

Room G-205			
time	student	advisor	title
14:00-14:20	Aleš Novotný	Vojtěch Spurný	Reactive collision-free motion planning of a helicopter using data from onboard stereo camera
14:20-14:40	Michal Němec	Vojtěch Spurný	ARFID chips localization by a group of helicopters using a principle of Multilateration
14:40-15:00	Dan Šuster	Vojtěch Spurný	Reactive motion planning of a formation of helicopters for mapping of transmission sources positions
15:00-15:20	Matouš Vrba	Martin Saska	Relative localization of helicopters from an onboard camera image using neural networks
15:20-15:40	Matej Petrlik	Martin Saska	Onboard localization of an unmanned aerial vehicle in an unknown environment
15:40-16:00	Diego Saikin	Martin Saska	Predictive control of an unmanned aerial vehicle with a time-variable mass
Room G-205			
time	student	advisor	title
14:00-14:20	Filip Bulander	Martin Saska	Interface iOS for control of an unmanned helicopter in ROS
14:20-14:40	Petr Ješke	Martin Saska	
14:40-15:00	Jan Machálek	Tomáš Báča	Automatické řízení bezpilotní helikoptéry v systému ROS
15:00-15:20	Alexander Dubeň	Robert Pěnička	Motion planning with Hermite splines for Unmanned Aerial Vehicle in information gathering task
15:20-15:40	Diego Saikin	Martin Saska	Predictive control of an unmanned aerial vehicle with a time-variable mass
15:40-16:00	Martin Jílek	Tomáš Báča	
16:00-16:20	Miloš Prágr	Jan Faigl	Terrain Classification and Traversability Assessment from Exteroceptive Data
16:20-16:40	Filip Bursik	Martin Saska	Control and navigation of an unmanned helicopter using sensors in mobile phones
16:40-17:00	Štěpán Klouček	Martin Saska	Android application for controlling UAV carrying bird repulsor
time	student	advisor	title
14:40-15:00	Jiří Kubík	Jan Faigl	Online Foot Strike Detection of a Hexapod Walking Robot Using Inertial Measurements
15:00-15:20	Otakar Jašek	Karel Zimmermann	Simulating Depth Measuring Sensors for Autonomous Learning and Benchmarking
15:20-15:40	Jiří Horyna	Tomáš Báča	Robotická manipulace z paluby bezpilotní helikoptéry
15:40-16:00	Dita Hollmannová	Tomáš Svoboda	Simulating realistic local 3D maps from geometric models
16:00-16:20	David Zahrádka	Robert Pěnička	Motion planning for team of Unmanned Aerial Vehicles with flight time constraint and Dubins vehicle model
16:20-16:40	Tom Jankovec	Vojta Vonasek	Computational detection of pathways for flexible ligands in protein structures
16:40-17:00	Matěj Račinský	Karel Zimmermann	3D map estimation from a single RGB image
17:00-17:20	Jakub Marek	Jan Faigl	Úloha pokrývání oblastí vzdušnými robotickými prostředky