



# LSST school & workshop: Getting ready to do science with LSST data

## Tuesday 13 June 2017

### Workshop: Pushing frontiers in astrometry and photometry (1) - Amphitheatre (09:00-12:15)

**-Conveners: Réza Ansari**

time	[id] title	presenter
09:00	[21] Welcome and logistics	HERNANDEZ, Fabio Prof. ANSARI, Réza
09:20	[22] Point Spread Function modelling and measurement	Prof. MILLER, Lance
10:00	[23] Efficient multi-band deblending	Mr MELCHIOR, Peter
10:40	Coffee and tea break	
11:10	[24] LSST DM Processing of Crowded Fields	BOSCH, Jim
11:50	[25] Improved Point Source Detection in Crowded Fields using Probabilistic Cataloging	Mr PORTILLO, Stephen

### Workshop: LSST software stack beyond LSST - Amphitheatre (14:00-18:00)

**-Conveners: Pierre Astier**

time	[id] title	presenter
14:00	[27] Hyper Suprime-Cam Subaru Strategic Program	Dr TANAKA, Masayuki
14:45	[26] HSC data meets LSST code	LUPTON, Robert
15:30	Coffee and tea break	
16:00	[28] Photometry extraction and validation using the HSC pipeline of HSC+u-band data in HSC-SSP deep fields	Dr COUPON, Jean
16:40	[29] Reprocessing CFHT data with the LSST DM software stack	BOUTIGNY, Dominique
17:20	[30] Reprocessing CFHT Deep fields with the stack	GRIS, Philippe

# Wednesday 14 June 2017

## Workshop: Pushing frontiers in astrometry and photometry (2) - Amphitheatre (09:00-11:30)

-Conveners: Robert LUPTON

time	[id] title	presenter
09:00	[53] Joint astrometry	Mr ASTIER, Pierre
09:30	[31] Creating DCR-matched templates for image differencing	SULLIVAN, Ian
10:00	[32] Advances in astronomical image processing - Solving the problems of image coaddition and image subtraction	Mr ZACKAY, Barak
10:30	Coffee and tea break	
11:00	[33] LSST DM stack image differencing on CFHT images	Mr FOUCHÉZ, Dominique

## Workshop: Large photometric surveys (1) - Amphitheatre (11:30-12:10)

-Conveners: Robert LUPTON

time	[id] title	presenter
11:30	[34] Gaia, an overview	Dr ARENOU, Frédéric

## Workshop: Pushing frontiers in astrometry and photometry (3) - Amphitheatre (14:00-16:40)

-Conveners: Mario Juric

time	[id] title	presenter
14:00	[35] Dark Energy Survey - Status, Science, and Algorithmic Advancements	Mr MELCHIOR, Peter
14:35	[38] Forward Global Calibration of the Dark Energy Survey [remote presentation]	RYKOFF, Eli
15:10	[37] Photometric Calibration: lessons from CFHTLS	REGNAULT, Nicolas
15:45	Coffee and tea break	
16:15	[39] PHOTOMETRYPIPELINE: An automated pipeline for calibrated photometry	Dr MOMMERT, Michael

# Thursday 15 June 2017

## **Workshop: Computing infrastructure and data management - Amphitheatre (09:00-12:50)**

**-Conveners: Dominique Boutigny**

time	[id] title	presenter
09:00	[40] LSST Data Management Overview	Dr O'MULLANE, William
09:30	[41] What LSST Will Deliver: Images, Catalogs, Alerts, Services	Prof. JURIC, Mario
10:10	[42] Qserv: A distributed shared-nothing database for the LSST catalog	MUELLER, Fritz
10:40	Coffee and tea break	
11:10	[43] Scaling cloud for LSST catalog at IN2P3	JAMMES, Fabrice
11:40	[44] LHC experiments : Petabytes to papers	Dr ROUSSEAU, David
12:20	[45] Exploring Spark and MongoDB for LSST	Mr ARNAULT, Christian

## **Workshop: Large photometric surveys (2) - Amphitheatre (14:00-17:10)**

**-Conveners: Réza Ansari**

time	[id] title	presenter
14:00	[46] Euclid - An update on the mission and its processing plan	Dr SAUVAGE, Marc
14:40	[47] The Dark Energy Survey Data Management System [remote presentation]	GRUENDL, Robert
15:20	Coffee and tea break	
15:50	[49] Weak Lensing Data processing for the CFHTLenS and KiDS surveys [remote presentation]	ERBEN, Thomas
16:20	[48] Lessons from a Large Survey: The First Decade of Pan-STARRS Observations	Dr WATERS, Christopher
17:00	[74] CosmoHub demonstration [spontaneous contribution]	SERRANO, Santiago