

**ASC OP – Committee for Optics and Electro-Optical Instruments**  
(Held in conjunction with SPIE Photonics West)  
Monday, February 9<sup>th</sup>, 2015 09:00 PST

Nob Hill Room, Intercontinental Hotel  
888 Howard St., San Francisco, CA 94103

**Welcome and Introductions**

H. Johnson opened the meeting at 09:04 PST with introductions. In attendance were D. Palmari, D. Aikens, A. Krisiloff, W. Czajkowski, G. Boulton, M. Dowell, L. Hanssen, and D. Howland. Quorum was not established, as there are more than 40 voting members of ASC OP. Therefore any resolutions will need to be confirmed with a letter ballot.

**Adoption of Agenda**

M. Dowell moved that the draft agenda be adopted, but modified to add a new Item 6, Request for new consensus body for Fiber Systems Standards, D. Palmari seconded, and the motion carried.

**Approval of Minutes from the Prior Meeting**

D. Howland moved that the minutes to the previous meeting be accepted. Gordon Boulton seconded, and the motion carried.

**Reports**

**TF 1 Optical Glass (H. Johnson)**

In the interests of time, and since all the attendees had also attended the working meetings, the reports from TF1, TF2, TF4 and TF7 were skipped.

**TF 2 Surface Imperfections Specifications (G. Boulton)**

In the interests of time, and since all the attendees had also attended the working meetings, the reports from TF1, TF2, TF4 and TF7 were skipped.

**TF3 Wavefront Specifications (D. Aikens reporting for C. Evans)**

After another one-year hiatus, TF3 convened again with a teleconference on February 3rd, to discuss the feedback from Paul Murphy and others on Peter Takacs' new draft of OP1.005. In addition, OP1.004 passed OP ballot, but has comments that need to be considered. Peter Takacs is going to reach out to Chris Evans and see if he can address the comments before the next meeting of TF3, scheduled for April 20<sup>th</sup> at DSS.

**TF4 American blueprint OP1.0110 drawing standards**

In the interests of time, and since all the attendees had also attended the working meetings, the reports from TF1, TF2, TF4 and TF7 were skipped.

**TF5 Aspheric notation**

Dave Aikens reported for Rich Youngworth that the committee is going to need to restructure yet again. Rich had been hoping Dr. Kate Medicus of Optimax could take over leadership of TF5 as well as continue to manage OP1.006 Aspheric Metrology, but she has found that she doesn't have the time, and we will need to find a new chairman again.

**TF6 IR Materials**

D. Aikens also reported for Adam Phenix that the TF6 committee has now recovered from its problems in 2014, and is recommitted to developing standards for wavebands and reference wavelengths (OP1.007) and sampling protocols (OP1.008) as well as to making index measurements for IR materials this year.

## **TF7 Laser applications**

In the interests of time, and since all the attendees had also attended the working meetings, the reports from TF1, TF2, TF4 and TF7 were skipped.

## **Other Business**

### **Review of membership for balance**

#### **Approval of solicited experts**

The committee briefly reviewed the membership for balance and for compliance to participation fees and activity requirements, and the current entries for members on the website roster. The membership is considered acceptable for balance.

The following changes were proposed to the membership:

Exotic Electro-Optics is now II-VI Optical Systems;  
Bob Hainsey will replace Ron Scotti as SPIE representative;  
Adam Phenix left Leidos (removed) and joined Cymer/ASML (added);  
FLIR Precision Optics is converted to observer due to inactivity and arrears;  
Chris Svec will be converted to observer until his participation fees are paid;  
Harold Johnson Optical Laboratory is now JML Optical;  
Zygo should be removed at the request of the member;  
Chris Evans shall be accepted as an academic member for UNCC;  
Spica Technologies (represented by Michael Thomas) will be accepted as a new member.

Allen Krisiloff proposed that we make all of the above changes. Donna Howland seconded, and the motion carried, subject to the approval of the entire ASC OP by ballot.

In addition, Donna Howland proposed to carry forward Gary Wiese, Bill Royall, Gordon Boulton, and Charles Gaugh as experts serving at the request of the committee, and be provided with voting membership for 2015, subject to the approval of the entire ASC OP by ballot. Leonard Hanssen seconded the motion, and it carried.

In addition, Dave Aikens pointed out that the committee needs to officially approve of Walt Czajkowski representing both APOMA and Edmund Optics.

After making the proposed changes in the spreadsheet, we will have 43 voting members, 15 of whom are producers, 16 are general interest, and 12 are user-industrial, which is balanced.

**RESOLUTION 1:** *In accordance with the membership review of ASC OP conducted at Photonics West, the following members will be accepted or re-accepted as full voting members to ASC OP: Spica Technologies, UNCC Charlotte (Chris Evans), Cymer/ASML and II-VI Optical Systems. The following members will be converted to observer status: FLIR Precision Optics. The following members will be removed at their request or due to acquisition: Zygo Corporation, Leidos, Exotic Electro-Optics. In addition, Chris Svec of Northrop Grumman will be converted to an observer until his participation fees are paid, when he will revert back to being an alternate.*

**RESOLUTION 2:** *In order to ensure the organization is able to continue to benefit from the very specialized knowledge of Charles Gaugh, Gordon Boulton, Gary Wiese and William Royall, they shall be renewed as experts and provided with voting status for 2015.*

**RESOLUTION 3:** *The committee approves Walt Czajkowski as representative of both APOMA and Edmund Optics, until another representative has been identified.*

**RESOLUTION 4:** *The membership list, as modified above, is accepted for balance. No outreach for representation to improve the balance is required at this time.*

**Review and approval of resolutions of TF's**

There were no resolutions of the TFs which required approval.

