Dagstuhl Seminar 19202
Approaches and Applications of Inductive Programming
May 12 – 17 2018
https://www.dagstuhl.de/en/program/calendar/semhp/?semnr=19202

Organizers:
• Luc De Raedt (KU Leuven, BE)
• Richard Evans (DeepMind – London, GB)
• Stephen H. Muggleton (Imperial College London, GB)
• Ute Schmid (Universität Bamberg, DE)

Tentative Schedule

Monday, May 13

09:00-10:30 Welcome – Organizers
Short Introduction – Participants

10:30-11:00 Coffee Break

11:00-12:00 Introduction to IP
Ute Schmid: Inductive Functional Programming
Stephen Muggleton: Inductive Logic Programming
Luc De Raedt: Probabilistic ILP

12:15-13:30 Lunch Break

13:30-15:30 Walk and Talk

15:30-16:00 Coffee Break

16:00-16:30 Richard Evans: Unsupervised program synthesis

16:30-18:00 Short talks (15 min)
Jose Hernandez Orallo
Eli Bingham
Maurice Chandoo
Mark Law

18:00–19:00 Dinner

Tuesday, May 14

09:00-10:00 Setting up discussion groups

10:00-10:30 Coffee Break

10:30-12:15 Discussion Group Meetings

12:15-13:30 Lunch

13:30-14:30 Reports from discussion groups
14:30-15:30 Short Talks (15 min)
   Lidia Contreras-Ochando
   Andrew Cropper
   Celine Hocquette

15:30-16:00 Coffee Break

16:00-17:30 Short Talks (15 min)
   Amit Dhurandhar
   Cesar Ferri Ramirez
   Elena Glassman
   Ute Schmid

17:30-18:00 Continuation of Discussion Groups

18:00-19:00 Dinner

**Wednesday, May 15**

09:00-10:30 Short Talks (15 min)
   Luc De Raedt
   Gust Verbruggen
   Elena Glassman
   Kevin Ellis
   Mark Law

10:30-11:00 Coffee Break

11:00-12:15 Demos
   Céline Hocquette and Stassa Patsantzis
   Richard Evans
   Tomas Kliegr
   Maurice Chandoo

12:15-13:30 Lunch

13:30-.... Excursion

**Thursday, May 16**

09:00-10:00 Continuation of Discussion Groups

10:00-10:30 Coffee Break

10:30-12:15 Short Talks/tba

12:15-13:30 Lunch

13:30-15:30 Short Talks/tba

15:30-16:00 Coffee Break

16:00-18:00 Continuation of Discussion Groups
18:00-19:00 Dinner

Friday, May 17

09:00-10:30 Summary discussion, evaluation, action points

10:30-11:00 Coffee Break

11:00-12:15 establishing collaborations

Please note:

• For the introductory round 1-2 slides should be prepared: Each participant gives her/his personal background and main research interests.
• Talks are 15 minutes (+ 5 min of questions) if not noted otherwise. Length of demos can vary.
• Please avoid conference-style talks -- these tend to provide more answers than questions. Bring questions, show current ideas and insights, not all the details (which are better discussed personally by the few people who are really interested).
• Some technical advice: sometimes people's laptop use a much too high resolution when connected to the Dagstuhl projectors. As a result the projector does not produce an image and time is wasted in the chaos that ensues. The best resolution is 1024x768 pixels. Try out your laptop before your talk, or use a memory stick and the computer that is provided in the lecture hall.
• We encourage you to check out the inductive programming website and to give us your input (people, systems, papers, events) to bring the page up to date: http://www.inductive-programming.org/