



ADASS XXVI - GENERAL PROGRAM

General Program - v.10.10.2016

[Poster](#)

[Demo Booth](#)

Sunday 16 October 2016

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| 12:00 | Registration Desk opens – Stazione Marittima |
| Tutorials | (Open to all delegates) |
| 14:15-16:30 | <u>T1 - S. O'Toole - Everything you've heard about Agile development is wrong</u> |
| 16:30-17:00 | Coffee Break |
| 17:00-18:45 | <u>T2 - T. Robitaille - Multi-dimensional linked data exploration with glue</u> |
| 19:00 | Welcome Reception at Magazzino 42 |

Monday 17 October 2016

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| 09:00-09:30 | Welcome addresses |
| Key Theme 4 - Long-term Management of Data Archives | |
| Session 1 | Chair: Nuria Lorente |
| 09:30-10:00 | <u>I1.1 - C. Arviset (invited) - From ISO to Gaia : a 20-years journey through data archives management</u> |
| 10:00-10:15 | <u>O1.2 - S. Nieto - The Euclid Archive System: A data-centric approach to big data</u> |
| 10:15-10:30 | <u>O1.3 - S. Witz - Towards a Self-Healing Archive</u> |
| 10:30-11:30 | Coffee Break and poster viewing |
| Session 2 | Chair: Harry Teplitz |
| 11:30-11:45 | <u>O2.1 - W. Landry - Instantaneous Archives</u> |
| 11:45-12:00 | <u>O2.2 - S. Graves - The JCMT SCUBA-2 Legacy Release: Unexpected Benefits and Lessons Learned</u> |
| 12:00-12:15 | <u>O2.3 - J. Salgado - ESASky: A simple/performant interface on massive astronomical data</u> |
| 12:15-12:30 | <u>O2.4 - Xiuqin Wu - Next generation Firefly for web application</u> |
| 12:30-14:00 | Lunch Break |
| 13:30-14:00 | <u>F1 - Focus demo: PlanetS DACE Platform - Data and Analysis Center for Exoplanets (N. Buchschacher)</u> |
| Key Theme 4 - Long-term Management of Data Archives | |
| Session 3 | Chair: Tadafumi Takata |
| 14:00-14:30 | <u>I3.1 - L. Rebull (invited) - NASA's Long-Term Astrophysics Data Archives</u> |
| 14:30-14:45 | <u>O3.2 - P. Fernique - Long-term management of 1000s of All-Sky reference data sets using the HiPS network</u> |
| 14:45-15:00 | <u>O3.3 - C. Loup - What is SIMBAD, and what is it not?</u> |
| 15:00-15:15 | <u>O3.4 - K. Levay - Linking the Literature to the Data</u> |



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Key Theme 7 - Surveys for Transient Objects in the Era of Gravitational Wave Astronomy

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| Session 4 | Chair: Pascal Ballester |
| 15:15-15:45 | I4.1 - Eric Chassande-Mottin (invited) - Searches of gravitational-wave transients with low latency |
| 15:45-16:00 | O4.2 - A. Zoli - The AGILE pipeline for Gravitational Waves events follow-up |
| 16:00-16:15 | O4.3 - A. Szomoru - CLEOPATRA: Connecting Locations of ESFRI Observatories and Partners in Astronomy for Timing and Real-time Alerts |
| 16:15-16:30 | O4.4 - B. Meade - Optimised workspaces enhance time-critical astronomy |
| 16:30-17:30 | Coffee Break and poster viewing |
| 17:30-19:00 | BoF Sessions (in parallel): |
| | B1 - Operations in the era of large distributed telescopes (Y. Grange et al.) |
| | B2 - FITS (Flexible Image Transport System) and Data Representations WG (L. Chiappetti) |
| 20:00 | Gala Dinner at Savoia Excelsior Palace Hotel |

Tuesday 18 October 2016

Key Theme 2 - Management of Scientific and Data Analysis Projects

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| Session 5 | Chair: Stephen Gwyn |
| 09:15-09:45 | I5.1 - R. Lupton (invited) - Lessons we should have learned from SDSS, HSC, and LSST |
| 09:45-10:00 | O5.2 - W. O'Mullane - COTS software in science operations, is it worth it? |
| 10:00-10:15 | O5.3 - F. Genova - The Research Data Alliance: building bridges to enable scientific data sharing |
| 10:15-10:30 | O5.4 - S. Gaudet - Extending Support for Large Distributed Projects through Interoperability |
| 10:30-11:30 | Coffee Break and poster viewing |
| Session 6 | Chair: Sébastien Derrière |
| 11:30-11:45 | O6.1 - C. Marmo - The FRIPON project or Pride and Prejudice in Citizen Sciences |
| 11:45-12:00 | O6.2 - N. Apostolakos - Designing modular software for template fitting photo-z estimation |
| 12:00-12:15 | O6.3 - M.J. Márquez - Optimization of Multi-band Galaxies Cataloguing: Description of the Data Management Pipeline |
| 12:15-14:00 | Lunch Break |

Key Theme 2 - Management of Scientific and Data Analysis Projects

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| Session 7 | Chair: Jim Lewis |
| 14:00-14:15 | O7.1 - A-M. Weijmans - The Challenges of a Public Data Release: behind the scenes of SDSS DR13 |
| 14:15-14:30 | O7.2 - A. Galkin - Hosting astronomical data in sharded SQL databases |
| 14:30-14:45 | O7.3 - A. Korotkov - Spatial indexes in PostgreSQL for astronomy |