**Review and approval of TF committees and chairpersons**

The current TF list was reviewed. Donna Howland has been removed as co-chair of TF7, to be replaced by Michael Thomas. Rich Youngworth will continue to serve as chairman of TF5 until a suitable replacement is identified. Dr. Peter Takacs will take over as chairman of TF4. In addition, Hal Johnson will continue to serve as ASC OP chairman, and Walt Czajkowski will remain as vice-chair. The result is the TF's and leadership shown in the following table. Marla Dowell moved we accept the TF list and leadership as shown subject to the approval of the ASC OP by ballot. Gordon Boulbee seconded and the motion carried.

*RESOLUTION 5: In accordance with the review at Photonics West, the following TF committees and chairpersons are approved for 2015. In addition, Hal Johnson shall continue as chairman of ASC OP, and Walt Czajkowski shall remain vice chairman.*

| Task Force | Title  | Chairperson                 |
|------------|--|-----------------------------|
| TF 1       | Optical Glass  | Hal Johnson                 |
| TF 2       | Optical Surface Imperfections                            | Gordon Boulbee              |
| TF 3       | Wavefront Measurement                                    | Dr. Peter Takacs            |
| TF 4       | Conversion of ISO 10110 into American National Standards | Dave Aikens                 |
| TF 5       | Aspheric Optics  | Dr. Rich Youngworth         |
| TF 6       | IR Materials   | Adam Phenis                 |
| TF 7       | Laser Applications                                       | Trey Turner, Michael Thomas |

**Request to form a new consensus body for Optical Fiber Systems Standards**

Dave Aikens explained that he had been approached by Dr. Jey Jeyapalan, of Civic Enterprises, LLC, with a request to form a new consensus body under ASC OP for Optical Fiber Systems Standards. Dr. Jeyapalan previously had been associated with the Global DOFSS Task Group under F36 of ASTM.

Gordon Boulbee asked if this subject was really within the scope of ASC OP? Doesn't our scope explicitly exclude fiber optics standards? Dave Aikens checked the scope documents in our charter and reported that Fiber Optics Standards for Telecommunication were explicitly excluded from our scope. At this time ASC OP has no fiber optics experts or any organization whose core products are fiber related. Marla Dowell observed that there the Telecommunications Industry Association (TIA) would likely be a more appropriate sponsor for the Global DOFSS Task Group. TIA represents manufacturers and suppliers of global communications networks through standards development, policy and advocacy, business opportunities, market intelligence, and events and networking. TIA is accredited by the American National Standards Institute (ANSI) as a "standards developing organization (SDO) for communication systems. Allen Krisiloff pointed out that we are not in a very good position to take on more management responsibilities, given the changes taking place among our own leadership at this time, and this really doesn't seem like a good fit.

Gordon Boulbee moved that we decline the application to create a new consensus body for Optical Fiber Systems Standards, as the technical aspects of the standards do not fill well within our current scope, activities, or expertise. Allen Krisiloff seconded the motion, and it passed without opposition.

**ISO TC172 SC1 Mirror Committee Action Review**

Since the SC1 mirror committee is now robust enough to manage itself (populated entirely by ASC OP members.) The committee decided that there was no need to review the action list at this time.

## Time and Place for Next OP Meeting

Allen Krisiloff moved that we meet next on Monday, February 15th 2016 in San Francisco in conjunction with Photonics West. Dan Palmari seconded, and the motion carried.

## Adjourn

Since there was no further business to come before the committee, Gordon Boulton moved that the meeting be adjourned. Leonard Hanssen seconded the motion, and it carried. The meeting was adjourned at 10:02 PST.

---

## Resolution summary for February 2015 meeting, all to be approved by letter ballot.

**RESOLUTION 1:** *In accordance with the membership review of ASC OP conducted at Photonics West, the following members will be accepted or re-accepted as full voting members to ASC OP: Spica Technologies, UNCC Charlotte (Chris Evans), Cymer/ASML and II-VI Optical Systems. The following members will be converted to observer status: FLIR Precision Optics, Optical Imaging Association. The following members will be removed at their request or due to acquisition: Zygo Corporation, Leidos, Exotic Electro-Optics. In addition, Chris Svec of Northrop Grumman will be converted to an observer until his participation fees are paid, when he will revert back to being an alternate.*

**RESOLUTION 2:** *In order to ensure the organization is able to continue to benefit from the very specialized knowledge of Charles Gaugh, Gordon Boulton, Gary Wiese and William Royall, they shall be renewed as experts and provided with voting status for 2015.*

**RESOLUTION 3:** *The committee approves Walt Czajkowski as representative of both APOMA and Edmund Optics, until another representative has been identified.*

**RESOLUTION 4:** *The membership list, as modified above, is accepted for balance. No outreach for representation to improve the balance is required at this time.*

**RESOLUTION 5:** *In accordance with the review at Photonics West, the following TF committees and chairpersons are approved for 2015. In addition, Hal Johnson shall continue as chairman of ASC OP, and Walt Czajkowski shall remain vice chairman.*

| Task Force | Title  | Chairperson                 |
|------------|--|-----------------------------|
| TF 1       | Optical Glass  | Hal Johnson                 |
| TF 2       | Optical Surface Imperfections                            | Gordon Boulton              |
| TF 3       | Wavefront Measurement                                    | Dr. Peter Takacs            |
| TF 4       | Conversion of ISO 10110 into American National Standards | Dave Aikens                 |
| TF 5       | Aspheric Optics  | Dr. Rich Youngworth         |
| TF 6       | IR Materials   | Adam Phenis                 |
| TF 7       | Laser Applications                                       | Trey Turner, Michael Thomas |