

Session 5

CYBERNETICS & ROBOTICS

Chairperson: prof. Ing. Vojtech Veselý, DrSc.

8:30 - 10:30

- 1. STABLE PREDICTIVE CONTROLLER DESIGN WITH POLE LOCATION SPECIFICATION**
Daniel Vozák
- 2. ROBUST DISCRETE GAIN-SCHEDULED CONTROLLER DESIGN: LMI APPROACH**
Adrián Ilka, Vojtech Veselý
- 3. DESIGN OF A TEST BED FOR PARAMETER IDENTIFICATION OF ACTUATOR USED IN QUADROTORS**
Anežka Chovancová, Tomáš Fico

Coffee Break

- 4. IMU FILTER FOR EMBEDDED DEVICES**
Juraj Slačka
- 5. ROBUST STATIC OUTPUT FEEDBACK CONTROL FOR SWITCHED SYSTEMS WITH INPUT CONSTRAINTS**
Róbert Krasňanský, Peter Valach