

May 29, 2019

Session II

MECHATRONIC SYSTEMS ROBOTICS & CYBERNETICS

Chair: prof. Ing. Danica Rosinová, PhD.

09:00 - 11:00

1. Intelligent BLDC motor controller with embedded PLC like module

Jaromir Stanko (ÚRK)

2. 5G network is around the corner. Will the expectations be fulfilled?

Ivan Sokol (ÚRK)

3. Neuro-evolution of controllers

Dominika Banášová and Ivan Sekaj (ÚRK)

4. Nonlinear process prediction using neural network model

Peter Karas (ÚAMT)

5. Design of torque vectoring control system for an electric vehicle

Dávid Mikle and Martin Baťa (ÚAMT)

6. Battery Management System for Formula Student Electric Car

Martin Baťa and Dávid Mikle (ÚAMT)

7. Fine tuning of PI controller with system generator

Ivan Klimo and Peter Drahoš (ÚAMT)

8. Modelling and control of a laboratory DC motor

Romana Čápková and Martin Minár (ÚAMT)