



International Conference on Education in Mechatronics

24. 9. 2013, Ostrava, Czech Republic
VŠB – Technical University of Ostrava



organized by

The Department of Control Systems and Instrumentation
Faculty of Mechanical Engineering
VŠB - Technical University of Ostrava
(www.352.vsb.cz)



Preliminary Programme

<http://akce.fs.vsb.cz/2013/edumec/>



EDUMEC

**INTERNATIONAL CONFERENCE
ON EDUCATION IN
MECHATRONICS**

Preliminary Programme

Monday 23th September 2013

17.30 - 18.00 Registration, NA178, VŠB-TU Ostrava, Building Aula

18.00 - 19.00 Welcome party, NA178, VŠB-TU Ostrava, Building Aula

Tuesday 24th September 2013 Programme

8.30 – 9.00 Registration, NA2, VŠB-TU Ostrava, Building Aula

9.00 – 9.15 Opening

9.15 – 10.35 **Session 1: Education in Mechatronics**

Session Chairperson: Prof. Ing. Petr Noskievič, CSc., VŠB-Technical University of Ostrava

Technological Infrastructure of E-Learning Education for Mechatronics Remote Laboratory
AK, Ayca, ORAL, Bekir, ALTIKARDES Z. Aysun & TOPUZ, Vedat

Conceptual Development of E-Learning Education for Mechatronics Remote Laboratory
ALTIKARDES, Z. Aysun, AK, Ayca, ORAL, Bekir & TOPUZ, Vedat

Another Pedagogy for Teaching Computer Vision To Mechatronic Students
BONNIN, Patrick & BLAZEVIC, Pierre

Project Based Graduate Education in Mechatronics Engineering: A Good Practice in Turkey
FENERCIOĞLU, Ahmet, SOYASLAN, Mücahit & KÖZKURT, Cemil

10 Years of Mechatronic Training at ISTY
BONNIN, Patrick & BLAZEVIC, Pierre

11.00 – 12.40 **Session 2: Education in Mechatronics**

Session Chairperson: As.Prof. Dr. Ayca AK, Marmara University, Vocational School, Istanbul

Enhancing Learning Experience for Engineering Students During their First Two Years in the University
ABO-SERIE, Essam & TUNABOYLU, Serdar

Application of Wireless Motion Tracking
HARDALAC, Firat & KUTBAY Ugurhan

E-learning for Project Management: Approach for Students with Expressed Technical Skills
KOCJAN STJEPANOVIČ, Tanja & FLAC, Sašo

E-learning Solution for Lifelong Education in Electro-Mechanical Industry
ROJKO, Andreja & KOCJAN STJEPANOVIČ, Tanja

12.40 – 13.30 Lunch

13.30 – 14.50 **Session 3: Control and Simulation of Mechatronic Systems**

Session Chairperson: Tanja Kocjan Stjepjanovič, Prava Poteza, Maribor

Modeling, Simulation and Study by Oil Industry Computer Assisted Laboratory Mechatronic Systems
USTUN, Ozgur, YILMAZ, Murat, ALI ZADA, Parviz, TUNCAY, Nejat & MAMEDOV Havar

Two-Degree-of-Freedom Controllers
VÍTEČKOVÁ, Miluše & VÍTEČEK, Antonín

Two-Degree-of-Freedom Controllers – Special Cases
VÍTEČKOVÁ, Miluše & VÍTEČEK, Antonín

Digital Simulation of Mechatronic Systems
NOSKIEVIČ Petr

14.50 – 15.00 Closing

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15.30 – 16.00 Transport for dinner

16.00 – 18.00 Excursion in Landek Park

18.00 – 21.00 Dinner in Landek Park

21.00 – 21.30 Transport to the hotels