

Date: 13 June 2012 09:24:26 GMT+02:00

Second Announcement for the ESO workshop
"Science from the Next Generation Imaging and Spectroscopic Surveys"
15-18 of October, 2012
ESO Headquarters, Garching, Germany

<http://www.eso.org/sci/meetings/2012/surveys2012.html>

- * Registration is OPEN
- * Contributed talks and posters are encouraged
- * The number of participants will be limited
- * Registration and abstract submission deadline: 2 July, 2012
- * Announcement of selected talks and participation confirmation: August, 2012
- * Accommodation reservation and registration fee payment: 10 September, 2012
- * Workshop dates: 15-18 October, 2012
- * Contact: surveys2012 (atmark) eso.org

Scientific Rationale:

With the addition of VISTA and VST imaging survey facilities to the La Silla-Paranal Observatory and the start of the selected spectroscopic public surveys ESO and European astronomy have firmly entered the era of large public surveys. The aim of the ESO workshop "Science from the Next Generation Imaging and Spectroscopic Surveys" is to present scientific results from the first two years of science operations of the VISTA public surveys, the first year of the VST public surveys, and an overview of spectroscopic public survey projects at ESO. The first results from the nine ongoing imaging public surveys from VISTA and VST will be featured through the invited talks by the survey PIs as well as contributed talks from survey team members. The scientific usage of public survey data products, including the community's science goals based on Public Surveys Archive data, will be discussed.

Another goal of the workshop is to put the ESO public survey projects in the context of other on-going or planned large Optical and NIR imaging surveys such as SDSS III projects, PANStars, LSST, SkyMapper, UKIDSS, GAIA and also within the context of spectroscopic surveys carried out at other telescope facilities and/or as follow-up of imaging surveys.

Main Science Topics and the Invited Speakers List

Session 1: Survey Facilities from Ground and Space

- * VST - M. Capaccioli
- * VISTA - J. Emerson
- * EUCLID - Y. Mellier
- * LSST - Andrew Connolly

Session 2: The Milky Way Galaxy

- * VVV - D. Minniti
- * VPHAS+ - J. Drew
- * GAIA ESO - S. Randich

Session 3: Local Universe

- * VMC - M.-R. Cioni

Session 4: Cosmology, BAO, Weak Lensing

- * VHS - R. McMahon
- * VST ATLAS - T. Shanks
- * KIDS - K. Kuijken
- * VIKING - W. Sutherland

Session 5: High z Universe & Galaxy Evolution

- * VIDEO - M. Jarvis
- * ULTRAVISTA - J. Dunlop

Session 6: The Transient universe

- * PESSTO - S. Smartt

Session 7: Pipelines, Data Mining & Data Products from Surveys

Registration and Abstract:

Registration is open, and the deadline for submitting abstracts for contributed talks and posters is July 2, 2012.
Attendance at the workshop will be limited.

To submit an abstract for an oral contribution or a poster, please access the web form at: <http://www.eso.org/sci/php/meetings/surveys2012/registration-open.html>

There will be a registration fee of 150 Euro (50 Euro for students).
The registration fee includes tea/coffee breaks, the welcome reception and the workshop dinner. Payment details will be provided in due course.

Workshop Venue and Accommodation

The workshop will be held in the ESO Auditorium, Karl-Schwarzschild-Str. 2, Garching b. Muenchen. Garching lies about 13 km north-east of Munich and 17 km south-west of Munich's international airport (Franz Josef Strauss). The hotels are in Garching and within walking distance of each other. There is easy access to downtown Munich as well as to the science site (Forschungszentrum) by subway (U-Bahn).

Scientific Organizing Committee:

- * Magda Arnaboldi (ESO, Germany, Chair)
- * Annette Ferguson (IFA, Edinburgh)
- * Laura Ferrarese (HIA, Victoria)
- * Lynne Hillenbrand (Caltech, Pasadena)
- * Mike Irwin (IoA, Cambridge)
- * Andrew Lawrence (IFA, Edinburgh)
- * Bruno Leibundgut (ESO, Germany)
- * Duccio Macchetto (StScI, Baltimore)
- * Yannick Mellier (IAP, Paris)
- * Thomas Szeifert (ESO, Chile)

Local Organizing Committee:

- * Magda Arnaboldi
- * Oscar A. Gonzalez
- * Michael Hilker
- * Valentin D. Ivanov
- * Steffen Mieske
- * Monika Petr-Gotzens
- * Marina Rejkuba (Chair)
- * Joerg Retzlaff
- * Christina Stoffer

Contact Address

LOC: surveys2012 (atmark) eso.org