

Conference Week-at-a-Glance

Sunday October 13, 2002

Registration (12:00pm - 6:30pm; Registration Desk)

Tutorial: XML and Web Services for Astronomers (1:00pm - 5:00pm; Harborside Ballroom C)

Conference Reception (7:00pm - 9:00pm; Harborside Foyer)

Monday October 14, 2002

Registration (7:30am - 5:00pm; Registration Desk)

Display Session and Demo Viewing (7:30am - 5:00pm; Harborside Ballroom A/B and Essex A/B/C)

Oral Session 1: **VO Technologies** (8:20am - 10:00am; Harborside Ballroom C)

Oral Session 2: **Sky Surveys** (11:15am- 12:30pm; Harborside Ballroom C)

Oral Session 3: **Next-Generation Telescopes and Control Systems** (2:00pm-3:30pm; Harborside C)

BoF Session 1: **BoF 1: FITS** (4:30pm - 6:00pm; Harborside Ballroom C)

BoF 2: Re-usable Software Components (4:30pm - 6:00pm; Laurel A/B/C/D)

BoF 3: Education and Public Outreach (4:30pm - 6:00pm; Kent C)

BoF Session 2: **BoF 4: Python in Astronomy** (7:30pm - 9:00pm; Harborside Ballroom C)

BoF 5: Astronomical Websites (7:30pm - 9:00pm; Laurel A/B/C/D)

BoF 6: Teaching Scientific Computing with N-body Simulations (7:30pm - 9:00pm; Kent C)

Tuesday October 15, 2002

Registration (7:30am - 5:00pm)

Display Session and Demo Viewing (7:30am - 5:00pm; Harborside Ballroom A/B and Essex A/B/C)

Oral Session 4: **Data Management** (8:30am - 10:15am; Harborside Ballroom C)

Oral Session^o5: **Calibration** (11:30am - 12:30 pm; Harborside Ballroom C)

Oral Session^o6: **VO Interoperability** (2:00pm - 3:30pm; Harborside Ballroom C)

Oral Session 7: **Data Management** (4:30pm - 5:45pm; Harborside Ballroom C)

Conference Banquet (6:30pm - 9:30pm; Della Notte)

Wednesday October 16, 2002

Registration (7:30am - 12:00pm)

Display Session and Demo Viewing (7:30am - 4:00pm; Harborside Ballroom A/B and Essex A/B/C)

Oral Session 8: **Optimizing Science** (8:30am - 10:00am; Harborside Ballroom C)

Oral Session 9: **Calibration** (11:15am - 12:15pm; Harborside Ballroom C)

Oral Session 10: **Enabling Technologies** (2:00pm - 4:00pm; Harborside Ballroom C)

Sunday, October 13, 2002 Program

Tutorial: XML and Web Services for Astronomers (1:00pm to 5:00pm; Harborside Ballroom C)

Roy Williams and
Robert Brunner

Registration (12:00pm to 6:30pm; Registration Desk)

Conference Reception (7:00pm to 9:00pm; Harborside Foyer)

Monday, October 14, 2002 Program

Coffee and Light Breakfast Fare (7:30am to 8:30am; Harborside Foyer)

Oral Session 1: VO Technologies (8:20am to 10:00am; Harborside C)

- | | | |
|--------|--|--------------------------------------|
| 8:20am | Welcome & Opening Remarks | William Smith, Jr.
AURA President |
| 8:30am | High Performance Computing (Invited) | Miron Livny |
| 9:00am | Rapid Development for Distributed Computing, with Implications for the Virtual Observatory (Invited) | Michael Noble |
| 9:30am | eSTAR: Building an Observational GRID | Alasdair Allan |
| 9:45am | AstroComp: A Web Portal for High Performance Astrophysical Computing on a Grid of Supercomputers | Paola Di Matteo |

Coffee Break, Display Session and Demo Viewing (10:00am to 11:15am)

Oral Session 2: Sky Surveys (11:15am to 12:30pm; Harborside C)

- | | | |
|---------|--|------------------|
| 11:15am | Photometric and Astrometric Calibration of the Southern H-alpha Sky Survey Atlas (Invited) | Peter McCullough |
| 11:45am | The XMM-Newton Serendipitous Sky Survey (Invited) | Michael Watson |
| 12:15pm | ISOCAM Parallel Mode Survey | Stephan Ott |

Lunch Break, Display Session and Demo Viewing (12:30pm to 2:00pm)

Oral Session 3: Next Generation Telescopes and Control Systems (2:00pm to 3:30pm; Harborside C)

- | | | |
|--------|---|--------------|
| 2:00pm | Conceptual Design for the Square-Kilometer Array (Invited) | Ron Ekers |
| 2:30pm | The James Webb Space Telescope Science & Operations Systems (Invited) | Joe Pollizzi |
| 3:00pm | Adaptive Optics at the VLT: NAOS-CONICA (Invited) | Chris Lidman |

Coffee Break, Display Session and Demo Viewing (3:30pm to 4:30pm)

