Finnish-Russian University Cooperation Program in Telecommunications (FRUCT) seminar
Turku, Finland

7 November, Mu auditory

Chairman: Sergey Balandin, Nokia
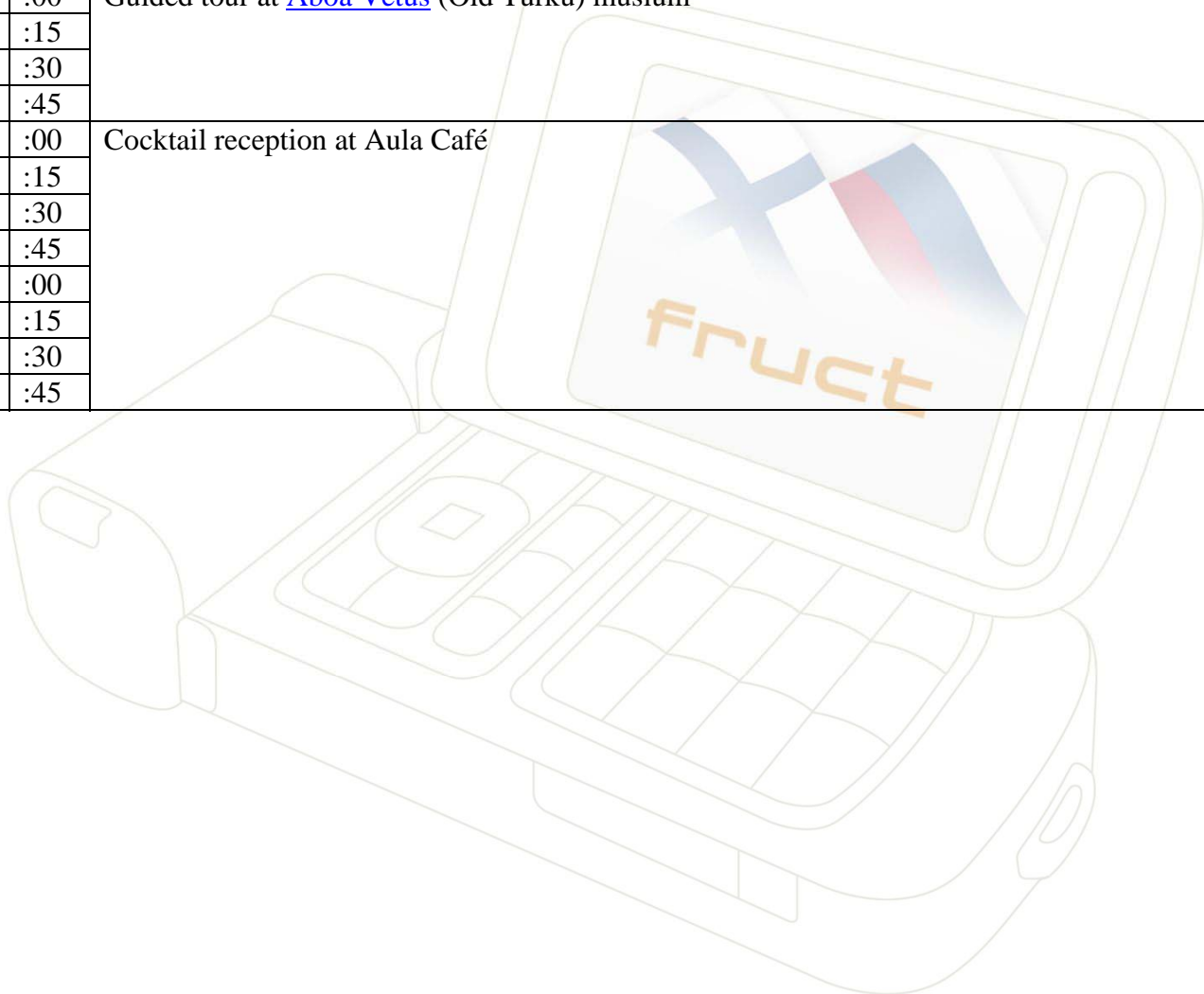
9	:00	Welcoming speech and official greetings of City of Turku, Mikko Lohikoski
	:15	Welcoming speech and official greetings of TUCS/University of Turku, Hannu Tenhunen, TUCS Director
	:30	FRUCT program description and progress, Sergey Balandin, Principle Scientist, Nokia
	:45	Mobile Trusted Module
10	:00	Jan-Erik Ekberg, Nokia
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	:30	
	:45	Coffee-break
11	:00	Resources and paths of modernization of user interface of GPS
	:15	Valery Ipatov, University of Turku/St. Petersburg Electrotechnical University "LETI"
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12	:00	
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	:30	Lunch, ICT-restaurant
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13	:00	
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	:30	Embedded networks
	:45	Michel Gillet and Sergey Balandin, Nokia
14	:00	
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	:30	Security in embedded networks. Elena Reshetova, St. Petersburg University of Airspace Instrumentation
	:45	Experimental wireless channel model derivation. Sergey Andreev, St. Petersburg University of Airspace Instrumentation
15	:00	MAC protocols for broadband wireless networks: overview of ongoing research and open problems. Alexey Vinel, Institute for Information transmission problems, Russian Academy of Sciences
	:15	Research activity at Institute of Communications Engineering, Tampere University of Technology. Yevgeni Koucheryavy, Tampere University of Technology
	:30	Traffic transmission optimization via wireless networks using cross-layer techniques. Yevgeni Koucheryavy, Tampere University of Technology
	:45	Coffee-break

