

Report on the use of money from the Storrs Fund

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September 29, 2011

From 22 to 27 August 2011 I attended the Second International Conference on Interactive Theorem Proving (ITP 2011) in Berg en Dal, The Netherlands. ITP is the modern incarnation of the long-running TPHOLs (Theorem Proving in Higher Order Logics) conference series. It is the primary venue for publication of research on the use and development of mechanical proof assistants. This year I presented joint work (with Tjark Weber) on reconstructing automatically-generated proofs of invalidity for quantified boolean formulae in an interactive theorem prover. I also attended the associated workshops, and had many useful discussions with members of the community including Michael Norrish who supervised my undergraduate Honours thesis.

Costs for the trip come in four categories: travel (€151), accommodation (€372), registration (€350), and daily activities (transport and meals, €154.20). In total, that is €1027.20, which buys approximately £894. I was generously offered £500 from the Storrs Fund to help me finance the trip. The remaining balance will be paid from a research grant held by my supervisor, Mike Gordon, and from personal funds.