

From Observations to Prediction of Movement

July 9 – 14, 2017,
Dagstuhl Seminar 17282

<http://www.dagstuhl.de/17282>

Organizers:

[Somayeh Dodge](#) (University of Minnesota – Minneapolis, US)

[Brittany Terese Fasy](#) (Montana State University – Bozeman, US)

[Richard Philip Mann](#) (University of Leeds, GB)

[Mark Birkin](#) (University of Leeds, GB)

Seminar Schedule

Sunday	9 July 2017	
	15:00 – 19:00	Arrival and Check in
	18:00	Dinner
Monday	10 July 2017	
	07:30 – 08:45	Breakfast
		Chairs: Richard Mann and Somayeh Dodge
	09:00 – 10.00	Opening / Welcome / Introductions
	10.15 – 11.00	Title: Using Prediction to Explore the Mechanisms and Consequences of Social Life <i>Damien Farine (Universität Konstanz, DE)</i>
	11.15 – 12.00	Title: The Moving Across Places Study (MAPS): Public Transit, Physical Activity and Walking Route Choice <i>Harvey Miller (The Ohio State University, US)</i>
	12:15 – 13:30	Lunch
		Chair: Brittany Fasy
	13:30 – 14:15	Title: On Language for Observing and Predicting <i>Jack Snoeyink (NSF – Arlington, US)</i>
	14:30 – 15:15	Group formation
	15:30 – 16:00	Coffee and cake break
		Chair: Brittany Fasy
	16:00 – 17:30	Group discussions
	18:00	Dinner
Tuesday	11 July 2017	
	07:30-08:45	Breakfast
		Chair: Mark Birkin
	09:00 – 09:45	Title: TBD <i>Kamran Safi (MPI für Ornithologie – Radolfzell, DE)</i>
	10:00 – 10:45	Title: The Propensity to Cycle Tool: from conception in the clouds to conception on the ground <i>Robin Lovelace (University of Leeds, GB)</i>
	10:45 – 12:00	Breakout Group Discussions
	12:15 – 13:30	Lunch

Tuesday	11 July 2017	
		Chair: Richard Mann
	13:30 – 14:15	Title: TBD <i>Zena Wood (University of Greenwich, GB)</i>
	14:15 – 15:30	Group reports or re-formation if needed
	15:30 – 16:00	Coffee and cake break
	16:00 – 18:00	Breakout Group Discussions
	18:00	Dinner
Wednesday	12 July 2017	
	07:30-08:45	Breakfast
		Chair: Somayeh Dodge
	09:00-09:45	Calibrating Agent-based Models over multiple scales of behavior <i>Sean Ahearn (City University of New York, US)</i>
	10:00-10:45	Analysing and Predicting Movement - A Computational Geometry Perspective <i>Maike Buchin (TU Eindhoven, NL)</i>
	12:15 – 13:30	Lunch
	14:00 – 15:30	Breakout Group Discussions
	15:30 – 16:00	Coffee and cake break
	16:00 – 17:30	Group report back
	18:00	Dinner
Thursday	13 July 2017	
	07:30-08:45	Breakfast
		Chair: Brittany Fasy
	09:00-09:45	Title: TBD <i>Rob Holbrook (University of Leeds, GB)</i>
	10:10 – 10:30	Title: Using time geography to model movement in three physical dimensions <i>Urška Demsar (University of St Andrews, GB)</i>
	10:30 – 12:00	Fish Bowl Discussion
	12:15 – 13:30	Lunch
	14:00 -	Outing
	18:00	Dinner
Friday	14 July 2017	
		Chair: Richard Mann
	07:30-08:45	Breakfast
	9:00 – 10:00	Groups report back
	10:00 – 11:00	Conclusion and closing remarks
	12:15 – 13:30	Lunch