

	Monday (Sept 16)
	<i>CMB, Early Universe & Precision Cosmology</i>
09:00-09:15	Introduction by Roberto Maiolino & George Efstathiou
09:15-09:45	Can LCDM survive another decade: Marc Kamionkowski (R)
09:45-10:15	What is the future of inflationary theory: Andrei Linde (R)
10:15-10:30	Nonlinear dynamics of cosmological fields: Mustafa Amin (C)
10:30-11:00	Coffee break
11:00-11:15	All possible symmetries of cosmological correlators: Enrico Pajer (C)
11:15-11:30	The search for inflationary B-modes: latest results from BICEP/Keck: Clem Pryke (C)
11:30-12:00	Tensions with LCDM: George Efstathiou (R)
12:00-12:15	The Inconsistent Universe: problems with KiDS, or with LambdaCDM?: Benjamin Joachimi (C)
12:15-12:45	POSTER SESSION
12:45-14:00	Lunch
14:00-14:30	Fundamental physics from CMB: next steps: David Spergel (R)
14:30-14:45	Cosmic growth, gravitational waves, and CMB: Eric Linder (C)
14:45-15:05	Update on standard siren science: Daniel Holz (H)
15:05-15:20	Measuring the Hubble constant with a gravitational wave black-hole merger and the Dark Energy Survey: Antonella Palmese (C)
15:20-15:35	Towards a direct measurement of cosmic dynamics: Ryan Cooke (C)
15:35-16:00	Tea break
16:00-16:30	Synergy between next generation CMB and LSS probes of cosmology: Jo Dunkley (R)
16:30-16:50	Pushing to small scales with galaxy and CMB survey cross-correlations: Eric Baxter (H)
16:50-17:05	Baryonic processes from thermal and kinetic SZ: Stefania Amodeo (C)
17:05-17:20	Correlating the CMB to observations of the low z universe with a full forward model: a robust probabilistic analysis based on BOSS and Planck dataset: Guilhem Lavaux (C)
18:00-20:00	Welcome reception
	Tuesday (Sept 17)
	<i>LSS & Precision Cosmology</i>
09:00-09:30	Future of galaxy surveys: Will Percival (R)
09:30-10:00	Emulating the Universe: Hiranya Peiris (R)
10:00-10:15	The BAHAMAS project: emulating the observable Universe: Ian McCarthy (C)
10:15-10:30	Probing cosmology and fundamental physics with counts-in cells: Cora Uhlemann (C)
10:30-11:00	Coffee break
11:00-11:30	Relating galaxies to mass distribution: methods, issues and challenges: Risa Wechsler (R)
11:30-12:00	From cosmological data analysis to fast Bayesian methods and machine learning: Uros Seljak (R)
12:00-12:15	Inflation and dark energy from high redshift surveys: Simone Ferraro (C)
12:15-12:30	Relics of cosmic reionization in the high redshift Lyman-alpha forest and their impact on dark matter constraints: Ewald Puchwein (C)
12:30-14:00	Lunch
14:00-14:15	Fuzzy dark matter form intergalactic medium: Vid Irsic (C)
14:15-14:30	Massive neutrinos and scale-dependent galaxy bias: Sunny Vagnozzi (C)
14:30-15:00	Weak lensing: state-of-the-art and future prospects: Rachel Mandelbaum (R)
15:00-15:20	Cosmology with weak gravitational lensing: challenges and opportunities: Elisa Chisari (H)
15:20-15:35	KiDS-VIKING-450: Cosmic shear tomography with optical+infrared data: Hendrik Hildebrandt (C)
15:35-16:00	Tea break
16:00-16:15	Cosmological parameter constraints from weak gravitational lensing tomography and overlapping redshift-space galaxy clustering: Shahab Joudaki (C)
16:15-16:30	Constraining dark matter models with strong gravitational lensing: Guilia Despali (C)
16:30-16:50	The landscape of galaxy cluster cosmology: Steven Allen (H)
16:50-17:05	Multiwavelength galaxy cluster cosmology with the South Pole Telescope and the Dark Energy Survey: Sebastian Bocquet (C)
17:05-17:20	Quantitatively defining consistent relaxed galaxy cluster samples for precision cosmology with impending surveys: David Barnes (C)
19:00-20:30	Public talk: Martin Rees, Roger Blandford and David Spergel (Lady Mitchell Hall)

