

The Most Ancient Heavens at the Royal Astronomical Society, London

Thursday 21st March

10.30 - 11.00 Coffee/Tea

Session Chair: Steve Warren

11.00 - 11.15 **Michele Dougherty** - Head of Physics at Imperial College - Welcome
11.15 - 11.40 **John Peacock** - Climbing favourite peaks with Alan
11.40 - 12.05 **Catherine Heymans** - Cosmic Shear from the Heavens Family Tree
12.05 - 12.30 **Ofer Lahav** - Mapping the Heavens: Inference, Compression and
Machine Learning

12.30 - 13.30 Lunch

Session Chair: Emma Chapman

13.30 - 13.55 **Andrew Jaffe** - Lensing Bayesian Hierarchical Modelling
13.55 - 15.00 *Bitesized Talks: 12 mins each*
Hendrik Hildebrandt - Cosmology from the 9-band KiDS-VIKING Survey
Dan Jones - Photometric redshifts of blended sources
George Kyriacou - Applications of Bayesian inferred redshift distributions
Boris Leistedt - A data-driven model of quasar spectra

15.00 - 15.30 Coffee/Tea

Session Chair: Jonathan Pritchard

15.30 - 15.55 **Sabino Matarrese** - The physics of non-Gaussianity: theory and
observational constraints
15.55 - 16.20 **Elena Sellentin** - Analytical representation of non-Gaussian random
fields
16.20 - 17.15 *Bitesized Talks: 12 mins each*
Alexandra Amon - Lensing without borders
Arianna Renzini - Weak lensing distortions in the Kerr Metric: an
asymmetry in the Heavens
Ben Panter - Blackford Analysis

Evening **Thames Boat Trip**

Friday 22nd March

Session Chair: Andy Taylor

09.30 - 09.55	Tom Kitching - 3D Cosmic Shear
09.55 - 11.00	<i>Bitesized Talks: 12 mins each</i>
	Marika Asgari - Consistent cosmic shear analysis
	Constance Mahony - Weak Lensing Magnification at LSST
	Konrad Kuijken - SNAP-G
	Dipak Munshi - Weak lensing beyond power-spectrum estimation

11.00 - 11.30	Coffee/Tea
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Session Chair: Bob Mann

11.30 - 11.55	Rita Tojeiro - Galaxies and halos and stars and all: doing science the Alan way
11.55 - 12.30	<i>Bitesized Talks: 12 mins each</i>
	Gigi Guzzo - Tracing large-scale structure with galaxies: lessons learned with VIPERS
	Daniele Sorini - Constraining models of galaxy formation with Ly α absorption around halos

12.30 - 13.30	Lunch
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Session Chair: Stefano Camera

13.30 - 13.55	Raul Jimenez - Musings in the Corridor of Uncertainty: the Bayesian "Backstop"
13.55 - 15.00	<i>Bitesized Talks: 12 mins each</i>
	Niall Jeffrey - Deep learning weak lensing maps: a Bayesian perspective
	Florent Leclercq - Likelihood-free inference techniques for cosmology
	Harry Mootoovaloo - Gaussian Process Emulator and Data Compression for Weak Lensing Cosmology
	Daniel Mortlock - Bayesian analysis of astronomical surveys with selection effects

15.00 - 15.30	Coffee/Tea
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Session Chair: Lance Miller

15.30 - 15.55	Licia Verde - Knockin' on Heavens door
15.55 - 16.20	Peter Coles - The Open Journal of Astrophysics
16.20 - 16.45	Klaus Meisenheimer - From ROE coffee time to Tinto Hill — How a Postdoc Peer Became a Friend of our Family
16.45 - 17.00	Steve Warren - Closing Remarks

Evening	Drinks followed by Conference dinner
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