educational Course and Workshops on Software Development of Mobile Applications for the Intel Atom, Oleg Granichin and Vladimir Kiyayev, St-Petersburg State University, Russia
16:00	30m	Coffee-break	
Session: Open info session of FRUCT Web Working Group			
Room: Chairman: Sergey Balandin			
16:30	1.5h	Overview of FRUCT Web Working Group activities and brainstorming, Sergey Andreev, FRUCT Web WG	
18:30	2h	Closing of Day 1 followed by the meeting of FRUCT Advisory Board	



April 28 (Thursday)

Petrozavodsk State University, Lenina ave., 33

09:30		30m	Registration and Day Agenda	
Session: Mobile Video			Session: Regional MeeGo Summit Finland-Russia	
Room:			Room:	
			Chairman: Andrei Gurtov	
			Chairman: Timofey Turenko	
10:00	20m	An overview of H.264/AVC video compression standard, Ann Ukhanova, DTU Fotonik, Denmark	MySocials Libraries: Unified Access to Services of Social Networks, Sergey Zaharov, Pavel Shiryaev, Anna Samoryadova and Kirill Kulakov, Petrozavodsk State University, Russia	
10:20	20m		MySocials Gallery: Application for Browsing Galleries of Images from Social Networks, Anna Samoryadova, Andrew Bogachev, Pavel Shiryaev and Kirill Kulakov, Petrozavodsk State University, Russia	
10:40	20m		Social network plugin for telepathy framework, Kirill Ivashov, Petrozavodsk State University, Russia	
11:00	20m	Low-complexity video compression based on 3-D DWT and fast entropy coding, Evgeny Belyaev, Tampere University of Technology, Finland	Text Recognition using OpenCV libraries for devices based on MeeGo, Iliya Mironov and Diana Ilina, Nizhny Novgorod State University, Russia	
11:20	20m	Usableness improving for the nonlocal means image de-noising algorithm to use them on low-powered embedded computing units, Boris Basilev, Nizhny Novgorod State University, Russia	HiveMind Collaborative Mind Map Editor: Architecture and Implementation of Network Subsystem, Ilya Paramonov, Andrew Vasilev, Oleg Kandaurov and Alexander Kulikov, Yaroslavl State University, Russia	
Session: Mobile Platforms Supporting Research			Session: Mobile Services	
Room:			Room:	
			Chairman: Andrei Gurtov	
			Chairman: Petr Bazanov	
11:40	20m	Model checking approach to the correctness proof of complex systems, Marina Alekseeva and Ekaterina Dashkova, Yaroslavl State University, Russia	SketchIt: Simple Vector Scheme Editor for Mobile Devices with Touch Screen, Vitaly Petrov and Evgeny Linsky, State University of Aerospace Instrumentation, Russia	
12:00	20m	Investigation of flow graphs optimization methods used in optimizing compilers, Eugene Gavrin, St-Petersburg University of Aerospace Instrumentation, Russia	Protection of premium multimedia content in MeeGo, Sergey Ivanov, Nizhny Novgorod State University, Russia	
12:20	20m	Graphical-based User Authentication Schemes for Mobile Devices Evaluation, Vitaly Petrov and Alexandra Afanasyeva, St-Petersburg University of Aerospace Instrumentation, Russia	Concept of Octotask — Multi-source Task Collector and Manager, Ilya Paramonov and Andrew Vasilev, Demidov Yaroslavl State University, Russia	
12:40	20m	The patterns of formalization of nature-language messages in IT security monitoring systems in open computer networks, Victoria Korzhuk and Ilya Lebedev, St. Petersburg University of Information Technologies, Mechanics and Optics, Russia	Video capturing service with social networks functionality for MeeGo, Sergey Ivanov and Michail Smirnov, Nizhny Novgorod State University, Russia	
13:00	1h	Lunch break		
Session: Network technologies II			Session: Mobile Services	
Room:			Room:	
			Chairman: Ilya Paramonov	
			Chairman: Petr Bazanov	
14:00	25m	Enterprise Traffic Analysis, Andrei Gurtov, University of Oulu, Finland	Library OSMaps, Denis Bespalov, Nizhny Novgorod State University, Russia	
14:25	15m	SVG Player Project, Svetlana Marchenko, Saint Petersburg Academic University, Russia	Location based platform for public transport monitoring system, Mark Zaslavskiy, LETI, Russia	



