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

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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
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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
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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).