One of the objectives of the Doctoral Training Centre is to go beyond the traditional PhD training by organising additional conferences, summer schools and workshops. With this aim in mind a weekend meeting under the title 'Quantum Magnetism in Condensed Matter Physics' was organised at the end of the academic year 2009-2010. The workshop was designed to give the students both an overview of the current research efforts as well as a chance to meet and reflect on the past year and discuss with some members of the DTC Management Group.

The weekend took place from Friday 30th April to Sunday 2nd May in the surroundings of the Burn estate, a Goodenough Trust establishment made available to university groups for study and meetings and subsidised through the Russell Trust. Five talks were given during the weekend, leaving ample time for discussions. The speakers were particularly asked to spend a significant part of their time introducing a problem of their current research at PhD level for the benefit of the DTC students. The format was very successful with each of the sessions stimulating a wide range of discussions that extended well beyond the intended time.

The general success of the weekend was to a large extent due to the unique environment the Burn House provides. Possible activities outside the framework of organised meetings include beautiful walks on the grounds of the estate, croquet and football fields, playing chess or just discussing in front of the fire place. The particular surrounding of the Burn was not only an ideal setting for encouraging further discussion on the topics of the talks but also lead to some new ideas for future research as well as discussions on possible collaborations and plans for future DTC events such as the upcoming summer school with inputs from both students and members of staff.

Overall the weekend was seen by everybody as having been very successful in combining the aim of being a scientific workshop for the students as well as discussing existing and developing new collaborations and projects within the DTC. The response was so positive that a similar workshop is planned for the end of the next academic year from 26th to 28th April 2011.
Summary

Place: The Burn, Edzell
Date: April 30th 2010 – May 2nd 2010
Participants:

External Speaker: Dr Jonathan Keeling (Cambridge)
Internal Speakers:
- Dr Felix Baumberger (St Andrews)
- Dr Andrew Green (St Andrews)
- Dr Chris Hooley (St Andrews)
- Dr Edward Yelland (Edinburgh / St Andrews)

DTC Participants:
- Prof Ian Galbraith (Heriot-Watt University)
- Prof Andy Mackenzie (St Andrews)
  - Jack Barraclough (St Andrews)
  - Felicitas Beichert (St Andrews)
  - Edmund Bennett (St Andrews)
  - Matthew Edmonds (Heriot-Watt)
  - Giovanni Fusco (Heriot-Watt)
  - Iain Langley (St Andrews)

Further PhD students:
- Milan Allan (St Andrews)
- Jan Bruin (St Andrews)
- Sebastian Gattenlöhner (Heriot-Watt)
- Alexandra Gibbs (St Andrews)
- Una Karahasanovic (St Andrews)
- Emil Rozbicki (St Andrews)
- Demian Slobinsky (St Andrews)

Further Staff:
- Dr Clifford Hicks (St Andrews)
- Dr Phil King (St Andrews)
- Dr Worawat Meevasana (St Andrews)
- Dr Andreas Rost (St Andrews)
- Dr Anna Tamai (St Andrews)

Programme:

Friday Afternoon: Arrival
Evening: Talk 1 – Dr Felix Baumberger
          Talk 2 – Dr Chris Hooley
Saturday Morning: Talk 3 – Dr Jonathan Keeling
Afternoon: Walk
Evening: Talk 4 – Dr Edward Yelland
          Talk 5 – Dr Andrew Green
Sunday Morning: General Discussion on future research
Lunch time: Departure