Finnish-Russian University Cooperation Program in Telecommunications (FRUCT) seminar Saint-Petersburg, Russia

21 May Room: 53-03 Chairman: Alexey Dudkov

09:30	30m	Registration		
10:00	15m	Official opening of the Seminar,		
		St. Petersburg Government, SUAI, Consulate of Finland		
10:15	15m	FRUCT program description and progress, Sergey Balandin, Nokia		
10:30	1,5h	Symbian OS – Overview, possibilities and the community, Andreas Jakl, Symbian Academy		
12:00	1h	Time for Lunch		
13:00	1h	Net.beans environment, Vadim V. Monakhov, Saint-Petersburg State University		
14:00	1h	Building location and context aware solutions on Nokia platforms, Petro Soininen, Forum Nokia		
15:00	15m	Coffee-break		

Coding section

18:

Coding section		Symbian training						
		Room: 53-03 Chairman: Andrey Ovchinnikov			Room: 53-01 Trainer: Petro Soininen			
15:15	1h	A simple algorithm for decoding Reed-Solomon codes, Sergey Fedorenko, SUAI	7	15:15	Symbian hands-on session & competition, Petro Soininen			
16:15	15m	A method for fast estimation of convolutional code spectrum and its application to designing turbo codes for wireless standards, Ilya Katsov, Olga Kapralova, Grigory Evseev, SUAI			(Forum Nokia), Andreas Jakl (Symbian Academy)			
16:30	15m	Near-optimal symbol mapping for MIMO systems with HARQ protocols, Vladislav Chernyshev, SUAI						
16:45	15m	MIMO Research in the University of Turku, Jari Tissari, University of Turku	11					
17:00	15m	Efficiency of block error correction scheme for chirp spread spectrum wireless link, Anastasia Lavrenko, LETI	1 1					
17:15	15m	Sparse Graph AL-FEC Solutions for IP Datacasting in DVB-H, Kristian Nybom, Åbo Akademi University						
18:00	3h	Social Event: Boat trip						

Chairman: Andrey Ovchinnikov

09:45	15m	Day Agenda, Andrey Ovchinnikov, SUAI			
10:00	15m	WidSets in Russia, Aleksey Koren, SUAI WidSets Lab			
10:15	30m	Cross-layer modeling of TCP performance over wireless channels with hybrid ARQ/FEC, Roman Dunaytsev ,Tampere University of Technology			
10:45	15m	Insertion of Courses on Embedded Systems in the Petrozavodsk State University Study Process, Alexandr Borodin, Petrozavodsk State University			
11:00	15m	Semantic search in p2p networks (status report), Alexandra Afanaseva, Eugine Linsky, SUAI			
11:15	30m	Title OSS and Maemo: introduction, university cooperation, legal issues, Timofey Turenko, Nokia			
11:45	15m	Open Source Linux Laboratory at LETI, Kirill Krinkin, LETI			
12:00	1h	Time for Lunch			
13:00	15m	OSS in Herzen university, Dmitry Zolotov, Herzen university			
13:15	30m	Faculty of Mathematics of the Petrozavodsk State University: Overview and OSS courses, Yury Bogoyavlenskiy, Petrozavodsk State University			
13:45	15m	Lexicon Viewer on Maemo platform, Eugeny Smirnov, Herzen university			
14:00	15m	Open Source and Linux in Higher Education for Teachers Training, Dmitry Zolotov, Herzen University			
14:15	15m	Endurance testing of Maemo (status report), Anton Dogadaev, Eugine Linsky, SUAI			
14:30	15m	Cooperation of IT-park of PetrSU with companies and industrial enterprises of Russia and Finland , Anton Shabaev, Petrozavodsk State University			
14:45	15m	Modeling of Access network, Vladimir Deart, Vladimir Mankov, Alex Pilugin, MTUCI			
		Coffee-break			

Research & Development

Technology (optional)

May 22 Room: 53-01

		Room: 53-01		Room: 51-01
		Chairman: Andrey Ovchinnikov	Т	rainer: Aleksey Koren
15:15	15m	Multiaccess Tree Algorithms with Interference Cancellation and Memory Restriction in Presence of Cancellation Errors, Sergey	15:15	WidSets hands-on session &
		Andreev, SUAI		competition,
15:30	45m	Mesh networks, Yevgeni Koucheryavy, Tampere University of Technology	-	Aleksey Koren, Aleksandr
16:15	15m	Comparison and performance estimation of arithmetic coding algorithms, Anton Veselov, Andrey Turlikov, SUAI	_	Sidorenko
16:30	15m	Analysis and Improvement of JPEG-LS algorithm, Elena Malisheva, SUAI		
16:45	15m	Statistical modulation for low-complexity wireless video transmission, Anton Sergeev, Anton Veselov, SUAI		
17:00	30m	Challenges of implementing wireless sensor networks for industrial applications, Vesa Pentikäinen, VTT Technical Research Centre of Finland		

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15m	Day Agenda, Andrey Ovchinnikov, SUAI			
1h	Real-time in embedded systems, Michel Gillet, Nokia			
15m	The Concept of ActionC – A Method for Formal Specification and Verification of Embedded Systems in SystemC, Tomi Metsälä, University of Turku			
15m	Protocol Processor Enabled Secure Connections in Embedded Systems, Jani Paakkulainen, University of Turku			
15m	SystemC Power Estimation Models (status report), Felix Shutenko, SUAI			
15m	Bluetooth Interference Detection for Multi-Radio Platform Optimization, Alexander Kozlov, Eugeny Pustovalov, SUAI			
1h	Time for Lunch			
1,5h	NGN/IMS deployment strategy in communication networks, Andrey N. Terekhov, St. Petersburg State University			
15m	Adaptive power saving on receiver side in DVB-H system based on JPEG2000 standard, Ann Ukhanova, SUAI			
15m	A Rate Control management in JPEG2000 for wireless video transmission, Vladimir Bashun, SUAI			
15m	Extended YUV transform for efficient image compression , Victor Minchenkov, Anton Sergeev, Andrey Turlikov, SUAI			
15m	Coffee-break			
15m	OLPC Mesh Networking, Arina Rudakova, LETI			
15m	OLPC Mesh-network improving, Arina Rudakova, LETI			
15m	Status report of Jyväskylä, Vitaliy Tykhomyrov, University of Jyväskylä			
15m	Diversity Reception in Microwave Links, Yarina Duplica, LETI			
1h	The way to created a new services utilizing personal content for travelers, Oleg Beletski, Nokia			
30m	Results of hands-on sessions, Presentation of WidSets & Symbian mobile solutions Voting, Selecting the winner of the WidSets Contest			
15m	Official Closing of the Seminar			
	1h 15m 15m 15m 15m 15m 15m 15m 15m 15m 15m			