

# IFAC 14th WORLD CONGRESS, July 5-9, 1999, BEIJING, P.R.China

For detailed reports on the recent World Congress see the relevant issues of the IFAC Newsletters via IFAC Central Homepage <http://www.ifac-control.org/>

The following Technical Sessions were held:

## "Sharing Laboratory Equipment for Control Education"

*M.W.Spong, T.-C. Tsao*: Mechatronics Education at the University of Illinois.

*I.I.Blekhman et al.*: Computer Controlled Vibrational Set-up for Education and Research.

*H.Sone et al.*: Control Benchmark Study for Process Industry Control Engineers.

*M.Yamakita et al.*: Stabilization of a Limit Cycle in TITech Double Pendulum.

*K.Schilling, H.Roth*: Mobile Robots for Education in Telematics, Control and Mechatronics

*L.dos Coelho et al.*: Design Issues and Laboratory Experiments in a Self-Tuning Control Teaching

## "Control Education Computer Tools and Web based Methods"

*P.Horacek*: Laboratory Experiments for Control Theory Courses: A Survey.

*A.Bark et al.*: A Web Based Course in Automatic Control for Engineers in Industry

*H.Charaf et al.*: A New Web/MATLAB Based System in Control Education

*J.Benksson et al.*: Operator Interface for a Water Tank Process A Java Programming Project.

*R.Schumann et al.*: Making Multimedia Work for Control Education.

*P.P.Groumpos*: Challenging Issues of Academic Programs for Systems-Control and Manufacturing.

## "Computer Aided Teaching (CAT)"

*D.Matko et al.*: A New Approach to Teaching/Examining CACSD.

*M.Kozek et al.*: MRACLab A Tool for Teaching Model Reference Adaptive Control.

*M.R.Silveira*: The Integration of the Computer Science Concepts into a Control and Automation Teaching Methodology: The Conception of a Didactic Laboratory.

*K.J.Åström et al.*: Energy Based Strategies for Swinging Up a Double Pendulum.

*A.Balestrino, A.Landi*: Circle Criteria and Complete Root Contours.

*P.Zampa*: Importance of Directional Causation in Systems Theory.

## Committee Meeting

The EDCOM meeting was held on July 06 at the Beijing International Convention Center.

Essentials of the meeting's minutes:

The meeting was attended by 28 committee members and guests. The chairman reported on the recent TC activities. L.Vlagic reported on the progress of preparing for ACE2000. L.Yliniemi of Finland reported on the preliminaries of ACE2003 already approved by IFAC. A.Fradkov reported on the success of the 7th Intern.

Student Olympiad, St.Petersburg, May 1999. It was further decided to install, as an experiment, a new section of the webpage called Marketplace.

#### Control Engineering Textbook Prize (CETP)

During the course of the Congress' Closing Ceremony, as a result of the CETP-Selection Committee's work, the prize was awarded to Ch.G.Cassandras for his book "Discrete Event Systems: Modeling and Performance Analysis".

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