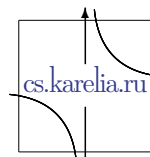




Ежегодный международный научный семинар

Vuosittainen kansainvälinen seminaari

Annual International Workshop



AMICT'2015

Передовые методы
информационных и коммуникационных технологий

Tieto- ja viestintätekniiikan edistyksellisiä menetelmiä

Advances in Methods of Information and Communication Technology

Program of the Workshop

May 13, The Main Building of PetrSU

Registration. **9:00–9:50** (room 215)

Opening. **10:00–10:30**. (room 221)

- Rector of Petrozavodsk State University, Doctor of technical sciences, Professor Anatoly V. Voronin;
- President of Petrozavodsk State University, Doctor of technical sciences, Professor Victor N. Vasiliev

Session 1. (room 221) Chair Dr. Iouri A. Boogiyavenskii

1. 10:30–11:15 *Youtube Revisited*

Prof. Jussi Kangasharju (University of Helsinki, Finland).

2. 11:15–12:00 *Security architectures of mobile systems*

Prof. Valtteri Niemi (University of Helsinki, Finland).

12:00–12:30 Coffee break.

3. 12:30–12:50 *Ontology-Based Robots Self-Organization in Cyber-Physical Systems*

Dr. Alexey Kashevnik, senior researcher, SPIIRAS, senior researcher PetrSU.

4. 12:50–13:40 *Offloading through Opportunistic Networks / Identifying WiFi Devices*

MSc. Otto Waltari (University of Helsinki, Finland).

13:40–14:40 Lunch.

Session 2. (room 221) Chair Prof. Jussi Kangasharju

5. 14:40–15:25 *Support for configuration of physical products and services* Dr. Juha Tiihonen (University of Helsinki, Finland).

6. 15:25–15:55 *Interactive graph visualization system and its application in network management* MSc Mikhail Kryshen. (Petrozavodsk State University, Russia)

15:55–16:25 Coffee break.

7. 16:25–16:55 *Modelling of the Data Flows Structure in the Enterprise ICT-infrastructure on the Basis of the Object Model of Its Architecture: Use Cases* MSc Alexander. Kolosov (Petrozavodsk State University, Russia)

8. 16:55–17:25 *GeTS project: Geo2Tag LBS Platform Usage in e-Tourism* Dr. Kirill Kulakov (Petrozavodsk State University, Russia)

Social event **18:30**

Session 3. (room 221) Chair Prof. Valtteri Niemi

1. **10:00–10:30** *Graph Model of an IEEE802.1 Based Network Structure and Its Application for Enterprise ICT-infrastructure Discovery Modeling Data Flows Hierarchy of an Enterprise Network's ICT Infrastructure* Anton Andreev (*presenter*), MSc Alexander Kolosov, Dr. Iouri Bogoiavlenski (Petrozavodsk State University, Russia).

2. **10:30–11:00** *Convergence of Discrete Models of TCP Congestion Avoidance.* Dr. Olga Bogoiavlenskaia (Petrozavodsk State University, Russia).

3. **11:00–11:30** *Building Laconic Object Query Language Using Features of Object Model* MSc Vyacheslav Dimitrov (Petrozavodsk State University, Russia).

11:30–12:00 Coffee break.

4. **12:00–12:30** *Design of Semantic Information Broker for Localized Computing Environments in the Internet of Things.* MSc Ivan Galov (*presenter*), Dr. Aleksandr Lomov, Dr. Dmitry Korzun (Petrozavodsk State University, Russia).

5. **12:30–13:00** *Enhancing the SmartRoom system with e-Tourism services.* BSc Sergey Marchenkov (*presenter*), BSc Andrey Vdovenko, Dr. Dmitry Korzun (Petrozavodsk State University, Russia).

6. **13:00–13:30** *Development of a Discussion Service for the SmartRoom System* Andrey Borodulin (*presenter*), Dr. Dmitry Korzun (Petrozavodsk State University, Russia).

13:30–14:30 Lunch.

Session 3 (continues). (room 221)
Chair Dr. Olga Bogoiavlenskaia

7. **14:30–15:00** *Development of Continuous Heart Function Monitoring Service* BSc Yulia Zavyalova, MSc Alexander Borodin, Nikolay Lebedev (Petrozavodsk State University, Russia).

8. **15:00–15:15** *On the Development of Doctor Workplace for CardiaCare Service* Alexey Zakharov, Igor Yamushev, Ilya Vershinin, Andrey Chaplygin, Stepan Salov, Nikolay Lebedev, BSc Yulia Zavyalova, MSc Alexander Borodin (Petrozavodsk State University, Russia).

9. **15:15–15:30** *Development of Smartphone Application for Pulmonary Function Testing* Dmitry Baganov, MSc Alexander Borodin (Petrozavodsk State University, Russia).

10. **15:30–15:45** *Analysis of Teager-Kaiser Energy Operator Pertinence for R Peak Detection in ECG Recordings on a Smartphone* Artem Rudenya, MSc. Alexander Borodin (Petrozavodsk State University, Russia).

15:55–16:25 Coffee break.

11. **16:30–16:50** Round Table: Prospects of Future Collaboration

12. **16:50–17.00** Closing of the seminar
Excursion to Karelian museums