	Wednesday (Sept 18)
	<i>Reionization & IGM</i>
09:00-09:30	The quest for cosmic dawn: Richard Ellis (R)
09:30-10:00	Sources of reionization and the changing neutrality of the intergalactic medium: Piero Madau (R)
10:00-10:15	Reionization sources of Lyman continuum photons from quasars and O-stars: Michael Shull (C)
10:15-10:30	Reionization and the thermal history of the IGM: Anson D'Aloisio (C)
10:30-11:00	Coffee break
11:00-11:20	The intergalactic medium as a cosmological probe: Matteo Viel (H)
11:20-11:40	Islands of neutral hydrogen below redshift 5.5: Laura Keating (H)
11:40-12:00	Exploring early galaxies and cosmic structures with Subaru, HST, and ALMA: Masami Ouchi (H)
12:00-12:15	What can galaxies tell us about reionisation?: Charlotte Mason (C)
12:15-12:30	The search for AGN in the epoch of reionisation: Nicolas Laporte (C)
12:30-14:00	Lunch
14:00-14:15	The gas structure and radiation field of the first galaxies: Andrea Pallottini (C)
14:15-14:30	Gaseous cosmological structures and metagalactic ultra-violet background: Avery Meiksin (C)
14:30-14:45	Probing the epoch of reionisation with cross-correlations of high-redshift galaxies and the IGM transmission: Romain Meyer (C)
14:45-15:00	Intensity mapping tomography; methods and application to data: Yi-Kuan Chiang (C)
15:00-15:30	POSTER SESSION
15:30-16:00	Tea break
16:00-16:30	Progress in 21cm hydrogen line measurements of the epoch of reionization and the cosmic dawn: Jacqueline Hewitt (R)
16:30-17:00	Unveiling cosmic dawn: Anastasia Fialkov (R)
17:00-17:20	Cosmic evolution of metals and baryons: Celine Peroux (H)
17:20-17:35	A Bayesian approach to recovering the power spectrum of the epoch of reionization with HERA: Peter Sims (C)
18:45-	Conference drinks (18:45) and dinner (19:30)
	Thursday (Sept 19)
	<i>Galaxies & SMBHs</i>
09:00-09:30	Outstanding problems in galaxy formation: Simon White (R)
09:30-10:00	Evolution of galaxies from $z = 2$ to $z = 0$ from an observational perspective: Reinhard Genzel (R)
10:00-10:15	An ALMA view of galaxies in the epoch of reionisation: Renske Smit (C)
10:15-10:30	Simulating the properties of the first galaxies: insights for Hubble, ALMA, and JWST: Harley Katz (C)
10:30-11:00	Coffee break
11:00-11:30	Future prospects for galaxy formation simulations: Volker Springel (R)
11:30-11:50	The three causes of low-mass halo assembly bias: Andrey Kravtsov (H)
11:50-12:05	The splashback radius as a physical halo boundary: Benedikt Diemer (C)
12:05-12:25	The origin of the golden mass of galaxies and black holes: Avishai Dekel (H)
12:25-14:00	Lunch
14:00-14:30	Key open questions within the landscape of current and future galaxy spectroscopic surveys at high redshift: Alice Shapley (R)
14:30-14:50	Star formation and feedback in the multi-phase ISM: Stefanie Walch (H)
14:50-15:05	The connection between local and global star formation in galaxies: Vadim Semenov (C)
15:05-15:20	Detailed modelling of star formation in a galactic context and its impact on the efficiency of stellar feedback: Matthew Smith (C)
15:20-15:50	Tea break
15:50-16:20	The long term vision of gravitational wave astrophysics: Alberto Sesana (R)
16:20-16:40	The most distant quasars: Xiaohui Fan (H)
16:40-16:55	Evidence for quasar evolution in the first billion years: Sarah Bosman (C)
16:55-17:10	The tale of angular momentum transport in self-gravitating disks: new insights on protogalaxies, massive black hole seeds and Super-Eddington accretion: Lucio Mayer (C)
17:10-17:25	Downsizing of star formation: weighing dark matter haloes hosting clustered infrared background sources: Kirsten Hall (C)

	Friday (Sept 20)
	<i>Galaxies & SMBHs</i>
09:00-09:30	Accretion dynamics of binary black holes approaching merger: Manuella Campanelli (R)
09:30-10:00	New perspectives onto the Universe in the era of multi-messenger astronomy: present status and challenges (R)
10:00-10:15	Gravitational Waves from Neutron-Star Mergers: Implications for Nuclear Physics and Cosmology: Michalis Agathos (C)
10:15-10:30	Post-Newtonian dynamical modelling of super-massive black holes in global large-scale simulations: Peter Johansson (C)
10:30-11:00	Coffee break
11:00-11:15	AGN jet feedback in realistic cluster environments: Martin Bourne (C)
11:15-11:30	Is star formation quenching governed by global, environmental, or local phenomena?: Asa Bluck (C)
11:30-12:30	Conference Summary:
	Chair: Roger Blandford; co-chairs: Jo Dunkley, Alice Shapley, Ofer Lahav, Carlos Frenk
12:30-14:00	Lunch & End of the Symposium
	Last updated: 14/09/2019