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| 14:45-15:15 | Lighting Talks |
| 15:15-16:00 | Coffee Break and poster viewing |
| 16:00-17:30 | BoF Session: |
| | <u>B3 - Implementing Ideas for Improving Software Citation and Credit (P. Teuben et al.)</u> |
| 19:00 | “Connections”: LOLA Concert at Conservatorio di Musica G. Tartini – 1st performance |
| 20:30 | “Connections”: LOLA Concert at Conservatorio di Musica G. Tartini – 2nd performance |
| 18:45-21:00 | Reception ad Birreria Forst |

Wednesday 19 October 2016

Key Theme 1 - Reduction and Analysis Algorithms for Large Databases and Vice-versa

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| Session 8 | Chair: Arnold Rots |
| 09:00-09:15 | <u>O8.1 - M. Akhlaghi - Separating detection and catalog production: a step towards Algorithms for Large Databases and Vice-versa</u> |
| 09:15-09:30 | <u>O8.3 - K. Nyland - An Enhanced Multiwavelength Photometric Catalog for the Spitzer Extragalactic Representative Volume Survey</u> |
| 09:30-09:45 | <u>O8.4 - L. Rimoldini - Crossmatching variable objects with the Gaia data</u> |
| 09:45-10:00 | <u>O8.5 - R. da Silva - Euclid near-infrared imaging reduction pipeline: astrometric calibration, resampling and stacking</u> |
| 10:15-11:15 | Coffee Break and poster viewing |
| Session 9 | Chair: Mike Fitzpatrick |
| 11:15-11:30 | <u>O9.1 - A. Korde-Patel - Application of Compressive Sensing to Gravitational Microlensing Data and Implications for Miniaturized Space Observatories</u> |
| 11:30-11:45 | <u>O9.2 - M. Pawlak - Machine Learning Variability Classification in the OGLE Project</u> |
| 11:45-12:00 | <u>O13.2 - M. Poncet - Using CernVM-FS to deploy Euclid processing S/W on Computing Centres</u> |
| 12:00-12:15 | Lighting Talks |
| 12:15-13:45 | Lunch Break |
| 13:15-13:45 | <u>F2 - Focus Demo: A web interface to federalize the outcome of large, cosmological, hydro-dynamical simulations (A. Ragagnin)</u> |

Key Theme 5 - Data Models in Astrophysics

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| Session 10 | Chair: Carlos Gabriel |
| 13:45-14:15 | <u>I10.1 - M. Louys (invited) - Data Modeling in the Virtual Observatory framework</u> |
| 14:15-14:45 | <u>I10.2 - G. Lemson (invited) - Data Models for Astronomical Data Integration: Language, Patterns and Representations</u> |
| 14:45-15:00 | <u>O10.3 - P. Dowler - The Common Archive Observation Model: Inside the Data Centre</u> |



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15:00-15:15 [O10.4 - K. Riebe - A Provenance Data Model for Astronomy](#)

Key Theme 6 - Python in Astronomy

Session 11 Chair: Keith Shortridge

15:15-15:45 [O11.1 - T. Robitaille \(invited\) - The rise of Python and the open-development revolution in Astronomy](#)

15:45-16:00 [O11.2 - M. Araya - JOVIAL: Jupyter OVerIde for Astronomical Libraries](#)

16:00-16:15 [O11.3 - O. Laurino - Sherpa, Python, and Astronomy. A successful co-evolution](#)

16:15-16:30 [O11.4 - P. Teuben - ADMIT: ALMA Data Mining Toolkit](#)

16:30-17:30 Coffee Break and poster viewing

17:30-19:00 **BoF Sessions:**

[B4 - The Astropy Project - community discussion and feedback \(T. Robitaille\)](#)

Thursday 20 October 2016

Key Theme 3 - New Trends in HPC and Distributed Computing

Session 12 Chair: Tony Kruger

09:00-09:30 [I12.1 - G. Taffoni \(invited\) - Shall numerical astrophysics step into the era of exascale computing?](#)

09:30-09:45 [O12.2 - F. Pierfederici - Massive Scientific Workloads: Lessons Learned From Petaflop-Scale Weather Simulations](#)

09:45-10:00 [O12.3 - S. Castro - HPC Development for the ALMA Pipeline](#)

10:00-10:15 [O12.4 - J. Buss - FACT-Tools – Processing High-Volume Telescope Data](#)

10:15-10:45 Coffee Break

Session 13 Chair: Fabio Pasian

10:45-11:15 [I13.1 - T. Ferrari \(invited\) - EGI technical platforms for advanced computing](#)

11:15-11:30 [O13.3 - A. Schaaff - Improving astronomical online services with Apache Spark and Docker](#)

Key Theme 8 - Miscellanea

Session 14 Chair: Nuria Lorente

11:30-11:45 [O14.1 - A. Karick - Building a community of tech savvy astronomers in the era of "big-data" and "data science"](#)

11:45-12:15 Panel Discussion

12:15-12:30 O14.2 - ADASS XXVI Concluding Remarks

12:30 **End of meeting**

12:30-14:00 **Lunch and Poster removal**