14:40	20m	Energy Efficient Operation of a Wireless Communication System, Alexey Anisimov, Pavel Gonchukov and Andrey Turlikov, St-Petersburg University of Aerospace Instrumentation, Russia, Sergey Andreev, Tampere University of Technology, Finland	Virtual Telescope project development, Alexandra Reyss, Petrozavodsk State University, Russia
15:00	20m	Improving IPTV on-demand Transmission Scheme for Broadband Network, Boris Goldshtein and Gerges Mansour, St-Petersburg State University of Telecommunications, Russia	LIST service: architecture redesign, Denis Bepalov and Gregory Serebryakov, Lobachevsky State University of Nizhny Novgorod, Russia
15:20	20m	Novel Techniques for Measuring Anxieties on the Internet, Santosh Kalwar, Kari Heikkinen and Jari Porras, Lappeenranta University of Technology, Finland	MediaInsight - real-time automatic speech recognition technology, Konstantin Firun, St.-Petersburg State University ITMO, Russia
15:40	20m	Monitoring and Prediction of Transport Protocols Throughput for Complex Networks, Alexander Sannikov, Olga Bogoiavlenskaia and Iurii Bogoiavlenskii, Petrozavodsk State University, Russia	Poster presentations management system, Irina Pochinok, Yuri Katkov, Dmitry Muromtsev and Pavel Smirnov, Saint-Petersburg National Research University of Information Technologies, Mechanics and Optics, Russia
16:00	30m	Coffee-break	
Session: Presentation of demos			
Room:			Chairman: Alexander Borodin
16:30	5m	SmartScribo + SmartConference, by PetrSU, SPIIRAS, SPbETU	
16:35	5m	Project MySocials (including Gallery for ВКонтакте, Facebook, Flickr and other social networks, access to ВКонтакте via Empathy using Connection Manager Telepathy on libmsavk, prototype of MySocials UI for MeeGo done on Qt, QMF-Socials plugins), by Petrozavodsk State University, Russia	
16:40	5m	Games Liquid and Shariks, by Petrozavodsk State University, Russia	
16:45	5m	Monitoring of TCP connection tools at the kernel level, Alexander Sannikov, Petrozavodsk State University, Russia	
16:50	5m	HiveMind project (includes new features and improved teamwork tools, available for MeeGo and Windows), Oleg Kandaurov, Demidov Yaroslavl State University, Russia	
16:55	5m	Demo of Octotask project, Denis Laure, Demidov Yaroslavl State University, Russia	
17:00	5m	Connected Health - demo part of mobile health monitoring system, Maxim Yatskovsky and Oleg Medvedev, Moscow State University, Russia	
17:05	5m	Smart Board demo for MeeGo with Smart-M3 platform, Kirill Yudenok, St. Petersburg Electrotechnical University, Russia	
17:10	5m	3D motion CAPTCHA demo, Alexander Pyattaev, Tampere University of Technology and Vladimir Sadovnikov, Saint-Petersburg University of Telecommunications, Russia	
17:15	5m	Video capturing service with social networks functionality for MeeGo, Ivanov Sergey, Nizhny Novgorod State University, Russia	
17:20	5m	Monitoring movements of the human eye, Iliana Diana, Nizhny Novgorod State University, Russia	
17:25	5m	Hands free email for MeeGo, Eugene Basargin, Higher School of Economics, Russia	
17:30	5m	LIST service: the new abilities, Serebryakov Gregory, Nizhny Novgorod State University, Russia	
17:35	5m	OSMaps library, Bepalov Denis, Nizhny Novgorod State University, Russia	
17:40	5m	MAR-drone quadcopter demo on MeeGo, Kate Alhola, Nokia, Finland	
17:45	5m	SketchIt, Vitaly Petrov and Evgeny Linsky, State University of Aerospace Instrumentation, Russia	
17:50	5m	PersonalRobotics: through Game to Science, Oleg Granichin and Vladimir Kiyaev, Saint-Petersburg State University, Russia	
19:00	2.5h	Social Event and Demo Session	



April 29 (Friday)

