

**International Workshop on Multiple Access Communications
co-located with ICT-2008**

June 16-17, 2008, Saint-Petersburg, Russia

Final program

Monday, June 16, 2008

10.00 – 10.15 Alexey Vinel “**MACOM-2008: aims & scope**” (*Opening speech*) (Russia)

10.15 – 11.00 Muhammad Farmer “**UK mobile communication changing the horizon**”
(*Keynote lecture*) (UK)

Technical Session I. Medium Access Control Protocols (part I) (Session Chair: Alexey Vinel)

11.00 – 11.45 Giuseppe Bianchi “**“Vendor-affected” WLAN Experimental results: opening the Pandora Box?**” (*Invited talk*) (Italy)

11.45 – 12.30 Andrey Lyakhov “**IEEE 802.11 Direct Links: Interference Classification, Modeling and Avoidance**” (*Plenary lecture*) (Russia)

[coffee break]

12.45 – 13.30 Andrey Turlikov “**Theoretical Foundations for WLAN MAC protocols**”
(*Plenary lecture*) (Russia)

13.30 – 14.15 *Technical presentations:*

1. Yun Han Bae, Kyung Jae Kim, Eunju Hwang, Jin Soo Park, Bong Dae Choi “**Packet Management Scheme for Location-Independent End-to-End Delay in IEEE 802.11s Multi-hop Wireless Mesh**” (Korea)

2. Alexander Safonov, Andrey Lyakhov, Stanislav Sharov “**Synchronization and Beaconing in IEEE 802.11s Mesh Networks**” (Russia)

3. Sangkyu Baek, Bong Dae Choi “**Performance Analysis of Power Save Mode in IEEE 802.11 Infrastructure WLAN**” (Korea)

[lunch]

Technical Session II. Medium Access Control Protocols (part II) (Session Chair: Andrey Lyakhov)

15.15 – 16.00 Bong Dae Choi “*New Power Saving Mechanisms in the IEEE 802.16e*” (*Invited talk*) (Korea)

16.00 – 17.30 *Technical presentations:*

1. Benny Van Houdt, Gino Peeters “*FCFS tree algorithms with interference cancellation and single signal memory requirements*” (Belgium)

2. Zsolt Saffer, Sergey Andreev “*Delay Analysis of IEEE 802.16 Wireless Metropolitan Area Network*” (Hungary, Russia)

[coffee break]

3. Alexey Vinel, Vladimir Vishnevsky “*Analysis of Contention-Based Reservation in IEEE 802.16 for the Error-Prone Channel*” (Russia)

4. Tae Ok Kim, Jin Soo Park, Bong Dae Choi “*Throughput Analysis of Split-Channel MAC with p-Persistent CSMA on the Control Channel and Reservation Scheme*” (Korea)

5. Sergey Andreev, Andrey Turlikov “*A Lower Bound on Mean Delay for Free Access Class of RMA Algorithms*” (Russia)

Technical Session III. PHY-layer techniques (Session Chair: Adolf Finger)

17.45 – 18.30 *Technical presentations:*

1. Dmitry Osipov “*Asynchronous OFDMA system with woven turbo coded modulation*” (Russia)

2. Alexander Timoshenko, Ksenia Lomovskaya, Yuri Krouglov “*Low power PN synchronization technique*” (Russia)

3. Eduard Jorswieck, Anne Wolf “*Resource Allocation for the Wire-tap Multi-carrier Broadcast Channel*” (Germany)

Tuesday, June 17, 2008

9.00 – 9.30 *ICT-2008 Opening*

09:30 - 10:30 Mahmoud Daneshmand (*ICT-2008 Keynote lecture*) (USA)

[*coffee break*]

11:00 - 12:00 Peter Tomsu (*ICT-2008 Keynote lecture*) (USA)

[*lunch*]

Technical Session IV. Queuing and polling systems (Session Chair: Alexander Dudin)

13.30 – 14.15 Vladimir Vishnevsky “*Polling systems: state of the art and future development*” (*Plenary lecture*) (Russia)

14.15 – 15.15 Sergey Foss “*On stability and rare events in stochastic communication networks*” (*Invited talk*) (UK)

15.30 – 17.00 *Technical presentations:*

1. Sergey Dudin, Alexander Babitski “*Retrial Queueing Model with Time-Phased Batch Arrivals*” (Belarus)

2. Andrey Lyakhov, Oleg Sidorkin “*Study of Buffering Algorithms for Video Streaming over Wireless Network*” (Russia)

3. Anna Ukhanova, Jijun Luo, Andrey Turlikov “*Optimal packet size for segmentation in multi-hop system*” (Russia, Germany)

[*coffee break*]

4. Valentina Klimenok, Valentina Khranova, Alexander Babitski, Alexander Dudin “*Multi-server queueing system with batch arrivals and varying environment*” (Belarus)

5. Olga Semenova, Vladimir Vishnevsky “*The power-series algorithm for two-queue polling system with impatient customers*” (Russia)

Technical Session V. Multi-user information theory (Session Chair: Felix Taubin)

17.15 – 18.00 *Technical presentations:*

1. Ayfer Ozgur, Olivier Leveque “*Throughput-Delay Trade-off for Hierarchical Cooperation in Ad Hoc Wireless Networks*” (Switzerland)

2. Felix Taubin “*Performance of BICM Transmission over Gaussian Broadcast Channels*” (Russia)

3. Dinkar Vasudevan “*On the Heegard-Berger/Kaspi problem with decoder cooperation*” (Switzerland)

18.30 – 20.30 *ICT-2008 Reception*