ESO Workshop on

Observing Planetary Systems

5–8 March 2007, Santiago de Chile, Chile

This workshop aims to bring together both communities of Solar System and extra-planetary systems scientists to discuss, mostly from an observational standpoint, our understanding of the formation of our Solar System and its early chemistry, and how it fits with recent observations and current knowledge of the formation of planetary systems at large.

We invite you to join this workshop that will be held at the ESO premises in Vitacura, Santiago de Chile, from 5–8 March 2007. The meeting will be organised in four sessions approached both from the Solar System and extra-solar system perpectives. Each session will host invited talks and contributed presentations. Space will be made available for poster display. The total number of participants will be limited to about 80 people.

Sessions and invited speakers are: *Discs:* François Ménard "Observations and models of circumstellar discs", Charles Telesco, "Observing planetesimal collisions in discs", Alessandro Morbidelli "Dynamical processes in the early Solar System"; *Search for planets:* Didier Queloz "Status and prospects of radial velocity searches", Olivier Hainaut "Finding the big outer Solar System bodies", David Mouillet "Direct detection of exoplanets"; *Planet's chemistry:* David Charbonneau "Probing the atmosphere of transiting exoplanets", Inga Kamp "Astrochemistry: From discs to protoplanets", Michael Mumma "Comets as messengers from the early Solar System"; *Finding other Earths:* Chas Beichman "Roadmap to other Earths", Lisa Kaltenegger "Biomarkers of other Earths", Malcolm Fridlund "Expected results from COROT and Darwin".

Important deadlines and contact information:
Submission of abstracts: 15 December 2006 (late submission will be considered depending availability of space)
Final selection: 15 January 2007
Conference e-mail: *ops_ws07@eso.org*
Web page: *http://www.sc.eso.org/santiago/science/OPSWorkshop*

Scientific Organising Committee: Isabelle Baraffe, Antonella Barucci, Hermann Böhnhardt, Dale Cruikshank, Christophe Dumas (Co-chair), Wolfgang Gieren, Anne-Marie Lagrange, Dante Minniti, Andreas Quirrenbach, Michael Sterzik (Co-chair), Stéphane Udry, Benjamin Zuckerman

Local Organising Committee: *http://www.sc.eso.org/santiago/science/PlanetaryGroup*

Conference on

Obscured AGN Across Cosmic Time

5–7 June 2007, Seeon, Bavaria, Germany

Current deep surveys, notably in X-rays and the mid-IR, are making it possible to carry out a census of essentially all the luminous AGN in the Universe. By penetrating the obscuration that, in Type 2 sources, hides the nuclear regions in the UV to the near-IR spectrum, these new surveys are finding the radio quiet counterparts of the powerful radio galaxies.

The completion of such a census has substantial cosmological significance since it will provide the foundation for identifying the role of AGN feedback in the galaxy-formation process. The Type 2 sources are of particular value here since, by acting as their own coronographs, they facilitate the study of the star-formation activity and the investigation of the correlated growth of the black hole and the host galaxy.

While radio galaxies – which are being used to trace the massive galaxy population at all epochs – have been studied intensively for the past 40 years, their radio quiet counterparts beyond the local Universe are only now being discovered in substantial numbers. The workshop aims to bring together the established radio galaxy community with the students of the radio quiet sources and so help to elucidate the effects of the (possibly) different host galaxies and environment and those of the powerful radio jets.

The conference will be held at Kloster Seeon, a recently renovated 10th-century benedictine monastery near lake Chiemsee. This state-of-the-art conference centre includes a three-star hotel with 88 rooms and a restaurant proposing excellent cuisine with regional specialities. Seeon is located halfway between Munich and Salzburg at the foothills of the southern Bavarian Alps. The conference will be limited to 120 participants. We foresee no proceedings and no poster session.

For further information, see *http://www.eso.org/agnii2007*

Contact: *agnii2007@eso.org*