Monday, October 14, 2002 Program, continued

BoF 1: FITS (4:30pm to 6:00pm; Harborside C)	Don Wells
BoF 2: Re-usable Software Components (4:30pm to 6:00pm; Laurel A/B/C/D)	Frank Tanner
BoF 3: Education and Public Outreach (4:30pm to 6:00pm; Kent C)	Steve McDonald
Dinner Break (6:00pm to 7:30pm)	
BoF 4: Python in Astronomy (7:30pm to 9:00pm; Harborside C)	Perry Greenfield
BoF 5: Astronomical Websites (7:30pm to 9:00pm; Laurel A/B/C/D)	Tony Ferro
BoF 6: Teaching Scientific Computing with N-body Simulations (7:30pm to 9:00pm; Kent C)	Vicki Johnson Peter Teuben

Tuesday, October 15, 2002 Program

Coffee and Light Breakfast Fare (7:30am to 8:30am; Harborside Foyer)

Oral Session 4: Data Management (8:30am to 10:15am; Harborside C)

8:30am	Data Management for the LSST (Invited)	Andrew Connolly
9:00am	Microlensing Events: Exploring the Time Domain (Invited)	Kem Cook
9:30am	The Raptor Real-Time Processing Architecture	Mark Galassi
9:45am	The Subaru Telescope Software Trinity System (Invited)	Ryusuke Ogasawara

Coffee Break, Display Session and Demo Viewing (10:15am to 11:30am)

Oral Session 5: Calibration (11:30am to 12:30pm; Harborside C)

11:30am	Data Calibration for the Low-Frequency Radio Telescope (Invited)	Jan Noordam
12:00pm	Calibration Techniques for the Sub-mm Imaging (Invited)	Stephane Guilloteau

Lunch Break, Display Session and Demo Viewing (12:30pm to 2:00pm)

Oral Session 6: VO Interoperability (2:00pm to 3:30pm; Harborside C)

2:00pm	SkyQuery - A Prototype Distributed Query Web Service for the VO	Tamas Budavari
2:15pm	Why Indexing the Sky is Desirable	Patricio Ortiz
2:30pm	Quantum Topic Maps: A Physicist's View of the Information Universe	Nikita Ogievetsky
2:45pm	A New Way of Joining Source Catalogs using a Relational DBMS	Clive Page
3:00pm	A Bit of GLUE for the VO: Aladin Experience	Pierre Fernique
3:15pm	Interoperability of the ISO Data Archive and the XMM-Newton Science Archive	Christophe Arviset

Coffee Break, Display Session and Demo Viewing (3:30pm to 4:30pm)

Oral Session 7: Data Management (4:30pm to 5:45pm; Harborside C)

4:30pm	Data Management for the VO (Invited)	Patrick Dowler
5:00pm	The NRAO End-to-End (e2e) Project	Tim Cornwell
5:15pm	Data Organization in the SDSS Data Release 1	Aniruddha Thakar
5:30pm	HDX Data Model - FITS, NDF and XML implementation	David Giaretta

Conference Banquet (6:30pm to 9:30pm; Della Notte)

Wednesday, October 16, 2002 Program

Coffee and Light Breakfast Fare (7:30am to 8:30am; Harborside Foyer)

Oral Session 8: Optimizing Science (8:30am to 10:00am; Harborside C)

- | | | |
|--------|--|-------------------|
| 8:30am | New Science with LIGO: Past, Present and Future (Invited) | Kent Blackburn |
| 9:00am | AstroVirgil: Interactive X-Ray Analysis for the EPO and First-Look | Steve McDonald |
| 9:15am | An End-to-End Architecture for Science Goal Driven Observing | Anuradha Koratkar |
| 9:30am | Small Theory Data and the Virtual Observatory | Jonathan McDowell |
| 9:45am | Federating Catalogs and Interfacing Them with Archives: A VO Prototype | Doug Mink |

Coffee Break, Display Session and Demo Viewing (10:00am to 11:15am)

Oral Session 9: Calibration (11:15am to 12:15pm; Harborside C)

- | | | |
|---------|---|----------------|
| 11:15am | Calibration of Space IR Arrays (Invited) | Mark Dickinson |
| 11:45am | Uncertainty Estimation & Propagation in SIRTf Pipelines (Invited) | Mehrdad Moshir |

Lunch Break, Display Session and Demo Viewing (12:15pm to 2:00pm)

POC Meeting (12:15pm to 2:00pm)

Oral Session 10: Enabling Technologies (2:00pm to 4:00pm; Harborside C)

- | | | |
|--------|--|-----------------|
| 2:00pm | Micro Observatory (Invited) | Philip Sadler |
| 2:30pm | Mirage: A Tool for Interactive Pattern Recognition from Multimedia Data | Tin Kam Ho |
| 2:45pm | Montage: An On-Demand Image Mosaic Service for the NVO | Bruce Berriman |
| 3:00pm | Architecture for All-Sky Browsing of Astronomical Datasets | Joseph Jacob |
| 3:15pm | Scoping the UK's Virtual Observatory: AstroGrid's Key Science Drivers and Impact on System Design. | Nicholas Walton |

3:45pm Closing Remarks

Demo and Display Break-Down (4:00pm to 6:00pm)