

PROGRAM

November 15, 2007, Thursday

Budapest Tech
Bécsi út 96/B, H-1034 Budapest, Hungary

- 14:00 - 14:45 OPENING CEREMONY** **Aula**
Chairman: **Imre J. Rudas**
 Rector of Budapest Tech, Hungary
- 15:00 - 15:45 PLENARY SESSION I** **Room F09**
Session Chair: **Imre J. Rudas**
 Budapest Tech, Hungary
Meeting New Techniques with Previous Methods in the Space Research
Antal K. Bejczy
 USA
- 15:45 - 16:15 Coffee Break**
- 15:45 - 16:15 Annual Meeting of Hungarian Fuzzy Association** **Room F07**
- 16:15 - 16:45 PLENARY SESSION II** **Room F09**
Session Chair: **János Fodor**
 Budapest Tech, Hungary
Vehicle Industry and Its Researches in the Past 25 Years in Hungary
László Palkovics
 Hungarian Academy of Sciences
- 17:00 Reception given by the Rector of Budapest Tech**

November 16, 2007, Friday

Budapest Tech
Népszínház u. 8, H-1081 Budapest, Hungary
Room 45

- 10.00 WELCOME SPEECH**
Dr. Béla Palásti Kovács CSc., Dean
 Bánki Donát Faculty of Mechanical and Safety Engineering, Budapest Tech
- 10:25 – 11:40 SESSION MECHATRONICS I**
Session Chair: **Attila L. Bencsik**
 Budapest Tech, Hungary
- 10:25 Dynamical Model of the Ballscrew Mechatronic Motion Converter**
Dr. Antal Huba CSc.
 Budapest University of Technology and Economics, Hungary
- 10:50 Energy Management of Accumulator Hand-Tools**
Dr. Endre Jakab CSc.
 Dept. of Robert Bosch Mechatronics, University of Miskolc
Dr. A. Szilágyi, Dr. Gy. Patkó

Dept. of Machine Tools, University of Miskolc

Gy. Gondos

Robert Bosch Power Tool Ltd.

11:15 Automatization of Mechanical Connected Gears by Pneumatic Drives

Dr. Sándor Simonyi

Director, Trigon Ltd.

Gábor Horváth

Director / IMI International Ltd. /Norgren Division

Tamás Késmárki

Trade Manager / IMI International Ltd.

11:40 – 12:00 Coffee break

12:00 – 13:00 SESSION MECHATRONICS II

Session Chair: **Attila L. Bencsik**

Budapest Tech, Hungary

12:00 'Rexroth Small Handling' Solutions

László Szabó

Bosch Rexroth Ltd.

12:25 SIL Study of IMET Control Systems by Discret-Discret Markov Model

József Neszveda

Kandó Kálmán Faculty of Electrical Engineering, Budapest Tech

13:00 RECEPTION

13:30 – 14:45 SESSION MECHATRONICS III

Session Chair: **Attila L. Bencsik**

Budapest Tech, Hungary

13:30 Motion-Animation Survey of Mechatronic Structures

József Szabó

Bánki Donát Faculty of Mechanical and Safety Engineering, Budapest Tech

13:55 Up-to-date Solutions of Electricity Supply of Autonomous Mechatronic Systems

Sándor Kerekes

Budapest University of Technology and Economics, Hungary

14:20 History of Robotics and Mechatronics

István Nagy

Bánki Donát Faculty of Mechanical and Safety Engineering, Budapest Tech

14:45 Coffee break

15:00 Comparison the Syllabus of German and Hungarian IT Teaching regarding Mechatronics Education

Gábor Kiss

Bánki Donát Faculty of Mechanical and Safety Engineering, Budapest Tech

15:25 Round-Table Meeting

Experiences on MEchatronics BSc Training

15:40 Closing Ceremony

15:45 Annual Meeting of FIOM