Maemo hands-on training & the first Maemo seminar in Russia
5th FRUCT program seminar, April 27-28, St. Petersburg, Russia

April 27 (Monday)
Saint-Petersburg State University of Aerospace Instrumentation, Bolshaya Morskaya, 67

08:30	30m	**Registration (participation in Maemo hands-on training requires email confirmation of the registration)**
09:00	1h	**Development environment overview and setup**
10:00	15m	**Coffee-break, room 53-01**
10:15	75m	**Preparing software package from ready sources and installing to the device**
11:30	1h	**Creating GTK+ GUI applications for the Hildon Desktop**
12:30	1h	**Lunch**
13:30	2.5h	**Creating menus and toolbars in Hildon applications. Using Hildon dialogs and other widgets**
16:00	15m	**Coffee-break, room 53-01**
16:15	45m	**Using libglade to build GUI from XML at the runtime**
17:00	1h	**Creating Hildon Desktop Plug-ins**

April 28 (Tuesday)

09:00	1h	**Dealing with Maemo Input Methods**
10:00	15m	**Coffee-break, room 53-01**
10:15	75m	**Using Maemo Platform Components**
11:30	1h	**Quality issues and programming style recommendations**
12:30	1h	**Lunch**
13:30	30m	**Q&A and feedback session**

The First MAEMO seminar in Russia, Session: Maemo and Open Source Software (open for all FRUCT participants)		
Room: SUAI, Bolshaya Morskaya 67, room 53-03		Chairman: Timofey Turenko
14:00	15m	**Official opening. Maemo and OSS in the scope of FRUCT: universities cooperation, labs, projects**, Timofey Turenko, Nokia Devices, Finland.
14:15	30m	**Maemo contributions to open source community projects**, Eero Tamminen, Nokia Devices, Finland
14:45	30m	**Introduction to Maemo 5 SDK**, Petr Baranov, Nokia Devices, Finland
15:15	15m	**Collaboration of Linux Ink company and State University of Telecommunication**, Leonid Soms, Linux Ink, Russia
15:30	15m	**Student Software Engineering Projects for the Maemo Platform at Petrozavodsk State University: Architecture and Support of Distributed Developer Team Environment**, Vadim Ponomarev, Alexandr Kolosov, Mikhail Kryshen, Petrozavodsk State University, Russia
15:45	15m	**Student Software Engineering Projects for the Maemo Platform at Petrozavodsk State University: State-of-the-Art and Perspective**, Yury Bogoyavlenskii, Dmitry Korzun, Petrozavodsk University
16:00	15m	**Coffee-break, room 53-04**
16:15	15m	**Animation JSON scripts: OMWeather example**, Vlad Vasiliev, Belorussia
16:30	15m	**Open Source Linux Lab in Saint-Petersburg Electrotechnical University**, Yury Katkov, Saint-Petersburg Electrotechnical University "LETI", Russia
16:45	15m	**Maemo endurance testing results**, Vitaly Petrov, SUAI, Russia
17:00	15m	**Ad-hoc network for Maemo**, Alexander Malakhov, SUAI, Russia
17:15	15m	**Porting the WidSets Technology to the Maemo Platform**, Mikhail Kryshen, Alexandr Sannikov, Stanislav Epifanov, Petrozavodsk State University, Russia
17:30	15m	**Tablet musical instrument: Maemo Theremin**, Ivan Gagis, Russia
17:45	15m	**Practical Recommendations for Maemo Application's User Interface Developing** , Andrew Zhilin, Russia
18:00		**Free-format discussion and closing of the MAEMO session**

Finnish-Russian University Cooperation in Telecommunications
5th FRUCT program seminar, April 29-30, St. Petersburg, Russia

April 29 (Wednesday)
Saint-Petersburg State University of Aerospace Instrumentation, Bolshaya Morskaya, 67

08:30	30m	**Registration**

Session: Welcome and introduction to FRUCT, new cooperation opportunities
Room: SUAI, Bolshaya Morskaya 67, Main ballroom   Chairman: Sergey Balandin

