Schedule for Dagstuhl Seminar on Specification Engineering (Sept 22-25)

Day 1: Monday, September 22

9:00-10:30	Opening remarks Self-introductions
10:30-10:45	Coffee break
10:45-12:00	Pamela Zave, "No more garbage in: Validating formal models" Allison Sullivan, "Live Programming for Specs"
12:15-14:00	Lunch
14:00-15:30	Matthew Dwyer, "ML for Specifications for ML" Jyotirmoy Deshmukh, "Specifications for Multi-Agent/Agentic Systems" Federico Mora, "Specification engineering for neuro-symbolic programming and vice versa"
15:30-16:00	Coffee break
16:00-17:00	Shahar Maoz, "Specification engineering: notes on usability" Alcino Cunha, "Helping students learn formal specification"
18:00-19:00	Dinner

Day 2: Tuesday, September 23

9:00-10:30	Mike Whalen, "Specification in the Large at Amazon Web Services" Mauricio Castillo-Effen, "Formal Specification Generation as Information Transformation" Benoit Combemale, "Abstraction Engineering" Breakout introduction
10:30-10:45	Coffee break
10:45-12:00	Breakout session #1
12:15-14:00	Lunch
14:00-15:30	Breakout session #1 continued
15:30-16:00	Coffee break
16:00-17:00	Reports on breakout
17:00-18:00	**Lightning talks:** Harold Thimbleby, "Retrospective specification": Understanding system failure, with applications to litigation" Katie Stolee, "Comparative Comprehension" Pamela Zave, "Precision in formal modeling: Why we need it, and how to get it"
18:00-19:00	Dinner

Day 3: Wednesday, September 24

9:00-10:30	**Lightning talks:** Taylor Johnson, "Let's Verify ChatGPT: What Would We Verify & How Could We Get There?" Daniel Neider & Rômulo Meira-Góes, "Learning LTL Specifications from Demonstrations (with Uncertainty)" Pamela Zave, "The CNA Model of Network Architecture" Breakout reshuffle
10:30-10:45	Coffee break
10:45-12:00	Group Discussion: What is a specification?
12:15-14:00	Lunch
14:00-15:00	**Lightning talks:** Mike Whalen, "Multi-scale verification: how do we connect the dots?" Reiner Hähnle, "Context-aware Trace Contracts" Shahar Maoz, "Exploring development methods for reactive synthesis specifications"
17:00-21:00	Dinner at Landgasthof Paulus

Day 4: Thursday, September 25

9:00-10:30	**Lightning talks:** Ekaterina Komendantskaya, "Verification of neuro-symbolic code" Yi Li, "Specification Reverse Engineering for Decentralized Applications" Phil Palanque, "Task Models as a Mean to Identify and Justify Automations in Software Programming Tasks (TBC)"
10:30-10:45	Coffee break
10:45-12:00	Breakout session #2
12:15-14:00	Lunch
14:00-15:00	Breakout session #2 continued
15:00-15:30	CAKE
15:30-16:00	**Reports on breakout** Jan O. Ringert: Summary and Bias of Notes
16:00-17:00	**Lightning talks:** Harold Thimbleby, The bits I missed (demos, improving the tool) but including the important challenge "Not just specifications etc — but professionalism" (how do we specify the competent professionals?) Jyo Deshmukh, Conformal Prediction for Probabilistic Guarantees
18:00-19:00	Dinner

Day 5: Friday, September 26

9:00-10:30	Wrap up Brainstorm for position paper
10:30-	Departure