

May 29, 2024

Session II

ROBOTICS & CYBERNETICS APPLIED INFORMATICS

Committee: doc. Ing. Ladislav Körösi, PhD. - chairman

Ing. Marián Tárník, PhD.

Ing. Ondrej Gallo, PhD.

09:00 - 11:00

1. Deep learning-based methods for synthetic medical images generation

Michal Kováč and Jarmila Pavlovičová (ÚRK)

2. Comparative analysis of neuroevolution methods in missile control application

Oliver Halaš and Ivan Sekaj (ÚRK)

3. Approaches to the centralization of a designed intersection control using neuroevolution

Jaromír Skirkanič and Ivan Sekaj (ÚRK)

4. Evaluation of stock indicators for temporal fusion transformer

Patrik Šebeš (ÚIM)

5. Implementation of Linear Quadratic control for a laboratory motion system

Robert Málík, Kristina Okienková, Marián Tárník and Jana Paulusová (ÚRK)

6. Honeypot for scada network

Peter Minarovský (ÚIM)

14:00

Announcement of award-winning papers (Lecture Hall BC-150)