What’s in it for you?

- Physics courses from experts across the network, many video conferenced.
- Technical user groups, online resources and discussion boards
- Professional & Employability skills training
- Employer Engagement Opportunities
- Opportunities to expand your network
- Your chance to get involved and build your CV!
- Everything will be on the Virtual Research Environment
Physics Courses: Video Conference (Mon 10-12; Fri 2-4)

- Data Languages
- Maths methods
- Neutron and X-ray scattering
- Nano-Materials
- Optical Characterisation
- x-ray absorption spectroscopy
- Theoretical Cosmology
- Advanced band structure theory
- Soft matter theory
- Soft Matter Tools
- Theory of electro-magnetic interactions with matter
- General Relativity
- Hadron Collider Physics

- High Performance Computing
- Microscopy methods
- Galaxies
- Models of stellar populations
- Astronomy/Cosmology Outreach
- Observational Cosmology

Working together to promote excellence in Physics
<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Monday 10:00-12:00</th>
<th>Lecturer</th>
<th>Location</th>
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<td>10.00-12.00</td>
<td>Soft Matter Tools</td>
<td>Alan Dalton</td>
<td>Surrey</td>
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<td>Stats I - 1 hour only</td>
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<td>Algebraic Computing using Maple</td>
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<td>Marian Florescu</td>
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<td>Working with Workshops</td>
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<td>Laser Users</td>
<td>Marco Peccianti</td>
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<td>Stats II - 1 hour only</td>
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User Groups and Discussion Boards

- Stats I & Stats II
- LaTeX
- Matlab
- Python
- Algebraic Computing using Maple
- Low temperature user group
- Laser user group
- Electronics support
- Working with Workshops
- Ethics
- Marking & Assessment for PG Demonstrators
Professional and Employability Skills Training

- Online resources
- 1 or 2 Day Intensive workshops
  - Effective Physics Researcher
    (1st years, two days Dec 15 Soton and TBC Jan)
  - Women in Physics Day (March, 2015)
  - Back to Your Future (3rd year & beyond, April 2015)
  - Weekend Writing Retreat (those writing, June 2015)
- Residential Schools
  - 4 day Culham Winter School (2-5th Feb)
  - 3 day IBM Summer School (6-8th July)
- Meet the Employers Networking Events
  - RHUL April 2015
  - Soton Sept 2015
Student-led Learning: “I Wish I had known”

- Student created, facilitated by the OU.
- Call for proposals August 2014
  - Student oriented
  - Student teaching-prep and delivery experience
- 8 Proposals have been accepted. Results out soon!
- Another call will go our beginning of 2015😊
GRADnet Summer School: NPL June 2014

- 71 Postgraduate Researchers, representing all partners

- Employers from Airbus Defence Systems, AWE, Met Office, Pentagon Plastics, Rolls Royce, Selex ES, Starcount, Symetrica and NPL
Summer School Feedback

It was very encouraging to hear people from the various companies explain how a physics PhD can be useful in the "real world".

There is a lot of interesting research going on at the SEPnet institutions.

One feature of the summer school that really made it stand out was the interactive nature of most of the sessions.

I got a chance to think about out of the box.

Being open-minded to any challenge/area of knowledge I’m not that familiar with.

Physicists are actually very sociable!

Employer Feedback: To be able to be involved in this event was a great experience for us and we hope we will be able to take part in more of these schemes in the future.
Meet the Employers Event: QMUL Sept 2014

- ~60 Postgraduate Researchers and Employers
- Networking skills workshop before hand
- Employer panel, speed networking and open networking
- Will rotate around the network. Events at RHUL and Soton in 2015.
Each partner has an Employer Engagement Officer in their University.

Programme will provide

- Insight into careers beyond academia
- Opportunities to build networks
- Develop employability skills (i.e. commercial awareness and entrepreneurship informed by real-world, problem-solving experiences)
- A range of different opportunities to suit different people
Employer Engagement Opportunities

- Short consultancy projects/placements 2-3 weeks (expenses covered)
- Short paid block placements 1-3 months @ £1k per month
- Site visits, tours and work shadowing
- Mentoring for help and advice – one-off or ongoing
- Networking Events
Why employers are interested?

- Access to highest calibre PhDs as potential recruits
- Your strong analytical and mathematical skills
- Your highly developed problem-solving skills and fresh ideas
- Want to influence skills and technical training at universities
- Opportunities to collaborate in cutting-edge research projects
Some organisations interested

- Crowd Connected/Meteorite (start-ups offering placements/consultancy)

- Advanced Magnetic Resonance Limited/Aerospace consultant/Micron Semi-Conductors (mentoring)

- Others interested include: Experian pH, BAE Systems, Amec, CCFE, eOsphere, Good Energy, Winchester Science Centre, Rutherford Appleton Laboratory, Lein Diagnostics, LGC Forensics, Met Office, NPL, Selex ES, Symetrica, Roke Manor, Touch Fantastic, Tranquility Aerospace, Neur, Keit Spectrometers, Echo Group.....
What to do next

• Complete our VERY short PGR survey
  https://www.surveymonkey.com/s/GRADnetPGRSurvey

• Make contact with your SEPnet Employer Engagement Officer for help and support
• For information and links, visit:
  http://www.sepnet.ac.uk/study/GRADnet_Employer_Engagement.html

• For a list of opportunities, visit the www.sepnet.ac.uk/VRE
• For enquiries, contact  veronica.benson@sepnet.ac.uk
The VRE:

www.SEPnet.ac.uk/VRE
Questions? Ideas? Thoughts?

Dawn: d.duke@surrey.ac.uk