Petrozavodsk State University, Lenina ave., 33

09:30	30m	Registration and Day Agenda
Session: Mobile Healthcare		
Room:		Chairman: Yury Sheynin
10:00	1h	The Current State of m-Health projects in Russia and in the World-Review Lecture, Oleg Medvedev and Maxim Yatskovsky, Moscow State University, Russia
11:00	45m	Future Internet as enabler for better health, Heikki Huomo, University of Oulu, Finland
11:45	20m	Matching quality investigation of Motion Estimation Algorithms, Alexander Setkov, St-Petersburg University of Aerospace Instrumentation, Russia
12:05	20m	Algorithms for determining the centre of the pupil for the detection of eye movements for work with mobile devices, Diana Ilina, Iliya Lysenkov and Michail Smirnov, Nizhny Novgorod State University, Russia
12:25	35m	Adaptive gaze tracking based on fusion of starburst algorithm with object detection & natural feature tracking, Petr Bazanov, Nokia, Finland
13:00	1h	Lunch break
Session: Embedded networks		
Room:		Chairman: Dmitry Korzun
14:00	40m	Researches in embedded solutions and networks area, Yuriy Sheynin and Valentin Olenev, St-Petersburg University of Aerospace Instrumentation, Russia
14:40	20m	Administration and configuration of communication SpaceWire network, Ksenia Khramenkova and Ludmila Koblyakova, St-Petersburg University of Aerospace Instrumentation, Russia
15:00	20m	Embedded systems' transport protocol choosing for modelling over the SpaceWire model, Ilya Korobkov, St-Petersburg University of Aerospace Instrumentation, Russia
15:20	20m	RMAP protocol SystemC model: detailed description and modelling features, Nikita Martynov, St-Petersburg University of Aerospace Instrumentation, Russia
15:40	20m	The testing of SpaceWire network switching devices, Stanislava Andreeva, Ludmila Koblyakova and Victor Stepanov, St-Petersburg University of Aerospace Instrumentation, Russia
16:00	20m	Coffee-break
Session: Smart Spaces		
Room:		Chairman: Sergey Balandin
16:20	20m	Smart Space Working Group Activity Overview, Alexey Kashevnik, SPIIRAS, Russia
16:40	20m	KP-based integration of Smart Conference System and Blogging Service, Yury Korolev, Saint-Petersburg Electrotechnical University, Russia
17:00	20m	A Blogging Application for Smart Spaces, Diana Zaiceva, Ivan Galov and Dmitry Korzun, Petrozavodsk State University, Russia
17:20	20m	An audiovisual system of monitoring of participants in the smart meeting room, Alexander Ronzhin, SPIIRAS, Russia
17:40	20m	Blogging in the Smart Conference System, Dmitry Korzun and Ivan Galov, Petrozavodsk State University, Alexey Kashevnik and Nikolay Shilov, SPIIRAS, Kirill Krinkin and Yury Korolev, Saint-Petersburg Electrotechnical University, Russia
18:00	20m	Multilingual Ontology Library Generator for Smart-M3 Application Development, Alexandr Lomov, Pavel Vanag and Dmitry Korzun, Petrozavodsk State University, Russia
18:20	20m	Extensions for Smart Conference System, Alexander Malakhov and Evgeny Linsky, St-Petersburg University of Aerospace Instrumentation, Russia
18:40	20m	Official closing of 9th FRUCT conference



Qt training for beginners (in Russian)

Training course dates: 25-26 April 2011

Introduction

The purpose of this training is to form basic Qt development competences.

Short agenda

1. Introduction to Qt programming. Main concepts: MetaObject Compiler, Qt contribution to C++, QMake.
2. Using QtCreator to develop, build and debug Qt applications.
3. Widgets hierarchy
4. Datatypes
5. Filesystem Abstraction
6. 2D Graphics, Graphics View Canvas
7. Model View Controller and Interview Classes
8. Qt Modules Overview
9. Short Introduction to QtScript
10. QtQuick in simple example

Prerequisites

Training participants are supposed to have basic C++ programming skills and GNU/Linux development experience.



AMICT 2011 workshop (in English)

Workshop date: 28 April 2011 (morning)

The Annual International Workshop on Advances in Methods of Information and Communication Technology (AMICT 2011) will be held in Petrozavodsk (Russia) on April 27-29, 2011. In this year the Workshop is co-located with the 9th Conference of Open Innovations Framework Program FRUCT. The workshop organizers are Petrozavodsk State University, University of Helsinki and FRUCT.

AMICT 2011 covers various ICT areas that include, but are not restricted to, the following:

- Information technology,
- Network communication,
- Information systems,
- Theoretical and applied computer science,
- Algorithms and Modeling.

Talks may include presentations of particular systems, experiments, theoretical research, as well as more general, philosophical/educational/methodological presentations. We are especially interested in discussions related to ICT education and research, including issues of “Cross-border education in ICT” and “Cooperation between universities and industry”.

Programs of the previous seminars can be found at <http://www.cs.karelia.ru/fdpw/index.php.en>.



Smart-M3 platform training (in Russian)

Training course dates: 27 April 2011 (afternoon)

Overview

The training session gives an overview of the Smart Space concept using the Smart-M3 platform as an open-source implementation (<http://sourceforge.net/projects/smart-m3/>) of this concept. We study different available APIs for the Smart-M3 platform and simple programming models for Smart-M3 applications.

Smart-M3 is an interoperability platform that provides an infrastructure to share information expressed in 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 Smart Space Access Protocol (SSAP) is the protocol that a KP uses to access its SIB. The information is stored in SIB as an RDF triple store according to standardized or otherwise agreed ontology. Information sharing helps the participating KPs to gather relevant context information, leading 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> and <http://fruct.org/m3>.

