

**Sunday 23rd 6pm – 9pm Welcome Reception buffet with drinks (registration)
Park Plaza Hotel**

Monday 24th Park Plaza Hotel *Chair Haley Gomez*

Time	Title	Speaker
9.30	Welcome & Introduction	Prof Haley Gomez + Dr Steve Fairhurst
10.00	Lecture 1 Latest results from Planck	Prof Andrew Jaffe (Imperial)
11am	Coffee break	
11.30	Lecture 2 Gravitational waves and the sound of black holes colliding	Prof Mark Hannam (Cardiff)
12.30	Lunch	
13.30	Lecture 3 Supernovae and transients with LSST	Dr Mark Sullivan (Southampton)
14.30	Lecture 4 Exoplanets: planned and future instruments	Prof Don Pollaco (Warwick)
15.30	Coffee break and post-it-notes	
16.00	Free time due to evening lecture, reconvene at museum	End

Evening: Public lecture on the [Rosetta Mission](#) – Prof Mark McCaughrean, ESA
6.30-8pm National Museum of Wales (talk starts at 6.30pm)
Free time in City Centre

Tuesday 25th Park Plaza Hotel *Chair Steve Fairhurst*

Time	Coffee on arrival from 8.30-9am	
9.00	Outreach and Communication Activity Lecture - Dr Paul Roche	
10am	Activity - Space Scoop (split into groups A and B) Sarah Eve Roberts, Dr Chris North, Franziska Batten	
11am	Coffee break	
11.30 12.30	Lecture 5 What is a PhD? 4 x short talks by Prof Sarah Bridle + Prof Mark McCaughrean + Miss Olivia Keenan (PhD) + Dr Chris Clark (PDRA) ----- Panel discussion (Chair Prof Sarah Bridle)	
13.00	Buffet Lunch	
14.00	Lecture 6 Cosmology with upcoming optical surveys Prof Sarah Bridle (Manchester)	
15.00	switch venue to Cardiff University, Queens Buildings	
15.30	Introduction to python in astronomy C2.04 Dr Edward Gomez & Andrew Williamson	
17.30		End

Evening: Informal trip to **Urban Tap House** - craft beer, cider, soft drinks and games. Meet at venue at 7pm.

Wednesday 26th Park Plaza Hotel *Chair Chris North*

Time	Title	Speaker
9.00	Lecture 7 Astronomers in the wider world	Dr Annabel Cartwright (Cardiff)
10.00	Lecture 8 Gamma ray bursts	Prof Carole Mundell (Bath)
11am	Coffee break	
11.30	Lecture 9 The Square Kilometre Array	Dr Rosie Bolton (Cambridge)
12.30	Buffet Lunch	
13.30	Excursion (Dr Matt Smith, Franziska Batten)	

Evening: Free time in Cardiff Bay

Thursday 27th Park Plaza Hotel *Chair Steve Fairhurst*

Time	Title	Speaker
9.00	Lecture 10 Mapping the Stars with GAIA	Prof Gerry Gilmore (Cambridge)
10.00	Lecture 11 Statistical Astronomy	Prof Peter Coles (Sussex)
11.00am	Coffee break	
11.30	Lecture 12 The story of star formation	Prof D Ward-Thompson (UCLAN)
12.30	Lunch	
14.00	Lecture 13 Digging the dirt on galaxies: The Herschel Space Observatory	Dr Loretta Dunne (ROE, Edinburgh)
15.00	Coffee break	
15.30	Lecture 14 Molecular and Atomic Studies of Galaxies	Dr Amelie Saintonge (UCL)
16.30pm	End day	

Evening: 6.15pm coach outside Senghenydd Hall
Conference Dinner 6.30pm -10.30pm, Techniquet
 Free time in Cardiff Bay

Friday 28th Park Plaza Hotel *Chair Haley Gomez*

Time	Coffee on arrival from 9.30-10am	Speaker
10.00	Lecture 15 The Cosmic Microwave Background	Prof Jo Dunkley (Oxford)
11.00	Lecture 16 The next generation of gravitational wave instruments	Prof Sheila Rowan (Glasgow)
12.00	Coffee break	
12.30	Lecture 17 Simulating the Universe	Prof Richard Bower (Durham)
1.30pm	Feedback	Prof Haley Gomez
1.45 pm	Buffet Lunch	
2.30pm	End of Conference	

Course leader: Professor Haley Gomez

Local Organising Committee: Dr Stephen Fairhurst (co-chair), Dr Edward Gomez (co-chair), Sarah Eve Roberts, Dr Chris North, Rachael Llewellyn, Andrew Williamson, Dr Chris Clark, Dr Matt Smith, Franziska Batten, Olivia Keenan