

Report on the SICSA sponsored event: Scottish Theorem Proving Seminar 2017

The School of Computing Science hosted the first seminar Scottish Theorem Proving of the year on 19 April, organised by Oana Andrei and Alice Miller. Theorem proving research is notably strong in Scottish universities, with active groups and researchers in at least six departments. The Scottish Theorem Proving Seminar series provide an annual or biannual venue for communication and sharing of ideas by all these researchers. As well as theorem proving, other related fields are also represented, e.g. model checking and other approaches of formal reasoning.

This year we celebrate 20 years of Scottish Theorem Proving seminars (over 40 events). This was a great opportunity for the School of Computing Science to host the first seminar of 2017 to join the on-going celebration of the 60th anniversary of Computing in Glasgow.

The STP seminar comprised four talks: an invited talk given by Tom Melham (University of Oxford), a previous professor in the school and one of the originators of the STP series, on "Effective Validation of Low-Level Firmware", a talk by Yue Li (Heriot-Watt University) on "Productive Corecursion in Logic Programming", another talk by Chris Warburton (University of Dundee) on "Quantitative Benchmarks for Theory Exploration", and, lastly, a talk by Oana Andrei (University of Glasgow) on "Machine Learning and Probabilistic Model Checking for Interactive Systems".

The event was a success with over 20 people attending. All of the talks were well-received and led to lively discussion. The 20th birthday was celebrated with a specially ordered SICSA funded birthday cake. Details about the workshop can be found here: <http://www.dcs.gla.ac.uk/~oandrei/STP17/>.

