Instytut Automatyki i Robotyki (IAR)

Wydział Automatyki, Robotyki i Elektrotechniki, Politechnika Poznańska

Plan seminariów instytutowych (rok akademicki 2025/2026)

prowadzący: prof. dr hab. inż. Maciej Marcin Michałek

	Title	Speakers	Institute / Division	Date	Hale	Hour
1	From Carbon Monoxide Detection to the Artificial Electronic Nose: A Review of Technologies and Applications	dr hab. inż. Krzysztof Siwek, prof. PW	PW	15.10.2025	s.16 (b.A3)	11:45
2	Case study: tracking people and vehicles in mine tunnels based on ultra-wideband communication	mgr inż. Mateusz Przybyła	przemysł	05.11.2025	s.16 (b.A3)	11:45
3	Evolution of algorithms for precise 3D image detection and analysis of the impact of AI on the further development of this technology	mgr inż. Piotr Szablata	IAR / Z1	12.11.2025	s.16 (b.A3)	11:45
4	A keypoint-based approach to estimating and assessing spinal curvature	mgr inż. Rafał Wysocki	IAR / Z2	19.11.2025	s.16 (b.A3)	11:45
5	Static and Dynamic Linearizations in Control of Multi-agent and Nonholonomic Systems	mgr inż. Mohammed Safarini	IAR / Z1	03.12.2025	s.16 (b.A3)	11:45
6	Distributed fixed-time VFO consensus algorithm for multi-robot formation control	mgr inż. Rafał Sobański	IAR / Z1	10.12.2025	s.16 (b.A3)	11:45

7	Modelling and Control of Magnetorheological Elastomers in Soft Robotics	mgr inż. Paweł Czopek	IAR / Z1	14.01.2026	s.16 (b.A3)	11:45
8	High Precision Digital Signal Processing Using Rotation Structures	dr inż. Robert Wirski	Politechnika Koszalińska	18.03.2026	s.16 (b.A3)	11:45
9	Neural State Machine for autonomous decision making	mgr inż. Piotr Gapski	IAR / Z1	01.04.2026	s.16 (b.A3)	11:45
10	Multimodal Assessment of Cataract Progression in the Human Eye Using Artificial Intelligence Methods	mgr inż. Alicja Ignatowicz	IAR / Z2	08.04.2026	s.16 (b.A3)	11:45
11	Cooperative distributed navigation for wheeled mobile robots using the Vector Field Orientation approach under time constraints*	mgr inż. Rafał Sobański	IAR / Z1	15.04.2026	s.16 (b.A3)	11:45
12	Reliability analysis of dynamic random-access memory (DRAM) using probabilistic methods	mgr inż. Jarosław Warmbier	IAR / Z1	22.04.2026	s.16 (b.A3)	11:45
13	Fixed-time path following control for robots of unicycle and car-like kinematics	mgr inż. Mikołaj Przybylski	IAR / Z1	13.05.2026	s.16 (b.A3)	11:45
14	Robust methods of state estimation and control in a task space using vision feedback	mgr inż. Patryk Bartkowiak	IAR / Z1	20.05.2026	s.16 (b.A3)	11:45
15	Control algorithm for a team of autonomous mobile robots	mgr inż. Arpit Joon	IAR / Z1	03.06.2026	s.16 (b.A3)	11:45
16	AI-Based Optimal Controller for an Unmanned Aerial Vehicle	mgr inż. Monika Pawlak	IAR / Z1	10.06.2026	s.16 (b.A3)	11:45

* prezentacja generalna przed obroną doktoratu

L123 - sala w budynku Centrum Wykładowego i Biblioteki

PPeM = eMeeting (seminarium zdalne poprzez system eMeeting)