

Division IX Working Group on Optical/IR Interferometry



- 9:00- 9:15 *Welcome and Review,* P. Lawson
- 9:15- 9:45 *EU Interf. Initiative,* A. Quirrenbach
- 9:45-10:30 *VLT/Calibrators,* A. Richichi
- 10:30-11:00 Break
- 11:00-11:30 *Calibration & Obs. Planning,* A. Boden
- 11:30-12:00 *Data Exchange Format,* T. Pauls
- 12:00-12:20 Discussion
- 12:20-12:30 Summary P. Lawson



IAU General Assembly, 21 July 2003
Promenade Meeting Room 2

Division IX Working Group on Optical/IR Interferometry



Chair:

Peter Lawson (USA)

Scientific Organizing Committee

- John Davis (Australia)
- Christopher Haniff (United Kingdom)
- Christian Hummel (USA)
- Pierre Lena (France)
- Christoph Leinert (Germany)
- Harold McAlister (USA)
- Denis Mourard (France)
- Andreas Quirrenbach (Netherlands)
- Charles Townes (USA)



IAU General Assembly, 21 July 2003
Promenade Meeting Room 2

Division IX Working Group on Optical/IR Interferometry



- New in 2002-2003
 - Science published with VLTI & Keck
 - AGNs observed. YSOs soon to be imaged.
 - Data Exchange Format completed
 - getCal and ASPRO (web-based) released
 - AIPS++ development halted



IAU General Assembly, 21 July 2003
Promenade Meeting Room 2

Division IX Working Group on Optical/IR Interferometry



- Mission Statement
 - The IAU and SPIE compared
 - Encourage international collaborations in long-baseline optical/IR interferometry
 - Coordinate scientific and technical work.
 - Software tools for interferometry
 - Establish standards
 - Reference catalogs
 - Standard nomenclature
 - Sponsor Symposia or Colloquia where appropriate
 - Encourage International participation in Inf. Schools



IAU General Assembly, 21 July 2003
Promenade Meeting Room 2

Division IX Working Group on Optical/IR Interferometry



Optical Long Baseline Interferometry News (OLBIN)

<http://olbin.jpl.nasa.gov>

OLBIN Email Forum

<http://listes.obs.ujf-grenoble.fr/www/info/olbin>

with email address olbin@listes.obs.ujf-grenoble.fr



IAU General Assembly, 21 July 2003
Promenade Meeting Room 2

WG on Optical/IR Interferometry Action Items from 2002



- Update webpage, minutes, and report activities to Division IX
 - P.R. Lawson et al., “Working Group on Optical/IR Interferometry”, *Reports on Astronomy* **25A**, 322-324 (2002)
- Collect lists of calibrators:
<http://olbin.jpl.nasa.gov/software/index.html>
- Advertise release of Michelson Science Center software
- Advertise observing opportunities with VLTI
- Add astronomy-related meetings to OLBIN

Minutes of 2002 meeting can be found at <http://olbin.jpl.nasa.gov/iau/2002>



IAU General Assembly, 21 July 2003
Promenade Meeting Room 2

WG on Optical/IR Interferometry

Action Items from 2002



- Understand the transition from Working Group to Commission
- Inquire if the IAU can endorse grant applications.
- Determine how the Working Group can co-sponsor meetings.
- Investigate how the IAU formalizes catalogs.
- Contact SPIE and express concerns about cost and format of their conferences.

Minutes of 2002 meeting can be found at <http://olbin.jpl.nasa.gov/iau/2002>



IAU General Assembly, 21 July 2003
Promenade Meeting Room 2

WG on Optical/IR Interferometry

Action Items from 2002



- Follow-up with NEVEC, FrInGe, JMMC, and MSC to coordinate a catalog as a common resource.
- Follow up with Ridgway for NSF proposal and funding. Strategic funding? Decadal Survey related subjects.
- Can a multi-disciplinary Center for Stellar Astrophysics be created?
- Leinert to set up a web-based catalog of coatings and beamsplitters.
- Cotton, Pauls, Young, and Monnier to pursue an imaging “Beauty Contest” for 2003 WG Meeting.



IAU General Assembly, 21 July 2003
Promenade Meeting Room 2

Division IX Working Group on Optical/IR Interferometry



Objectives of the 2003 Meeting

- Widen the collaborations undertaken through the European Interferometry Initiative. (Quirrenbach)
- Explore collaborative efforts in topics related to calibration and calibrator selection. (Richichi, Boden)
- Encourage further development and support for software using the interferometry Data Exchange Standard. (Pauls, Boden)
- Seek new areas of scientific collaboration



IAU General Assembly, 21 July 2003
Promenade Meeting Room 2

Division IX Working Group on Optical/IR Interferometry



Other Possible Topics of Collaboration:

- Sponsor an appropriate IAU Symposia for 2005.
- Coordinate Interferometry Schools Europe/USA with IAU support.
- Establish and/or recommend standard notation for optical/infrared interferometry
- Recommend guidelines for division of science/technical subjects at SPIE interferometry conferences.
- Noise properties of Avalanche photodiodes.



IAU General Assembly, 21 July 2003
Promenade Meeting Room 2

Division IX Working Group on Optical/IR Interferometry



The meeting is being held in **Promenade** room 2.

Go down to Level 2, go “Through to Convention Center South”, turn right at the cloak room and follow the signs for the Promenade meeting rooms — then down the stairway under the rotunda. The meeting room is on Level 1, behind the stairs.



IAU General Assembly, 21 July 2003
Promenade Meeting Room 2