

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/>