Astronomical Data Analysis Conference (ADA V)

Date: Wednesday 7 May - Friday 9 May 2008.

Location: Heraklion, Crete (Greece)

Conference Web Site: http://www.ics.forth.gr/ada5

About ADA-V
 Held regularly since 2001, the ADA conference series is focused on algorithms, signal and data processing. The program includes invited and contributed talks as well as posters. This conference series has been characterized by a range of innovative themes, including curvelet transforms, and clustering in cosmology, while at the same time remaining closely linked to front-line open problems and issues in astrophysics and cosmology. Herschel and PLANCK will be launched in 2008, and so ADA-V will focus in particular on:
inverse problems such as map-making and component separation
multi-wavelength data analysis
Recent developments in harmonic analysis, especially "compressed sensing" theory may have major impact on the way we collect, transfer and analyze the data. The ADA-V conference will have an invited expert from this field in order to diffuse these new ideas in the astronomical community.

Keynote Speakers
Emmanuel Candes,   Caltech, USA   (Compressed Sensing Theory)
Rachid Deriche,   Inria Sophia-Antipolis, France   (Vector Field Analysis)
Rien Van de Veygaert,   Kapteyn Institut, Univ. of Groningen, Netherlands, (Structure & Dynamics of the Cosmic Web)
Angelica de Oliveira-Costa, MIT, USA   (Cosmic Microwave Background)
Alexandre Refregier   CEA, France   (Weak Lensing)

Important Deadlines
Abstract Submission: 3 February 2008
Abstract Acceptance: 15 February 2008
Conference Registration: 22 February 2008
Hotel Reservation: 22 February 2008
Conference Program: 1 March 2008
Conference: 7-9 May 2008

Local Organisation
Yiannis Askoxylakis, FORTH/ICS, Greece
Vassilis Charmandaris (Dept. of Physics, University of Crete)
Panagiotis Tsakalides (Dept. of Computer Science, University of Crete)

Scientific Organising Committee
Babu Jogesh,   Center for Astrostatistics, USA
Charmandaris Vassilis,   FORTH/IESL & University of Crete, Greece
Djorgovski George,   Caltech, USA
Hochedez Jean-Francois,   Royal Observatory of Belgium, Belgium
Llebaria Antoine,   LAM, France
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Martinez Vicent,   Valencia Observatory, Spain
Murtagh Fionn, (Chair)   Royal Holloway, University of London, UK and Science Foundation Ireland, Ireland
Starck Jean-Luc (Chair)   CEA Saclay, France
Surace Christian,   LAM, France
Szalay Alex,   The Johns Hopkins University, USA
Tsakalides Panagiotis,   FORTH/ICS & University of Crete, Greece
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