The developers of the application logic of KPs use a knowledge processor interface (KPI) to access information in smart space. There are two classes of KPI, depending on the code abstraction level.

1. Low-level KP programming in terms of RDF triples.
2. High-level KP programming in terms OWL ontology.

Low-level access requires the user code to operate with RDF triples, directly following the SSAP operations. In contrast, high-level KP development is based on an ontology library, and the code deals with ontology classes, properties, and instances.

The focus is on step-by-step developing a simple “Hello World” application consisting of several KPs. For KP programming we show two KPIs: KPI_low (low-level, ANSI C, low-performance devices) and SmartSlog ontology library (high-level, ANSI C and C#, low-performance devices). For simple ontology manipulation we use Protege.

The training agenda

1. Overview of the Smart Space concept, Smart-M3 platform, Smart-M3 programming models, and available KPIs.
2. Smart-M3 KPI: different code abstraction levels. Case studies: KPI_low and SmartSlog.
3. Hello world application using KPI_low
4. Hello world application using SmartSlog. Web Ontology Language and the Protégé tool.
5. Cross-platform applications: demos for Linux, Maemo5, and MeeGo.

Prerequisites

The number of PC-based work places is limited. We recommend you to take your own laptop. Please make sure that the following software is installed in advance.

- Smart-M3 platform (<http://sourceforge.net/projects/smart-m3/>)
- KPI_low (<http://sourceforge.net/projects/kpilow/>)
- SmartSlog (<http://sourceforge.net/projects/smartslog/>)
- Protege (<http://protege.stanford.edu/>)

Another option is own laptop with installed Oracle VirtualBox (<http://www.virtualbox.org/>). In this case you will be supported with the image with installed Linux, Smart-M3, and other tools.

Recommended skills for the audience:

- Basic skills of C
- Basic skills in using GNU/Linux platform as development environment (make, gcc)



MeeGo training for beginners (in Russian)

Training course dates: 29 April 2011

Introduction

The purpose of this training is to form basic Qt development competences.

Short agenda

1. MeeGo platform overview from developer point of view
2. MeeGo SDK installation options. Using MADDE
3. Hello world application using QtCreator
4. Remote running application in an emulator or on a device with QtCreator
5. Building RPM packages with MeeGo SDK and MeeGo public OBS

Prerequisites

Approximately 15 preconfigured computers will be available in training room. If you would like to use your own laptop then you will be provided with LiveDVD contained all needed tools. But you must check your hardware requirements (http://wiki.meego.com/SDK/Docs/1.1/MeeGo_SDK_Graphics_Acceleration) beforehand. Also, you can install MeeGo SDK (http://wiki.meego.com/SDK/Docs/1.1/Getting_started_with_the_MeeGo_SDK_for_Linux) before the training.

Training participants are supposed to have basic C programming skills and GNU/Linux development experience.



FOR NOTES



FOR NOTES



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FOR NOTES



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The 9th Conference of Open Innovations Community FRUCT and the 1st Regional MeeGo Summit Russia-Finland

Proceedings

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CALL FOR PARTICIPATION

10th Conference of Open Innovations Community FRUCT

Tampere, Finland, 9-12 November 2010

Overview

FRUCT is the largest regional cooperation framework between academia and industry in form of open innovations. FRUCT conferences are attended by the representatives of 20 FRUCT member universities from Russia, Finland, Denmark, Italy, Ukraine, industrial experts from Nokia, Nokia Siemens Networks, Intel and Symbian Foundation, and a number of guests from other companies and universities.

The conference is an R&D forum for the most active students, academic experts, industrial researchers and influential representatives of business and government. The conference invites the world-class academic and industrial researcher to give lectures on the most relevant topics, provides an opportunity for student teams to present progress and results of their R&D projects, meet new interesting people and form new R&D teams. The conference program consists of 3 to 5 intensive (½ or full day) trainings on the most promising technologies, plus 3 days of the main conference.

We warmly welcome all university research teams to participate in the conference, present your research and join the FRUCT Program. Thanks to our sponsors, all participants can enjoy free of charge registration to the event, but the online registration must be done by everyone before the conference.

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

We welcome you to submit full papers, presentation only publications and poster/demo proposals (have to be submitted as an abstract of min 150 words and max 2 pages) by **September 19, 2011**. The list of the conference focus topics is provided below (we welcome you to propose new challenging R&D topics):

- 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
- Mobile multimedia technologies and video services and solutions
- Energy management, new sources of energy, green technologies
- Modern network architectures, air interfaces and protocols
- Mobile-Health, Fitness and Medical mobile services

All conference papers and abstracts will be published in FRUCT proceeding, and selected papers will be sent to European academic journal. The paper templates, conference news and updates, information on accommodation and all other details can be found from web page: <http://www.fruct.org/conference10>.