

# 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 21<sup>st</sup> 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 every 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](http://www.spie.org/info/as)

## Paper Review

To ensure a high-quality conference, all abstracts and Proceedings of SPIE manuscripts will be reviewed by the Conference Chair/Editor for technical merit and suitability of content. Conference Chair/Editors may require manuscript revision before approving publication, and reserve the right to reject for presentation or publication any paper that does not meet content or presentation expectations. SPIE's decision on whether to publish manuscripts is final.

## 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/infolas](http://www.spie.org/infolas)**

**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](mailto: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
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## Participant Registration Fee

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