Planning Dagstuhl Seminar.

Monday April 27
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09:00: Welcome by the organisers
09:15: Tutorial on Probabilistic Programming Languages
       Angelika Kimmig
10:45: Coffee break
11:15: Domain-specific Probabilistic Programming Languages
       Vikash Mansinghka
       TBA
       Michael Carbin
12:15: Lunch
14:00: Tutorial on Probabilistic Programming in Machine Learning
       Frank Wood and David Tolpin
15:30: Coffee break
16:00: Schema-based Probabilistic Programming
       Andy Gordon
       Design and Implementation of Figaro
       Avi Pfeffer
17:00: Short (10 minute talks) and open problems

18:00: Dinner

Tuesday April 28
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09:00: Quantitative Information Flow
       Geoffrey Smith
09:30: Tutorial on Probabilistic Programs in Security
       Piotr Mardziel
10:45: Coffee break
11:15: Equivalences for Probabilistic Programming Languages
       Ugo Dal Lago
       Rational Protection Against Timing Attacks
       Boris Köpf
12:15: Lunch
14:00: Dual Abstractions of Hidden Markov Models
   Tahiry Rabehaja
   Security and Privacy
   Catuscia Palamidessi
   TBA
   Gilles Barthe
15:30: Coffee break
16:00: Dyna
   Jason Eisner
17:00: Short (5-10 minute talks) and open problems:
   Marco Gaboardi
   Catuscia Palamidessi
   Geoffrey Smith
18:00: Dinner

Wednesday April 29

09:00: Tutorial on Probabilistic Programming in Machine Learning
   Frank Wood
10:30: Coffee break
11:00: On Hardness of Almost-Sure Termination
   Benjamin Kaminski
   Termination of Probabilistic Programs
   Luis Ferrer Fioriti
12:15: Picture in front of the Dagstuhl chapel
12:20: Lunch
13:45: Computability of Conditioning
   Cameron Freer
   Conditioning in Probabilistic Programs
   Friedrich Gretz
   Conditioning by Lazy Partial Evaluation
   Chung-chieh Shan
   Domain-specific Probabilistic Programming Languages
   Vikash Mansinghka
15:45: Coffee break
16:15: Three tokens suffice
   Joel Ouaknine
Polynomial Quantitative Loop Invariants by Lagrange Interpolation
Lijun Zhang
17:15: Short (5-10 minute talks) and open problems
Andreas Stuhlmüller
Johannes Hölzl
Stefan Kiefer
Benjamin Kaminski

18:00: Dinner

Thursday April 30
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09:00 Probabilistic Programs in Quantum Computing
Mingsheng Ying
Topological Quantum Computing
Alessandra di Pierro
NetKAT
Alexandra Silva

10:45: Coffee break

11:15: Types and Modules for Probabilistic Models
Norman Ramsey
Wolfe: Declarative Machine Learning using Functional
Probabilistic Programming
Sameer Singh

12:15: Lunch (End of the workshop).