

Meeting Minutes

ASC OP/TF 7 Lasers Technical Meeting

Sunday January 29, 2023
Sutter Room, 5th Floor
Intercontinental Hotel
Or via Zoom

CALL TO ORDER AND ASSIGNMENT OF NOTE TAKER

Michael Thomas called the meeting to order at 10:07 AM PST. Patrick Augino agreed to take notes for the meeting.

WELCOME AND INTRODUCTIONS

In attendance were:

Michael Thomas, Spica Technologies
Jay Nelson, Edmund Optics
Nathan Carlie, Edmund Optics
Dave Aikens, Savvy Optics Corp
Donna Howland, Lockheed Martin Corporation
John Arenberg, Northrop Grumman Corporation

John McElhenny, ARMY (Observer)
Gary Shaffer, Quantel USA (Observer)
Ella Field, Sandia National Labs (Observer)
John Bellum, Coherent Technologies
Brian Monacelli, Pasadena City College
Zach Strobehn, CMM Optics
Michael Youngworth, Young Optical Design
Patrick Augino, Optimax Systems Inc.

AGENDA ITEMS

1. Introductions and assign note taker – M. Thomas
2. Adoption of Draft Agenda
 - D. Aikens moved that the agenda be accepted without modification. P. Augino seconded, no objections no abstentions, and the motion carried.
3. Approval of the Minutes of the Previous Meeting from January 23, 2022 – M. Thomas
 - P. Augino moved that we accept the minutes of the previous meeting without modification. D. Aikens seconded, no objections, no abstentions, and the motion carried.
4. Discuss Membership
 - Discussion on membership, M. Thomas noted appreciation of national labs and private employer support provided to this group.
 - M. Thomas asked the group to please share information from this meeting with colleagues or others who might be interested in joining.
 - P. Augino shared TF7 current membership list.
5. Up Front Statistical Analysis. Refinement of Model – J. Arenberg
 - “Advancing the NEW LD Standard.pptm” was presented and reviewed (available on Website)
 - This discussion also covered agenda items 6- Data Supporting Use of Flat Top Beam, 7- Data

Supporting Use of Flat Top Beam & 8- Statistical Analysis of Hard Data.

Experimental Effort: Flat Top Beams – Goal is make decent flat-tops and describe how to achieve in standard

Need to test making flat tops – Spica did some initial efforts however need to find other labs to participate.

Scan Parameters and Statistical Independence of Results – goal to determine under what scan parameters the results can be considered statistically independent.

An independence Experiment Plan was discussed – see slide 7 of presentation

Suggestion to resurrect round robin testing with small committee of those willing to review details and resume testing.

8. Preparation of Draft Specification (Work to Date)

Some work has been started by J. Arenberg to outline framework for this standard. J. Arenberg would like to provide framework to a volunteer to author into full standard.

9. Round Robin Testing and Corporate Interest

See item 5.

10. Additional items not on the agenda

N/A

11. Next Meeting Date/Time

- a. Informal meeting at Orlando DCS April 7, 2023
- b. D. Howland moved for an informal in person meeting at DCS in Orlando, 2023, and next formal meeting at the SPIE Laser Damage in Rochester, 2022. D. Aikens seconded, no objections, no abstentions and the motion carried.

12. Adjourn

- a. D. Aikens moved we adjourn, and N. Carlie seconded the motion. No objections, No Abstentions and the motion carried. The meeting was adjourned at 14:15 Pacific.