

## South American Workshop on Cosmology in the LSST Era

### Monday, Dec. 17

08:30 - 09:15	<b>REGISTRATION</b>	
09:15 - 09:30	Opening	
09:30-10:25	<b>M. Simonovic</b>	Modeling Biased Tracers at the Field Level
10:30-11:00	Coffee/Posters	
11:00-11:55	<b>R. Ogando</b>	Galaxy Clusters Hunters
12:00-12:30	<b>F. Oliveira</b>	Galaxy Surveys in Harmonic Space
12:30-14:00	LUNCH	
14:00-14:55	<b>D. Brout</b>	First Cosmology Results Using Type Ia Supernova from the Dark Energy Survey
15:00-15:30	<b>N. Kokron</b>	Sharpening cosmological constraints with EFT methods
15:30-16:00	Coffee/Posters	
16:00-16:30	<b>E. Ishida</b>	Interdisciplinary for astronomical data challenges: the case for PLAsTiCC
16:30-17:00	Wrap-up	
	Reception	

### Tuesday, Dec. 18

09:30-10:25	<b>T. McClintock</b>	Galaxy Cluster Cosmology in the LSST Era
10:30-11:00	Coffee/Posters	
11:00-11:55	<b>C. Chang</b>	A Unified Analysis of Four Cosmic Shear Surveys
12:00-12:30	<b>C. Novaes</b>	Tomographic local 2D analyses of the WISExSuperCOSMOS all-sky galaxy catalogue
12:30-14:00	LUNCH	
14:00-14:55	<b>M. Penna-Lima</b>	Galaxy cluster mass estimate from weak lensing signal
15:00-15:30	<b>M. Meneghetti</b>	Strong lensing by substructures in galaxy clusters
15:30-16:00	Coffee/Posters	
16:00-16:30	<b>EC/Posters</b>	
16:30-17:00	Wrap-up	

### Wednesday, Dec. 19

09:30-10:25	<b>C. Dvorkin</b>	Deciphering the Dark Side of Structure Formation with Cosmological Data: Current Status and Future Prospects
10:30-11:00	Coffee/Posters	
11:00-11:55	<b>D. Alonso</b>	Analysis challenges and tools for next-generation large-scale structure surveys
12:00-12:30	<b>D. Sapone</b>	Internal Robustness of Growth Rate data
12:30-14:00	LUNCH	
14:00-14:55	<b>T. Baker</b>	The Gravitational Landscape for the LSST Era
15:00-15:30	<b>R. Guerrey</b>	A generalized non-Gaussian consistency relation for single field inflation
15:30-16:00	Coffee/Posters	
16:00-16:30	FREE	FREE
16:30-17:00	FREE	FREE
	DINNER	DINNER



Thursday, Dec. 20		
09:30-10:25	<b>N. Padilla</b>	Testing gravity with LSST
10:30-11:00	Coffee/Posters	
11:00-11:55	<b>E. Krause</b>	Joint Probes Cosmology in the Systematics-Limited Regime
12:00-12:30	<b>R. Rosa</b>	Challenges for Galaxy Morphological Classification from Large Surveys
12:30-14:00	LUNCH	
14:00-14:55	<b>K. Heitmann</b>	Simulations for Large-Scale Sky Surveys and the LSST Data Challenge 2
15:00-15:30	<b>S. Vitenti</b>	NumCosmo: Numerical Cosmology Library
15:30-16:00	Coffee/Posters	
16:00-16:30	<b>A. Troja</b>	Non-Gaussian Likelihood in Harmonic space. Why we don't need covariance to estimate parameters
16:30-17:00	Wrap-up	Wrap-up
Friday, Dec. 21		
09:30-10:25	<b>M. Quartin</b>	Velocity and density power spectrum measurements with LSST supernovae
10:30-11:00	Coffee/Posters	
11:00-11:55	<b>L. Campusano</b>	Dark Clusters on Megaparsec Scales
12:00-12:30	<b>A. Wuensche</b>	The BINGO Telescope: an instrument to explore the Universe in the 21cm wavelength
12:30-14:00	LUNCH	
14:00-14:55	<b>J. Newman</b>	Photometric Redshifts for LSST (by skype)
15:00-15:30	<b>H. Xavier</b>	Dealing with stellar contamination and anisotropic selection effects on large photometric surveys
15:30-16:00	Coffee/Posters	
16:00-16:30	END	END