7 November, Lambda auditory

16	:00	Research in telecommunication laboratory at University of Jyväskylä. Olli Alanen, University of Jyväskulä
	:15	Resource management and QoS in 802.16d/e and multi-hop 802.16j networks
	:30	Alexander Sayenko, Nokia
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17	:00	

17	:15	Optimal uplink subframe structure for WiMAX MAC protocol in PMP mode. Alexey Vinel, Institute for Information transmission problems, Russian Academy of Sciences
	:30	Optimal MAC PDU size in 802.16 networks. Henrik Martikainen, University of Jyväskulä
	:45	Performance evaluation of 802.16 ARQ mechanism. Vitaliy Tykhomyrov, University of Jyväskulä
18	:00	Video surveillance networks. Aleksandra Karimaa, University of Turku

18	:30	Unofficial walking tour along the Turku Cathedral
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19	:00	Buffet dinner at Aula Café, Itäinen Rantakatu 4-6, http://www.aulacafe.fi
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20	:00	Guided tour at Aboa Vetus (Old Turku) musium
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21	:00	Cocktail reception at Aula Café
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9	:00	FRUCT program: proposals and directions for cooperative work. Jarkko Paavola, University of Turku
	:15	Advanced simulation tools on top of SystemC
	:30	Michel Gillet and Sergey Balandin, Nokia
	:45	System level simulator for hybrid networks. Jussi Poikonen, University of Turku
10	:00	Random multiple access organization in telecommunication systems with large user
	:15	population
	:30	Andrey M. Turlikov, St. Petersburg University of Airspace Instrumentation
	:45	Coffee-break
11	:00	Evolution of DVB-H and DVB-T2 standards
	:15	Heidi Himmanen, University of Turku
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12	:00	DVB-H Lite demonstration and ITS research of Dtv group. Timo Koski, University of Turku
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	:30	Lunch, ICT-restaurant
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13	:00	
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	:30	Performance analysis for combined effects of data encapsulation and coding in DVB standards. Piritta Hakala, University of Turku
	:45	Complexity analysis of Reed-Solomon decoding methods combined with erasure information in DVB-H. Eero Lehtonen, University of Turku
14	:00	Error control coding studies: Enhancement to DVB-H MPE-FEC and future terrestrial broadcasting standard DVB-T2. Tero Jokela, University of Turku
	:15	Use case oriented enhancement of video compression algorithms. Ann Ukhanova, St. Petersburg University of Airspace Instrumentation
	:30	Local video streaming for cell phones. Sergey Semenov, St. Petersburg University of Airspace Instrumentation
	:45	Transport coding for real-time video transmission + demo. Sergey Semenov, St. Petersburg
15	:00	University of Airspace Instrumentation
	:15	Coffee-break
	:30	WidSets platform for Mobile Web 2.0 users and developers
	:45	Saarimaa Tero-Markus, Marko Lumivuori, Nokia
16	:00	
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17	:00	Introduction to symbian research. David Roberts and Liz Laffan, Symbian Ltd
	:15	Mobile software licensing. Alexey Koren, St. Petersburg University of Airspace Instrumentation
	:30	Teletraffic research at Networking Laboratory of Helsinki University of Technology. Aleksi Penttinen, Helsinki University of Technology
	:45	R&D activities at Moscow Technical University of Communications and Informatics. Vladimir Deart, Moscow Technical University of Communications and Informatics
18	:00	Rate-distortion control for H.264/AVC in video compression systems with memory restriction. Ann Ukhanova, St. Petersburg University of Airspace Instrumentation
	:15	Space-time block coding in Rayleigh and Rician fading channels. Jari Tissari, University of Turku