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

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

10:00-10:30 Coffee Break

10:30-12:00 Introduction to IP
Ute Schmid: Inductive Functional Programming
Stephen Muggleton: Inductive Logic Programming
Luc De Raedt: Probabilistic ILP

12:15-13:30 Lunch Break

13:30-14:00 Richard Evans: Unsupervised program synthesis

14:00-15:30 Short talks (15 min)
Jose Hernandez Orallo
Eli Bingham
Maurice Chandoo

15:30-16:00 Coffee Break

16:00-17:30 Walk and Talk

18:00–19:00 Dinner

Tuesday, May 14

09:00-10:00 Short Talks (15 min)
Mark Law
Ruzica Piskac

10:15-10:45 Coffee Break
10:45-12:15 Short Talks (15 min)  
Lidia Contreras-Ochando  
Andrew Cropper  
Celine Hocquette  
Amit Dhurandhar

12:15-13:30 Lunch

13:30-14:30 Break

14:30-15:00 Setting up discussion groups

15:00-15:30 Demo by Mark and Ruzica

15:30 Photo

15:30-16:00 Coffee Break

16:00-17:15 Discussion Group Meetings

17:15-18:00 Reports from discussion groups (Armando, Stephen, Richard)

18:00-19:00 Dinner

**Wednesday, May 15**

09:00-09:15 Report from discussion group (Jose)

09:15-10:30 Short Talks (15 min)  
Armando Solar-Lezama  
Cesar Ferri Ramirez  
Gust Verbruggen

10:30-11:00 Coffee Break

11:00-11:45 Talk  
Kevin Ellis

11:45-12:15 Demos  
Lidia Contreras-Ochando  
Tomas Kliegr  
Maurice Chandoo

12:15-13:30 Lunch

13:30-21:00 Excursion
Thursday, May 16

09:00-10:00 Short Talks
   Luc De Raedt
   Ivan Bratko

10:00-10:30 Coffee Break

10:30-10:45 Andrew Cropper
10:45-12:00 Continuation of Discussion Groups

12:15-13:30 Lunch

14:00-15:30 Short Talks
   Elena Glassman
   Mark Law
   Ute Schmid
   Demos
   Stassa Patsantzis
   Richard Evans

15:30-16:00 Coffee Break

16:00-18:00 Continuation of Discussion Groups

18:00-19:00 Dinner

Friday, May 17

09:00-09:30 Talk: Fürnkranz

09:30-10:30 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/](http://www.inductive-programming.org/)