

**Attendees:** Jim Riley, Chair, Nadine Aubry, Chair Elect, Fellowship Committee, Jim Duncan, Vice Chair, Program Committee, Kenny Breuer, Past Chair, Karen Flack, Secretary/Treasurer, Jim Wallace, Councillor, Sanjiva Lele, Member-at-Large, Chair of 2014 meeting, Gianluca Iaccarino, Co-Chair of 2014 meeting, Detlef Lohse, Member-at-Large, Jonathan Freund, Member-at-Large, Beverley McKeon, Member-at-Large, Kate Kirby, APS executive officer, Gary Leal, Physics of Fluids, Ellen Longmire, newly elected Vice Chair, Bob Moser, newly elected Member-at-Large, Paul Linden, newly elected Member-at-Large, Arne Pearlstein, Nominating Committee, Lawrence Ukeiley, External Affairs Committee, Neelesh Patankar, Fluid Dynamics Prize Selection Committee, Gretar Tryggvason, Corrsin Award Selection Committee, Jonathan Rothstein, Acrivos Award Selection Committee, Bill Schultz, Committee on Media & Science Relations, Jean Hertzberg, Committee on Educational & Career Outreach, Chair of 2017 meeting, Jeff Eldredge, Division Website Development Officer, Ken Kiger, Gallery of Fluid Motion Coordinator, Peyman Givi, Co-Chair of 2013 meeting, Anette (Peko) Hosoi, Co-Chair of 2015 meeting, Raul Bayoan Cal, Chair of 2016 meeting, Jason Bardy, APS Media, Bruno Eckhardt, PRL, Eli Ben-Naim, PRE.

Jim Riley welcomed the new executive committee members Vice-Chair Ellen Longmire and Members-at-Large Bob Moser and Paul Linden. He also thanked outgoing members Kenny Breuer and Mike Plesniak for their service to the community.

The minutes of the spring executive committee teleconference were approved and will be posted on the DFD website.

**Updates from APS HQ:** Kate Kirby discussed the role of APS in “advancing and diffusing physics.” APS is a 48 million dollar operation, with three-fourths of the income coming from journals. APS is able to support its efforts to advance physics with the small excess from the cost of running journals. The new strategic plan is on the website. The plan includes promoting education, outreach, advocacy and diversity within the physics community. She also announced the launch of a new journal in January, *PR Applied*.

**Councillors Report:** Jim Wallace reported on the effort to identify historic sites of physics and asked the committee to consider historic sites of fluid dynamics. He also discussed a possible joint meeting with the plasma physics division.

**Treasurers Report:** Karen Flack reported that over the last year, the DFD gained 188 new members. This accounts for 6.51% of all APS members, and it is the 3rd largest among all the divisions (behind Condensed Matter Physics and Particles & Fields). The operating account balance is strong at \$512K and the awards are sufficiently funded. The San Diego Meeting had a net profit of \$30K.

**Pittsburgh Meeting (2013):** Nadine Aubrey and Peyman Givi

Nadine and Peyman commented on the great support they received from the Meeting and More staff. The meeting received 2300 abstracts resulting in 34 parallel sessions, 138 Gallery of Fluid Motion

entries, 120 technical posters, and 50 student posters. There were 2600 registered attendees on the Saturday evening before the meeting,

**San Francisco Meeting (2014):** Sanjiva Lele

The meeting will be held at the Moscone Convention Center in downtown San Francisco. The organizing committee consists of representatives from Stanford, UC Berkeley, Santa Clara University, and NASA Ames Research Center. Hotels have been arranged near the convention center. Space for 38 parallel sessions has been reserved. San Francisco is a high cost location so additional funds have been raised from Stanford University and Santa Clara University. Additional funds are being sought. There was a discussion regarding uploading presentations at a central site prior to the presentation. The SF organizers are not ready to try this out due to potential additional costs. A small scale pilot program may be tested at the SF meeting. APS will implement this at the March meeting and report back on its costs and benefits.

**Boston Meeting (2015):** Peko Hosoi

The Boston organizers have arranged for 35 parallel sessions at the Heinz convention center. There is room to expand to the adjacent Sheraton if needed. They have arranged good rates for hotels and the convention center. The committee is currently considering locations for the reception.

