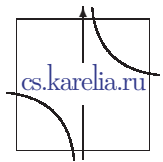




Ежегодный международный научный семинар
Vuositainen kansainvälinen seminaari
Annual International Workshop



AMICT'2007

Передовые методы
информационных и коммуникационных технологий
Tieto- ja viestintätekniikan edistyksellisiä menetelmiä
Advances in Methods of Information and Communication Technology

Program of the Workshop

August 21, The Main Building of PetrSU (aud. 271)

13:30–14:30 Lunch.

Registration. **8:00–9:20** (room 215)

Opening. **9:30–9:55**.

- Vice-Rector of Petrozavodsk State University, Professor Natalia S. Ruzanova;
- Professor Timo Alanko, Dr. hc, Department of Computer Science, University of Helsinki;
- Professor Kimmo Raatikainen, Department of Computer Science, University of Helsinki;
- Head of the Department of Computer Science, Dr. Yury A. Bogoyavlensky, Petrozavodsk State University.

Session 1. Chair Prof. Timo Alanko,
Secretary Alexandr V. Borodin.

1. 10:00–10:55 *Benchmarking Telecommunication Systems*. Prof. Kimmo Raatikainen (University of Helsinki, Finland).

2. 11:00–11:25 *Service Migration Using Virtualization*. Dr. Tiina Niklander (University of Helsinki, Finland).

11:30–11:55 Coffee break.

3. 12:00–12:55 *Adaptive Content Management in Structured P2P Communities*. Prof. Jussi Kangasharju (University of Helsinki, Finland).

4. 13:00–13:25 *Experimental Study of Wireless Network Performance*. Alexandr V. Borodin (Petrozavodsk State University, Russia).

Poster Session. Chair Dr. Tiina Niklander.

14:00–14:25 Hanging out the posters.

14:30–14:55 Short (5-10 minutes) talks for presenters who interested in oral presentation and/or demo.

15:00–15:25 Continuation of the poster session: discussions with authors.

5. *Regeneration Cycles Dependence in Confidence Estimation by Splitting*. Alexandra V. Borodina (Karelian Research Centre of Russian Academy of Science, Russia).

6. *Heavy-tailed distributions with applications to broadband communication systems traffic*. Prof. Evsey V. Morozov (Karelian Research Centre of Russian Academy of Science, Russia), Dr. Michele Pagano (University of Pisa, Italy), Alexandr S. Rumyantsev (Petrozavodsk State University, Russia).

7. *A New Regenerative Estimator for Effective Bandwidth Prediction*. Irina S. Vorobieva (Petrozavodsk State University, Russia), Prof. Evsey V. Morozov (Karelian Research Centre of Russian Academy of Science, Russia), Dr. Michele Pagano (University of Pisa, Italy), Dr. Gregorio Procissi (University of Pisa, Italy).

8. *Application of Modern Information Technologies to the Study of Karelian Petroglyphs*. Ksenia A. Rogova (Petrozavodsk State University,

Russia), Konstantin N. Spiridonov (Petrozavodsk State University, Russia), Maksim U. Bystrov (Petrozavodsk State University, Russia).

9. **GIS Technology in Forest Harvesting Planning.** Viktor M. Lukashevich (Petrozavodsk State University, Russia), Dr. Ludmila V. Shchegoleva (Petrozavodsk State University, Russia), Pavel O. Schukin (Petrozavodsk State University, Russia).
10. **Multidimensional Index Structures for Net-Flow Record Processing.** Alexander V. Sherikov (Petrozavodsk State University, Russia), Dr. Yury A. Bogoyavlensky (Petrozavodsk State University, Russia).
11. **Search Problem of the Reels Cutting Optimal Sequence.** Alexey Smoliy (Petrozavodsk State University, Russia).
12. **Inductive Constructed a Set of PROSPECTOR-like Rules for Classification of Literary Works.** Tatyana G. Surovtsova (Petrozavodsk State University, Russia), Dr. Sergey P. Chistjakov (Karelian Research Centre of Russian Academy of Science, Russia).

15:30–15:55 Coffee break.

Banquet. 18:00, Restaurant Petrovskiy, The Bear Hall.

August 22, The Main Building of PetrSU (aud. 271)

Session 2. Chair Dr. Yury A. Bogoyavlensky,
Secretary Alexander V. Sherikov.

13. **10:00–10:25 Improving Speaker Verification by Periodicity Based Voice Activity Detection.** Ville Hautamaki (University of Joensuu, Finland), Marko Tuononen (University of Joensuu, Finland), Dr. Tuija Niemi-Laitinen (National Bureau of Investigation, Finland), Prof. Pasi Franti (University of Joensuu, Finland).

14. **10:30–10:55 Support Vector Machine in the Task of Voice Activity Detection.** Evgenia Chernenko (University of Joensuu, Finland), Dr. Tomi Kinnunen (Institute for Infocomm Research, Singapore), Marko Tuononen (University of Joensuu, Finland), Prof. Pasi Franti (University of Joensuu, Finland), Dr. Haizhou Li (Institute for Infocomm Research, Singapore).

15. **11:00–11:25 Equilibrium in a P2P system.** Prof. Vladimir V. Mazalov (Karelian Research Centre of Russian Academy of Science, Russia), Dr. Igor A. Falko (Karelian Research Centre of Russian Academy of Science, Russia), Dr. Andrei V. Gurtov (Helsinki Institute for Information Technology, Finland), Dr. Andrey A. Pechnikov (Karelian Research Centre of Russian Academy of Science, Russia).

11:30–11:55 Coffee break.

16. **12:00–12:40 Sparse Networks: Balance of Processing and Communication.** Prof. Ville Leppänen (University of Turku, Finland), Prof. Martti Penttonen (University of Kuopio, Finland).
17. **12:45–13:05 Joint analysis of Squid and Net-flow log files using http client port information.** Alexandr S. Volkov (Petrozavodsk State University, Russia), Dr. Yury A. Bogoyavlensky (Petrozavodsk State University, Russia).

Closing the Seminar. 13:10–13:25

13:30–14:30 Lunch.

Informal Round Table. 14:30–15:30 The Pilot on Information and Communication Technology of the Finnish–Russian Cross Border University.
Chairs: Prof. Kimmo Raatikainen, Dr. Yury A. Bogoyavlensky.