09:00	10m	**Official opening of the seminar.** Welcome words from Nokia, Saint-Petersburg State University of Aerospace Instrumentation, government of St. Petersburg, Consulate of Finland in St. Petersburg
09:10	20m	**FRUCT program description, status and future perspectives,** Alexey Dudkov, Turku University and Sergey Balandin, Nokia Research Center, Finland
09:30	15m	**Green Research and ICT,** Harri Paloheimo, Nokia Research Center, Finland
09:45	15m	**Challenges in Energy and Power Management**, Heikki Waris, Nokia Research Center, Finland
10:00	15m	**CBU and CBU-ICT program, Pekka Jäppinen**, Lappeenranta University of Technology, Finland
10:15	15m	**Coffee-break, Main ballroom (demo in coffee area)**

Session: Network Technologies
Room: SUAI, Bolshaya Morskaya 67, Main ballroom   Chairman: Yevgeni Koucheryavy

10:30	45m	**Wireless system research in Nokia Siemens Networks**, Alexander Sayenko, NSN, Finland
11:15	45m	**Providing end-to-end network capacity in future networks - home/access/metro/core**, Lars Dittmann, Technical University of Denmark, Denmark
12:00	30m	**Modern network solutions**, Christoph Juchems, Institute for applied radio system technology, Germany
12:30	15m	**Infrastructure for Host Identity Protocol (HIP)**, Oleg Ponomarev, Helsinki Institute for Information Technology HIIT, Finland
12:45	1h	**Lunch break (take it on your own)**

Session: Mobile Services and Symbian
Room: SUAI, Bolshaya Morskaya 67, Main ballroom   Chairman: Alexey Dudkov

13:45	15m	**Mobile software and services laboratory status report**, Alexey Koren, SUAI, Russia
14:00	15m	**Status report on Geo2taG project**, Yevgeni Koucheryavy, Tampere University of Technology, Finland
14:15	15m	**Virtual telescope on mobile device**, Alexandra Reyss, Petrozavodsk State University, Russia
14:30	15m	**Behavioral targeting in location-based services**, Alexey Koren, SUAI, Russia
14:45	15m	**Aggregation protocols: evolution, analysis, trends**, Peter Nuzgnov, UNN, Russia
15:00	15m	**A Maemo Mobile Trade Client for Business Systems**, Dmitry Korzun, Igor Semenov, Petrozavodsk State University, Russia
15:15	15m	**Epidemia project status report**, Alexey Koren, SUAI, Russia
15:30	15m	**Coffee-break, Main ballroom (demo in coffee area)**

Session: Smart Spaces
Room: SUAI, Bolshaya Morskaya 67, Main ballroom   Chairman: Heikki Waris

15:45	45m	**Clouds, Spaces and Information Sharing - A Future for the Semantic Web,** Ian Oliver, Nokia Research Center, Finland
16:30	30m	**Collaboration between SPIIRAS and Smart Space Lab (NRC)**, Alexander Smirnov, SPIIRAS, Russia
17:00	15m	**Semantic Web in Russia,** Vitaly Vlasov, SPb GU IFMO, Russia
17:15	15m	**A Maemo-based Personal Organizer in the Internet Event Space**, Alexandr Kolosov, Alexandra Reyss, Petrozavodsk State University, Russia
17:30	15m	**A Maemo Client for Social Network Services with Cross-Profile Features**, Alexandr Borodin, Andrei Bogachev, Sergey Zakharov, Petrozavodsk State University, Russia
17:45	15m	**A Cross-Blog Client for the Maemo Platform**, Mikhail Kryshenn, Diana Zaiceva, Petrozavodsk State University, Russia
18:00	3h	**Social event**

April 30 (Thursday)
Saint-Petersburg State University of Aerospace Instrumentation, Bolshaya Morskaya, 67

08:45	15m	**Day Agenda**

Session: Embedded Networks
Room: SUAI, Bolshaya Morskaya 67, room 53-03   Chairman: Yuriy Sheynin

