

Seminar/Course

Dynamic Systems and their testing, mechatronic and tribologic cases
Dünaamilised süsteemid ja nende uurimine

mehhatrooniliste ning tribotehniliste rakenduste näidetest
Tallinn, Park Inn Central Hotel, Conference room Studioli

SCHEDULE

Tuesday 23. November 2010

- 8.30 - 9.00 Registration and morning coffee
- 9.00 - 9.10 Opening the seminar/course,
Mart Tamre, Prof., TUT Head of Department of Mechatronics
- 9.10 – 9.30 On importance of Practical Aspects in Mechatronics,
Mart Tamre, Prof., TUT Head of Department of Mechatronics
- 9.30 – 10.30 External and Internal Dynamics of Frictional Interaction,
Victor M. Musalimov, Prof., ITMO Department of Mechatronics
- 10.30 – 11.00 Performance characteristics of tribometric system „TRIBAL-2“,
Konstantin A. Nuzhdin, PhD student, ITMO Department of Mechatronics
- 11.00 – 11.20 Coffee
- 11.20 – 11.50 Prospects for developing downhole tool „SCANNER“,
Mikhail A. Nozdrin, Prof., **Andrey A. Kraskovski**, ITMO Department of Mechatronics
- 11.50 – 12.35 Development of Movement Algorithms of the Robot - Manipulator
Gennadi Arjassov, Assoc.Prof. TUT Department of Mechatronics
- 12.35 – 13.05 Simulation of wear in sliding contacts using Finite Elements,
Priit Põdra, Assoc.Prof. TUT Department of Mechatronics
- 13.05 – 13.35 Distributed Traceability in Production Chains
Märt Juurma, PhD student, **Ahti Põlder**, PhD student, TUT Department of Mechatronics
- 14.00 – 15.00 Lunch
- 15.00 - 15.30 Travel to Tallinn University of Technology
- 16.00 – 19.30 Practical Exercises and Brainstorming on Practical Methods (TUT V303)



Wednesday 24. November 2010

- 8.30 – 9.00 Morning coffee
- 9.00 – 9.30 Parameter of action of brass sample pairs,
Mikhail J. Tarasov, PhD student, **Ivan Utkin**, PhD student, **Alexey Opryshko**, PhD student, **Victor M. Musalimov**, Prof., ITMO Department of Mechatronics
- 9.30 – 10.15 Robotics sensors - Tactile vision problem,
Alexey V. Shavetov, PhD student, **Victor M. Musalimov**, Prof., ITMO Department of Mechatronics
- 10.15 – 11.00 Autonomous and semi-autonomous navigation aspects of robots in unknown terrain,
Maido Hiimaa, PhD student, **Robert Hudjakov**, PhD student
- 11.00 – 11.20 Coffee
- 11.20 – 11.50 Wear and Fatigue of Hard Coatings,
Alina Sivitski, Teaching Assistant, TUT Department of Mechatronics
- 11.50 – 12.00 Scientific and modern methodical work at Mechatronics Department of ITMO, Yury S. Monachov, Teaching Assistant, ITMO
- 11.50 – 13.00 Brainstorming on practical methods
- 13.00 – 14.00 Lunch
- 18.00 – 21.00 Brainstorming and Dinner – Olde Hansa

Thursday 25. November 2010

- 9.00 – 17.00 Travel to Kohtla-Järve, follow-up seminar in TUT Virumaa Kolledz

- Seminari/kursuse läbinuile väljastatakse **tunnistus**, mis kinnitab **1 EAP** saamist.
- Palume **eelregistreeruda hiljemalt 22. novembriks 2010** e-posti aadressil: **mh@ttu.ee**
- **Telefon:** 620 3300, 512 0982