Call for Papers and Announcement

Observatory Operations to Optimize Scientific Return (AS11)

Part of SPIE's International Symposium on Astronomical Telescopes and Instrumentation
22–28 August 2002 • Hilton Waikoloa Village Hotel • Waikoloa, Hawaii

Conference Chair: Peter J. Quinn, European Southern Observatory (Germany)

Program Committee: Todd A. Boroson, National Optical Astronomy Observatories; John K. Davies, Joint Astronomy Ctr. (UK); Rodger E. Doxsey, Space Telescope Science Institute; Gautier Mathys, European Southern Observatory (Chili); Junichi Noumaru, National Astronomical Observatory of Japan; Phil J. Puxley, Gemini Observatory; David R. Silva, European Southern Observatory (Germany); David A. Sprayberry, W. M. Keck Observatory

Astronomy at the beginning of the 21st century will be dominated by a new generation of large telescopes on the ground and in space (Gemini, NGST, Subaru, VLT, ALMA). These telescopes represent the biggest investment ever made in astronomical hardware and competition for these new astronomical resources will be fierce. At the same time, astronomical instrument technology has developed to the point where data volumes can saturate typical workstation-based technologies and instrument performance in spatial resolution and wavelength coverage is comparable and complementary from space and on the ground. In order for the astronomical community to be prepared for this new generation of facilities and to be able to realize the maximum scientific return, new paradigms for observatory operation must be exploited. This conference seeks to review and assess current operations systems for large observatories and facilities and to summarize the operational experience and lessons learned to date with new systems. Furthermore, the conference plans to highlight the operational challenges of new facilities and initiatives such as ELTs, ALMA, and interferometry.

Papers are solicited on a wide range of topics related to the conference title, including, but not limited to, the following:

- science proposal solicitation, review, and selection
- observing program definition and processing
- telescope planning and scheduling
- service-mode operations
- mixed-mode operations
- on-line, real-time, data flow systems
- on-line archives in operations
- data quality control
- data distribution
- operations metrics
- demands of survey facilities
- the real observatory–virtual observatory interface
- operations staffing
- observatory operations policies

Abstract Due Date: 28 January 2002
Manuscript Due Date: 29 July 2002
Submission of Abstracts for Astronomical Telescopes and Instrumentation symposium

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Submissions imply the intent of at least one author to register, attend the symposium, and present the paper (either orally or in poster format).

Your abstract must include all of the following:

1. **SUBMIT TO:** AS11, QUINN
2. **SUBMIT EACH ABSTRACT TO ONE CONFERENCE ONLY** Observatory Operations to Optimize Scientific Return (AS11)
3. **ABSTRACT TITLE**
4. **AUTHOR LISTING** (principal author first)
   - For each author: First (given) name (initials not acceptable), Last (family) name, Affiliation, Mailing address, Telephone, Fax, and Email address.
5. **PRESENTATION**
   - Indicate your preference for "Oral Presentation" or "Poster Presentation." Final placement is subject to chairs’ discretion.
6. **BRIEF BIOGRAPHY** (principal/presenting author)
   - Approximately 50 words.
7. **ABSTRACT TEXT**
   - Approximately 250 words.
8. **KEYWORDS**
   - List a maximum of five keywords.

Conditions of Acceptance

- Authors are expected to secure registration fees and travel and accommodation funding, independent of SPIE, through their sponsoring organizations before submitting abstracts.
- Only original material should be submitted.
- Commercial papers, descriptions of papers with no research/development content, and papers where supporting data or a technical description cannot be given for proprietary reasons will not be accepted for presentation in this symposium.
- Abstracts should contain enough detail to clearly convey the approach and the results of the research.
- Government and company clearance to present and publish should be final at the time of submittal. Authors are required to warrant to SPIE in advance of publication of the Proceedings that all necessary permissions and clearances have been obtained, and that submitting authors are authorized to transfer copyright of the paper to SPIE.
- Applicants will be notified of acceptance by mail no later than 3 June 2002. Early notification of acceptance will be placed on the SPIE Web site the week of 29 April 2002 at www.spie.org/info/as

Instructions for Submitting Abstracts

All authors are STRONGLY ENCOURAGED to submit their abstracts by the due date using the "submit an abstract" link on the Web at: www.spie.org/info/as11

Using this method of submission ensures that your abstract will be immediately accessible to the conference chair for review. Using other methods of submission (listed below) will delay the processing of your abstract.

- or E-MAIL each abstract separately to: abstracts@spie.org in ASCII text (not encoded) format. IMPORTANT: to ensure receipt and proper processing of your abstract, the Subject line must include only the following: SUBJECT: AS11, QUINN
- or MAIL your abstract to:
  - ASTRONOMICAL TELESCOPES AND INSTRUMENTATION
  - SPIE, P.O. Box 10, Bellingham, WA 98227-0010 USA
  - Shipping Address: 1000 20th St., Bellingham, WA 98225 USA
- or FAX one copy to SPIE at 360/647-1445 (send each abstract separately).

Oral or Poster Presentation

Instructions for Oral and Poster presentations will be included in your author kit. All Oral and Poster presentations are included in the Proceedings of SPIE and require a manuscript.

Proceedings of SPIE

These conferences will result in full-manuscript Chair/Editor-reviewed volumes published in the Proceedings of SPIE. Correctly formatted, ready-to-print manuscripts are required from all accepted authors. Electronic submissions are highly preferred, and result in higher quality reproduction. Submission must be made in PostScript created with a printer driver compatible with SPIE’s online Electronic Manuscript Submission system. Manuscripts must be submitted in English by 29 July 2002. Authors are required to transfer copyright of the manuscript to SPIE or to provide a suitable publication license. Papers published are indexed in leading scientific databases including INSPEC, Compendex Plus, Physics Abstracts, Chemical Abstracts, International Aerospace Abstracts, and Index to Scientific and Technical Proceedings.

Publishing Policy

Manuscript due dates must be strictly observed. Late manuscripts may not be published in the Proceedings of SPIE, whether the conference volume will be published before or after the meeting. The objective of this policy is to better serve the conference participants as well as the technical community at large, by enabling timely publication of the Proceedings. Papers not presented at the meeting will not be published in the conference Proceedings, except in the case of exceptional circumstances at the discretion of SPIE and the Conference Chair/Editors.

Participant Registration Fee

Authors, coauthors, program committee members, and session chairs are expected to register and pay the conference registration fee. If you are a current SPIE Member you will enjoy an additional discount on your symposium registration fee and on educational short courses.