**Portland meeting (2016):** Raul Cal

The organizers have arranged for space for 46 parallel sessions at the Portland convention center. The committee is currently considering locations for reception. Hotels have been reserved adjacent to the convention center and in downtown Portland. All attendees will be given passes for the MAX (light rail) to ride around Portland. The committee is looking for additional help with the organizing committee.

**Denver meeting (2017):** Jean Hertzberg

The meeting will take place at the Colorado convention center in downtown Denver. The site has space to accommodate a growth in the number of parallel sessions. Hotels have been reserved at very competitive rates. The committee is currently considering locations for the reception.

**Program Committee:** Jim Duncan

The program committee focused on three tasks: assisting with the selection of invited speakers, focus sessions and invited sessions for the 2013 Annual Meeting of the Division of Fluid Dynamics, selecting focus sessions and invited sessions for the 2014 March Meeting of the American Physical Society and exploring possible sites for the DFD meetings in 2018 and 2019. The committee is investigating potential meetings in Chicago, San Diego and Las Vegas for 2018. The size of the meeting necessitates advanced planning to reserve a large convention center. An all APS meeting is being planned in 2019 which will take the place of the March meeting.

**Fellowships Committee:** Nadine Aubry

The committee received 34 complete nominations and 18 new fellows accepted. Seven new fellows are from abroad.

**Fluid Dynamics Prize:** Neelesh Patankar

The winner of the prize is Elaine Oran based on her lasting contributions to the study of reacting flows.

**Corrsin Award:** Gretar Tryggvason

The winner of the award is Michael Brenner for his contributions to electrohydrodynamics and droplet splashing.

**Acrivos Award:** Jonathan Rothstein

The committee reviewed 12 high quality dissertations. The committee awarded the Andreas Acrivos Dissertation Award in Fluid Dynamics to Bishakhdatta Gayen. The candidate was nominated by Sutanu Sarkar for his thesis entitled "Turbulence and Internal Waves in Tidal Flow over Topography." There was some discussion regarding expanding the eligibility of the award to foreign students. The committee will discuss this option with the donor.

**Frenkiel Award:** Ali Beskok

The committee considered 28 papers. The winner was Diego Donzis for his paper "Shock structure in shock-turbulence interactions," Phys. Fluids 24, 126101 (December 2012).

**Nominating Committee:** Arne Pearlstein

A new vice chair (Ellen Longmire) and two members at large (Paul Linden and Bob Moser) were elected. The committee would like a more diverse slate of nominations which includes scientists from national labs, faculty from less research intensive universities, and candidates from institutions outside of the United States.

**External Affairs Committee:** Lawrence Ukeiley

The committee gave out \$45K in grants, \$20K from NSF, \$15K from AIP and \$10K from DFD. Of the 235 applications, the top 65 as ranked by the External Affairs Committee were funded. Overall the awardees represented 16 countries. Registration fees were not waived in an effort to help as many as possible. Child care grants (8 x \$400) were given to everyone who applied.

**Media and Science Relations Committee:** Bill Schultz

The committee is interacting with NSF on multidisciplinary projects. Jason Bardy, a press representative discussed the efforts to promote the DFD meeting. These include 9 press releases based on abstracts prior to the meeting plus reporting during the meeting. An NPR science reporter is also in attendance.

**Education and career outreach committee:** Jean Hertzberg

The committee is continuing to develop outreach kits, now using the expertise of the outreach specialist at APS. The committee staffs a resume help desk at the meeting to help with career outreach. An education session on teaching methods contributed session is now part of the regular sorting categories and a fluids education lunch is held on Monday during the meeting. The committee is researching a site to archive teaching methods.

**Gallery of Fluid Motion:** Ken Kiger

Stanford University art gallery would like to have an exhibit showcasing favorites from the gallery of fluid motion. This could potentially turn into traveling exhibit. The committee requested \$5K to support printing and shipping. There was also discussion about the archiving of gallery videos. The current submission process to arXiv is cumbersome. Other options to arXiv, include YouTube and Vimeo.

**DFD Website:** Jeff Eldredge

The website coordinator would like more coordination with the education and media science committee. There was also a discussion on a policy for memorials, with the general consensus that members can submit memorials as desired.

**Jim Riley adjourned the meeting.**