

Research results of PC-IEEE-RAS

Technical Meeting of the Polish Chapter IEEE Robotics & Automation Society

Poznan University of Technology, Poznań (hybrid mode), December 08, 2023

website: <https://r8.ieee.org/poland-ras/>



11:00 – 11:10 **Opening words** (Maciej Marcin Michałek – Chair of PC-IEEE-RAS)

11:10 – 11:40 ***ADRC control of a backlash two-mass system (O)***

(mgr inż. Bartłomiej Wicher, dr hab. inż. Stefan Brock, Poznan University of Technology)

11:40 – 12:10 ***Event-based vision on SoC FPGAs - benefits and challenges (O)***

(dr inż. Tomasz Kryjak, AGH University of Science and Technology)

12:10 – 12:40 ***Local path planning using the artificial-potential-fields algorithm (O)***

(dr inż. Rafał Szczepański, Nicolaus Copernicus University)

12:40 – 13:10 **Break** (coffee & refreshments)

13:10 – 13:40 ***Estimation of physical terrain parameters for walking robots (R)***

(dr inż. Krzysztof Walas, Poznan University of Technology, IDEAS NCBR Sp. z o. o.)

13:40 – 14:10 ***Methods of precise motion control in ground observation systems (O)***

(dr hab. inż. Dariusz Pazderski, Poznan University of Technology)

14:10 – 14:40 ***Operations of PC-IEEE-RAS in cadences 2020-2021 and 2022-2023: concluding report (O)***

(dr hab. inż. Maciej Marcin Michałek, Poznan University of Technology)

14:40 – 14:50 **Closing words** (Maciej Marcin Michałek – Chair of PC-IEEE-RAS)

