
First Announcement for the ESO workshop:

ESO @ 50

3 - 7 September 2012

ESO Headquarters, Garching, Germany

<http://www.eso.org/sci/meetings/2012/ESOat50.html>

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** Registration is open now !!

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** The number of participants will be limited.

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** The deadline for submitting Abstracts (Oral Contribution/Poster) is June 15

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** Contact: ESOat50@eso.org

Scientific Rationale:

ESO will celebrate its 50th anniversary in 2012. In recognition of this important milestone, we are organizing a special scientific workshop, ESO@50, to be held at ESO Headquarters in Garching from 3-7 September 2012.

The ESO@50 workshop is intended to provide an original perspective on the scientific challenges of the coming decade, building on the achievements from the science community using ESO facilities, with the twin goals of looking back at the accomplishments of the past fifty years and looking forward towards the next fifty.

This 5-day workshop will focus on the main scientific topics where ESO has made important contributions, from Solar System astronomy to fundamental physics. Key speakers will be invited for overviews of each field (including some historical perspective) and then focusing on the present science status around these questions. The next science steps will be emphasized. We will offer a number of slots for contributed talks, which should be an opportunity to mention the latest ESO-related results and developments. Posters are also most welcome and will be accommodated throughout the week. Some "bonus" tracks will be included, such as introducing the first ALMA results, the latest unpublished VLT/I and La Silla results, and an outlook for science with the E-ELT.

The list of invited speakers includes:

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- * François Bouchy : transit detection of exoplanets
- * Françoise Combes : molecular gas and star formation in galaxies
- * Tim de Zeeuw : ESO's next fifty years and closing remarks
- * Sandro D'Odorico : VLT and E-ELT instrumentation
- * Richard Ellis : ESO's impact on ground-based astronomy
- * Natascha Förster Schreiber : structure and kinematics of distant galaxies
- * Marijn Franx : high-z clusters and proto-clusters
- * Johan Fynbo : GRBs
- * Pavel Kroupa : star formation, mass functions
- * Carme Gallart : the Magellanic Clouds
- * Reinhard Genzel : the Galactic centre
- * Rodrigo Ibata : galaxy assembly
- * Simon Lilly : galaxy surveys, galaxy formation and evolution
- * Roberto Maiolino : the AGN-galaxy connection
- * Yannick Mellier : gravitational lensing
- * Guy Monnet : ESO instrumentation in a broad (world-) context
- * Michael Murphy : variations of fundamental constants
- * Patrick Petitjean : high-z absorbers
- * Giampaolo Piotto : globular clusters
- * Marina Rejkuba : the Milky Way galaxy
- * Alvio Renzini : how ESO changed astronomy in Europe
- * Bruno Sicardy : planets and moons of the solar system
- * Stephen Smartt : Supernovae and the deaths of massive stars
- * Mark Sullivan : SN cosmology

- * Linda Tacconi : galaxy survey, cosmic star formation history
- * Massimo Tarengi : history of ESO observatories in Chile
- * Leonardo Testi : star formation, ALMA
- * Eline Tolstoy : dwarf galaxies and resolved stellar populations
- * Stéphane Udry : radial velocity detection of exoplanets
- * Ewine van Dishoeck : interstellar chemistry, ALMA
- * Pierre Vernazza : solar system minor bodies

Registration and Abstracts:

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Registration is open, and the deadline for submitting abstracts for contributed talks and posters is June 15, 2012. Attendance at the workshop will be limited.

To submit an abstract for an oral contribution or a poster, please access the web form available at:
<http://www.eso.org/sci/php/meetings/ESOat50/registration-open.html>

For further information and registration, please see the conference Web page at:
<http://www.eso.org/sci/meetings/2012/ESOat50.html>

Looking forward to seeing you in Garching for this exciting event!

Best Regards

Eric Emsellem and Michael West
 On behalf of the SOC

 Contact: ESOat50@eso.org

Scientific Organising Committee:

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- * Beatriz Barbuy
- * Xavier Barcons
- * Willy Benz
- * Jacqueline Bergeron
- * Emanuele Daddi
- * Tim de Zeeuw
- * Eric Emsellem
- * Isobel Hook
- * Konrad Kuijken
- * Bruno Leibundgut
- * Maria-Teresa Ruiz
- * Linda Tacconi
- * Monica Tosi
- * Michael West

Local Organising Committee:

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- * Gráinne Costigan
- * Timothy Davis
- * Eric Emsellem
- * Nora Lützgendorf
- * Loredana Spezzi
- * Christina Stoffer
- * Svea Teupke
- * Grant Tremblay
- * Michael West
- * Dominika Wylezalek
