

# STFC Introductory School in Astronomy, University of Sussex, 2012

All lectures are in the Fulton Building Lecture Theatre, and all meals are in Bramber House Level 1.

## **Sunday September 2nd**

**18.30** Opening reception, with drinks and dinner (Bramber House Level 1)

## **Monday September 3rd:** Chair Andrew Liddle

**09.00** Registration (Fulton Building foyer)

**09:30** Andrew Liddle (Sussex): Introduction to PhD Study

**10.30** Will Percival (Portsmouth): Survey cosmology

**11.20** *Coffee*

**11.50** Alan Heavens (Imperial): Gravitational lensing

**12.40** End of session

**12.45** *Lunch*

**14.00** Stephen Smartt (Queens Belfast): The transient Universe – current and future surveys

**14.50** *Tea*

**15.20** Practical session:

**15.20** Presentation skills (Andrew Liddle, Sussex)

**15.50** Astronomical software: Topcat (Jon Loveday, Sussex)

**16.10** Astronomical literature (Antony Lewis, Sussex)

**16.30** Q&A with current PhD students Gemma Anderson, Leon Baruah and Will Watson  
(chaired by postdoc Marisa March)

**17.00** End of session

**18.00** *Dinner*

## **Tuesday September 4th:** Chair Robert Smith (morning), Andrew Liddle (afternoon)

**09.20** Andrew Pontzen (Oxford): Simulating the Universe

**10.10** Frederic Pont (Exeter): Extra-solar planets

**11.00** *Coffee*

**11.30** Rob Fender (Southampton): High-energy astrophysics/transient science

**12.20** End of session

**12.30** *Lunch*

**14.00** Darren Baskill (Sussex): Outreach and engagement

**15.30** *Tea*

**16.00** Mat Page (MSSL): Active Galactic Nuclei and Quasars

**16.50** End of session

**18.00** *Dinner*

**19.30 to 21.30** Film showing: “The PhD Movie”, Fulton Lecture Theatre

**Wednesday September 5th:** Chair Robert Smith (morning)

**09.20** David Seery (Sussex) : Particle cosmology

**10.10** Andrew Levan (Warwick): Gamma-ray bursts

**11.00** *Coffee*

**11.30** Lewis Dartnell (UCL): Astrobiology

**12.20** End of session

**12.30** *Lunch*

**14.00** Sports/Hike/Time off

**17.00** End of session

**18.00** *Dinner*

**Thursday September 6th:** Chair Jon Loveday (morning), Seb Oliver (afternoon)

**09.20** Duncan Forgan (Edinburgh): Planet formation theory

**10.10** Meghan Gray (Nottingham): Galaxy evolution and environment

**11.00** *Coffee*

**11.30** Jonathan Nichols (Leicester): Planetary exploration

**12.20** End of session

**12.30** *Lunch*

**14.00** Ross McLure (Edinburgh): High-redshift galaxies

**14.50** *Tea*

**15.20** Kathy Romer (Sussex): Careers session

**17.00** End of session

**18.30** *Conference dinner, Level 3 of Bramber House*

**Friday September 7th:** Chair Andrew Liddle

**09.30** Self-study session

**10.30** *Coffee*

**11.00** Ben Maughan (Bristol): Galaxy clusters

**11.50** Gary Fuller (Manchester): Star formation

**12.40** End of session

**12.45** *Lunch*

**14.00** *Conference ends*