

GRADnet

The largest physics postgraduate
research school in England

SEPnet

South East Physics Network **GRADnet**

WELCOME TO GRADnet



GRADnet is the largest physics postgraduate research school in England with a vision to train the world's best physicists.

GRADnet brings together the research strengths of nine leading south east University Physics Departments that make up the SEPnet consortium.

GRADnet works closely with employers to offer a coordinated and bespoke skills training programme for students designed to meet the needs of students, employers and university research groups alike.

Above and front cover: PhD students working on quantum physics experiments.
Back cover: Dark Energy Survey, Dark Energy Camera, Cerro Tololo Observatory, Chile

GRADnet FOR STUDENTS

technical support to help you complete your MSc / PhD / EngD;

broad-based professional skills training to enhance your future career chances;

graduate schools to expand your horizons and to see how to make the most of your studies;

experiential placements and mentoring programmes to engage with potential employers;

schemes that **reach out** to the wider community and augment your CV;

opportunities to engage in training delivery and help students coming through behind you;

and **routes to extend your funding**.



Water rockets BBQ at the NPL GRADnet Summer School

GRADnet FOR EMPLOYERS

access to the highest calibre **MSc, PhD and EngD students** as potential recruits;

access to a **student talent pool** to help solve problems through:

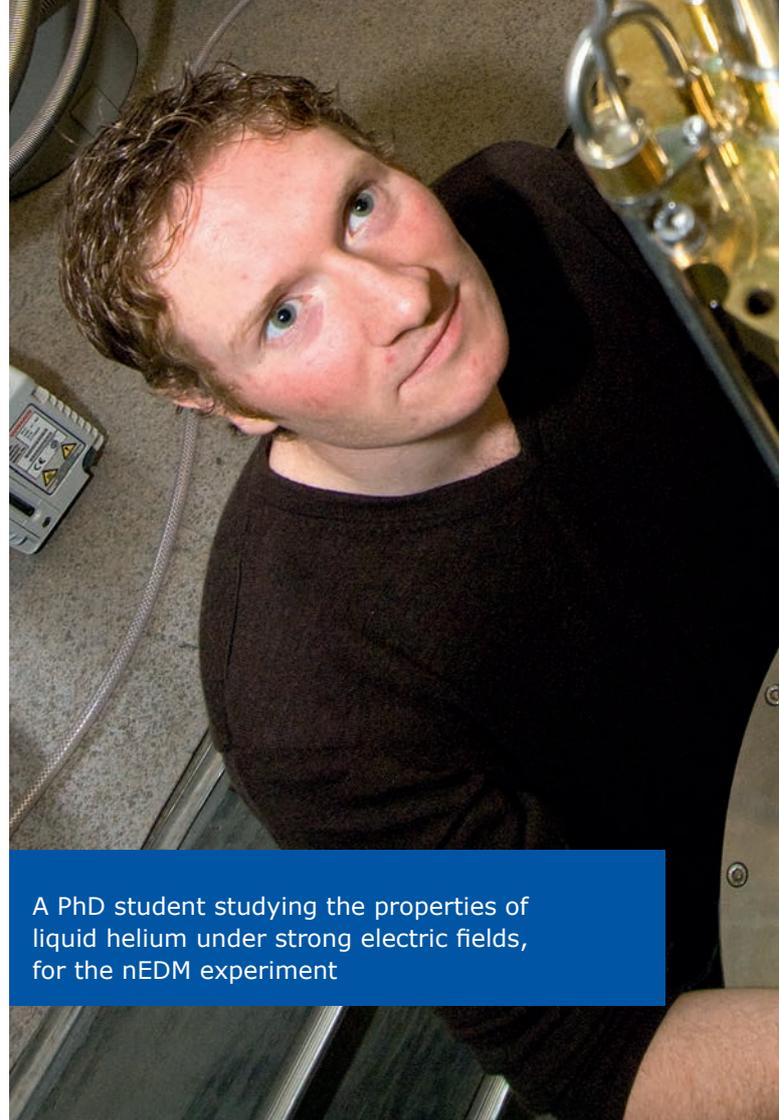
- **placement schemes**
- **employer buddy schemes**
- **workshops and graduate schools**
- **networking events;**

opportunities to **influence** training and propose projects;