09:00	1h	**USB On-The-Go and Embedded Host Supplement V2.0**, Richard Petrie, Nokia Devices, UK
10:00	1h	**Next Generation Embedded Systems. Challenges and Trends**, Yuriy Sheynin, SUAI, Russia

11:00	15m	**Coffee-break, room 53-01**

Session: New ideas for user interaction with mobile device
Room: SUAI, Bolshaya Morskaya 67, room 53-03   Chairman: Ian Oliver

11:15	45m	**Stereovision for mobile devices**, Vladimir Ufnarovsky and Andrey Terekhov, SPb State University, Russia
12:00	15m	**Expert control system of convenience of UI**, Diana Ilina and Mikhail Smirnov, Ilya Lysenkov, UNN, Russia

12:15	1h	**Lunch break (take it on your own)**

Session: Video for mobile devices
Room: 53-03   Chairman: Alexey Dudkov

Session: Introduction to SDL & tools
Room: 53-07   Chairman: Timofey Turenko

Time	Dur	Video for mobile devices	Introduction to SDL & tools
13:15	45m	**Review of some modern video processing technologies**, Marat Gilmutdinov, SUAI, Russia	**Introduction to Specification and Description Language (SDL)**, Alexey Rabin, SUAI, Russia
14:00	15m	**Power saving control for the mobile DVB-H receivers based on H.264/SVC standard**, Ann Ukhanova, Eugeny Belyaev, SUAI, Russia	**Validation of SDL models and Telelogic validation tool**, Irina Lavrovskaya, Alexey Rabin, St. Petersburg State University of Aerospace Instrumentation, Russia
14:15	15m	**Temporal Scalability in H.264/SVC standard**, Eugeny Belyaev, Vitaly Grinko, SUAI, Russia	
14:30	15m	**Rate-control based on MINMAX quality criteria for real-time transmission of JPEG-LS video stream**, Anton Dogadaev, Eugeny Beliaev, SUAI, Russia	

14:45	15m	**Coffee-break , room 53-01**

Session: Network Technologies 2
Room: 53-03   Chairman: Alexander Sayenko

Session: Embedded Networks 2
Room: 53-07   Chairman: Alexey Rabin

Time	Dur	Network Technologies 2	Embedded Networks 2
15:00	30m	**Orthogonal Well-Localized Bases Generation and Optimization for Digital Communication Systems Based on OFDM/OQAM**, Dmitry Petrov, Moscow Technical University of Communications and Informatics, Russia	**High-performance embedded data processing on Heterogeneous multicore processors**, Konstantin Nedovodeev, SUAI, Russia
15:30	15m	**Mesh network implementation between Nokia Internet Tablet and OLPC/XO devices (live demo)**, Arina Rudakova, SPb Electrotechnical University, Russia	
15:45	15m	**Open IMS Core and its practical application in research areas**, I. Kuzmin, St. Petersburg State University of Telecommunications, Russia	**Usage of the mathematical programming for solving the allocation problem**, Eugeny Gavrin, SUAI, Russia
16:00	15m	**Resource allocation in packet-switched transport networks**, A. Galkin, University of Telecommunications	**Tools for parallel programs efficiency measurement**, D. Rutkov, SUAI, Russia
16:15	15m	**Signaling Traffic Calculation in Large-Scale Intelligent Networks**, I. Buzyukova, St. Petersburg State University of Telecommunications, Russia	**Time access service for OS Linux in embedded networks with SpaceWire hardware support**, D. Raszhivin, SUAI, Russia
16:30	15m	**An approach to NGN service Fulfillment flow time minimizing in OSS environment**, K. Sizyukhin, St. Petersburg University of Telecommunications	**Comparative Analysis of SDL and SystemC Languages for Real-Time Systems Modeling**, A. Stepanov, V. Olenev, SUAI, Russia
16:45	15m	**Application of the step functions for the queuing system analysis**, A. Sokolov, St. Petersburg State University of Telecommunications, Russia	**Robustness of Distributed Interrupts to Transient and Permanent Failures**, L. Koblyakova, SUAI, Russia

17:00		**Official closing of the seminar (room 53-03)**, Sergey Balandin, Nokia Research Center, Finland