

PlanRob Dagstuhl Seminar Schedule

Monday 16

9:00 - 10:00 Who's who roundtable

Brief introduction to the organization of the seminar

Break

10:30 - 12:10 Position Statement Session 1 Long-term autonomy / Open world planning (5 talks)

Nick Hawes - Planning for long-term autonomy

Daniele Magazzeni - Strategic and Tactical Planning for Persistent Autonomy

Manuela Veloso - Persistent, Instructable, Interruptible, Transparent Autonomy

Matthias Scheutz - Planning for Open-ended Missions

Reid Simmons - Planning with Incomplete models

Lunch

13:30 - 15:10 Position Statement Session 2 Knowledge Representation and Reasoning in Planning (5 talks)

Michael Beetz - Robot Planning for the mastery of human-scale everyday manipulation tasks

Susan Epstein - Spatial Affordance for Collaborative Navigation

Lars Kunze - Explainable Robotics

Ron Petrick - Knowledge-level planning for HRI

Mak Roberts - Goal Reasoning for Robotics

Break

15:40 - 17:10 Position Statement Session 3 Challenges in Industrial, Logistics & Consumer Robotics (3 talks)

Martin Deavies - Teach Once Logistics Perspective

Amit Kumar Pandey - Some practical issues for social consumer robots: an industrial perspective

Erez Karpas - Cognitive Robotics on the Factory Floor

Break + Dinner

Tuesday 17

8:30 - 10:10 Position Statement Session 4 Human-Robot Planning (5 talks)

Rachid Alami - Towards the development of Human-aware planning abilities

Daniele Nardi - Symbiotic Human Robot Planning

Luca Iocchi - Conditional Planning for HRI

Laura Hiatt - Flexible Planning for HRI

Alberto Finzi - Flexible Execution of Human-Robot Collaborative Plans: a cognitive control approach

Break

10:30 - 12:10 Position Statement Session 5 Planning and Execution (5 talks)

Gal Kaminka - Rethinking Computational Investments in Planning and Execution

Niemueller & Lakemeyer - Towards an Integrated Approach to Planning & Execution

Joachim Hertzberg - Plan-based Robot Control

Michael Cashmore - Integrating Planning with ROS

Lenka Mudrova - Temporal Planning for Execution

Lunch

13:30 - 15:10 Position Statement Session 6 Task & Motion Planning / Hybrid planners (3 talks)
Siddarth Srivastava - On the shoulder of giants: the case of modular integration of discrete planners and continuous planners for robotics
Hector Geffner - Combined Task and Motion Planning is Classical Planning
Enrico Scala - Effective Hybrid Planners for robotics

Break

15:40 - 17:10 Position Statement Session 7 Reliable and Safe Planning for Robotics (3 talks)
Michael Hofbaur - Safety Reconsidered - planning for safe human-robot collaboration
AndreA Orlandini - How much reliable are plan-based controllers for autonomous robots?
Bruno Lacerda - Probabilistic Planning for Mobile Robots with Formal Guarantees

Break + Dinner

Wednesday 18

8:30 - 10:10 Position Statement Session 8 Technological Issues in Robot planning/Multi-robot Planning (5 talks)
Ronen Brafman - Plug&Play Autonomous Robots
Roman Barták - Towards Autonomous Robots via Technology Integration
Elizabeth Sklar - Data-backed Decision Making in Human-Robot Teams
Sven Koenig - Multi-Robot Planning with Spatial and Temporal Constraints
Simon Parsons - Multirobot coordination

Break

10:30 - 12:10 Miscellaneous session 1 (funding & projets)
Lunch
Hiking - Excursion

Thursday 19

8:30 - 10:30 Synthesis session 1
Break
11:00 - 12:10 Panel 1
Lunch
13:30 - 15:30 Synthesis session 2
Break
16:00 - 17:30 Panel 2
Break + Dinner

Friday 20

8:30 - 10:30 Miscellaneous session 2 (follow-up publications)
Break
11:00 - 12:10 Wrap-up and closing session
Lunch
13:00 End of the seminar