

Schedule

Meetings generally take place in the New Building, Saarbrücken Hall.

Monday October 5

09:00 Introduction
09:10 Overview Presentation (Sidd)
09:30 5-minute impromptu question-raising talks
Result: list of questions to be discussed during this Seminar
10:00 Coffee Break
12:15 Lunch
14:00 5-minute impromptu question-raising talks
15:30 Coffee Break
16:00 5-minute impromptu question-raising talks
18:00 Dinner

Topics

1. Is there a master algorithm or are there infinitely many algorithms that solve specialized problems? Can we decompose MMUU into I/O boxes? If so, what would these be?
2. Do we prefer rare-feedback / strong-model or frequent-feedback / weak-model approaches? Is there a sweet spot in between? Is this the way to think about underactuated hands?
3. What are useful perceptual representations for manipulation? What should be the relationship between perception and action? What kind of perception is required for reactive systems, planning systems, etc.?
4. How do we do deformable-object manipulation? What planning methods, what types of models are appropriate?
5. How should we be benchmarking manipulation? What kind of objects; what kind of tasks?
6. How should humans and robots collaborate on manipulation tasks? This question includes humans collaborating with autonomous robots as well as partially-autonomous robots acting under human command.

Tuesday October 6

09:00 Topic 1: Breakout groups
10:00 Coffee Break
11:00 Topic 1: Plenary
12:15 Lunch
14:00 Topic 3: Breakout groups
15:30 Coffee Break
16:30 Topic 3: Plenary
18:00 Dinner

Wednesday October 7

09:00 Topic 5: Breakout groups
10:00 Coffee Break
11:30 Topic 5: Plenary
12:15 Lunch
14:00 Technical Talk: Sidd
15:30 Coffee Break
16:30 Technical Talk: Francisco
18:00 Dinner

Thursday October 8

09:00 Technical Talk: Matt
10:00 Coffee Break
11:00 Technical Talk: Leslie
12:00 Group Photo at chapel stairs
12:15 Lunch
14:00 Departure for Trier Excursion or Hiking
18:00 Dinner (for hikers)

Friday October 9

09:00 Wrap-Up (tbd)
10:00 Coffee Break
12:15 Lunch