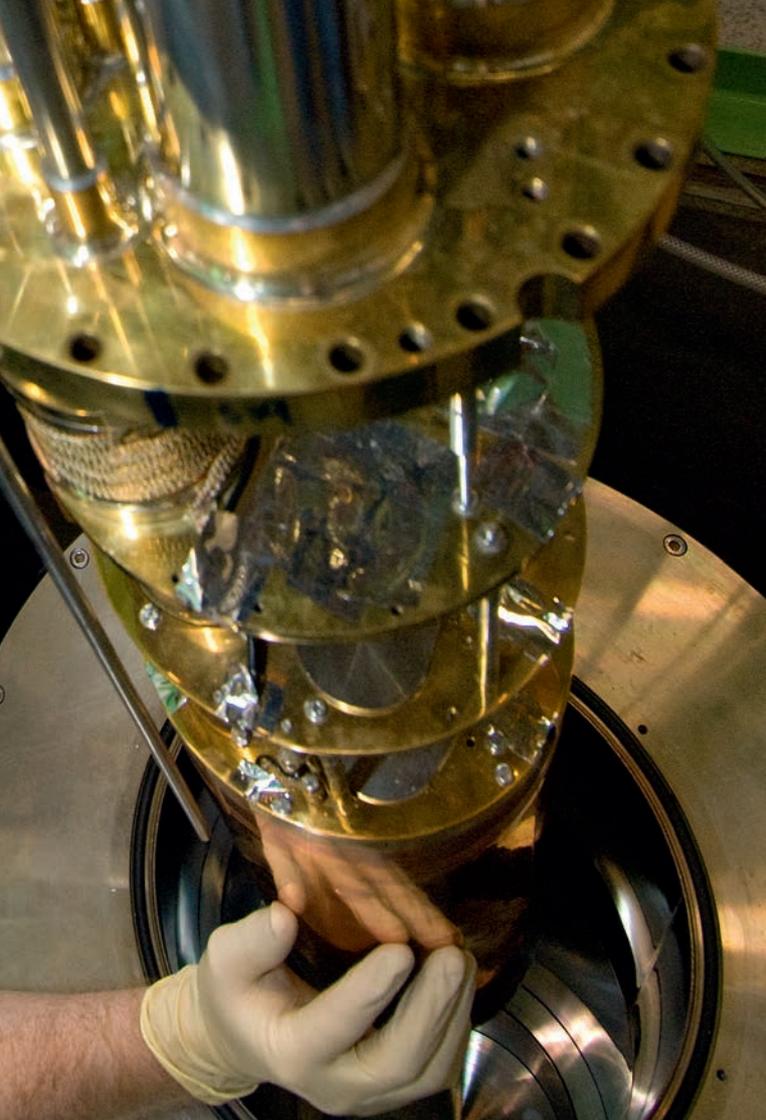
opportunities to **expand your own CV** through teaching and mentoring;

opportunities for **continuing professional development** of your staff;

opportunities to **collaborate in cutting-edge research projects.**



A PhD student studying the properties of liquid helium under strong electric fields, for the nEDM experiment



GRADnet FOR UNIVERSITIES

improved skills and academic training options;

levered postgraduate **funding opportunities;**

routes to **impact delivery;**

opportunities for **new research collaborations and industry engagement;**

dedicated GRADnet directorate.

GRADnet TRAINING COURSES

GRADnet training courses are offered across SEPnet to meet the needs of researchers in universities and industry alike. Courses are of variable length and are designed and delivered in a wide variety of formats including lecture-based, laboratory-based, video-conferenced and self-study video-recorded sessions.

Courses are offered in advanced scientific theory and practice, experimental method, state-of-the-art numerical / computing techniques and professional skills development.

The full course offering is available through the training pages of the GRADnet virtual research environment. Employers looking to participate in courses for Continuing Professional Development should contact the GRADnet Administrator.

GRADnet RESIDENTIAL SCHOOLS

GRADnet postgraduate Summer and Winter schools are an opportunity to develop and apply research skills obtained during the doctoral studies to real world situations while developing wider employability skills and learning directly from employers.

These four-day residential workshops are hosted by major regional employers and feature strong employer engagement in the development and delivery of the schools.

Employers looking to participate in schools either as hosts or as trainers should contact the GRADnet Administrator.

GRADnet E-BUDDIES AND PLACEMENTS

GRADnet offers a range of schemes to put students in contact with employers, ranging from e-buddies, through recruitment events to placement schemes lasting anywhere from 1 day to 3 months.

GRADnet RESEARCH PROJECTS

GRADnet facilitates putting employers in contact with appropriate research groups and students to engage in research projects from quick 'Look-see studies' through to fully funded 3 or 4 year PhDs and EngDs.



Graduate School students getting to grips with pattern recognition algorithms

For information about postgraduate research projects, physics and professional skills courses, graduate schools and workshops and employer networking events, contact: gradnetadmin@sepnet.ac.uk
Telephone: 01483 682270 or visit: www.sepnet.ac.uk and www.sepnet.ac.uk/vre
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Reidar Hahn

SEPnet

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