

# APS/DFD Executive Committee Meeting

6:00-9:30 pm, November 21, 2009

Minneapolis Hilton

Attendees: Philip Marcus; Juan Lasheras; Ann Karagozian; Alexander Smits; Ellen Longmire; James Brasseur; Jean Hertzberg, Martin Maxey, Anette Hosoi, Laurette Tuckerman, Lance Collins, Stefan Llewellyn Smith, Julian Domaradzki, Jim Duncan, Peggy Holland, Ken Kiger, Gary Leal, Krishnan Mahesh, Monica Malouf, Andrea Prosperetti, William Schultz, Kenny Breuer, Eckart Meiburg, Tim Colonius

Note: Attachments related to discussion items follow the order below and are appended to this document.

## Key Decisions:

San Diego (with UCSD as host) was chosen for the 2012 DFD annual meeting site.

## Meeting Discussion

### 1. Opening Remarks (Phil Marcus, Chair):

Introduction of newly elected members:

Kenny Breuer, Vice Chair

Eckart Meiburg, Secretary/Treasurer

Tim Colonius, Member at Large

(Elisabeth Guazzelli, Member at Large, could not attend.)

### 2. Approval of minutes of the May 2009 Teleconference

### 3. Reports on Annual Meetings

#### a. 2009 Meeting, Minneapolis (Krishnan Mahesh) (see attached budget based on pre-meeting registration)

Attendance: 1686 participants pre registered. Prior to the meeting, registration of 1750-1800 was expected which was projected to result in a budget surplus. (**Update: total meeting attendance was actually 1905**). The program includes 20.5 parallel sessions and 4 minisymposia in addition to the invited lectures.

#### b. 2010 Meeting, Long Beach (Julian Andrzej Domaradzki) (report attached)

The Long Beach convention center has been booked and contracts have been signed with the Hyatt, Westin, and Renaissance hotels. The reception will be held at the Long Beach Aquarium, which is within walking distance of the meeting site.

Since the annual attendance continues to rise, it was thought that the number of rooms reserved in the convention center (21/22) might be insufficient. In this case, the mini-symposia might be held at the Hyatt which is located next door.

The local organizing committee includes 26 members with key contacts from USC, Caltech, UCLA, and CSULB.

#### c. 2011 Meeting, Baltimore (Andrea Prosperetti) (report attached)

The meeting and reception will both be held at the Baltimore Convention Center. Many hotels are located within four blocks of the meeting site. Contracts have been signed with the Hyatt and

Day's Inn, while a contract with the Sheraton is pending. The local organizing committee at Johns Hopkins will be assisted by colleagues at University of Maryland.

4. Report on NSF funding (Bill Schultz) (report attached) Bill gave a short summary of funding amounts and trends in the last year. Significant parts of these funds came from interdisciplinary programs and special opportunities within NSF. Also, regular base funds of \$9.5M were supplemented by ARRA funds of \$4.5M. He noted that good public relations highlights help increase fluid dynamics exposure. Also, he recommended that we hold more workshops which often can lead to solicitations or special opportunities down the line.

5. Proposal to host 2012 Meeting, San Diego (Juan Lasheras, Tom Bewley) (report attached) UCSD last hosted a DFD meeting in 2001 at the Marriott. Two possible venues were proposed to the ExCom for 2012: the Marriott near the gas light district or the Hotel del Coronado on Coronado Island. The potential merits of each were discussed in some detail. The Marriott venue is easily large enough to support the DFD meeting, and it is convenient to many restaurants and tourist attractions. Possible reception sites could be the Midway Aircraft Carrier, the Aerospace Museum, or the Museum of Natural History. The Hotel del Coronado, a historic resort property, is directly on the beach and is offering substantial room rate reductions compared with the normal cost to tourists. For this alternative, the reception could be held in the hotel ballroom. Juan and Tom will explore each of the possible venues further.

The ExCom voted its approval of San Diego for the 2012 meeting site.

6. Treasurer's Report (Ellen Longmire) (report attached)

- a. The tables in Appendix G give account balances in March for the last several years and the account balances as of Sept 30, 2009. The data from March can be compared reliably from year to year because all meeting and award expenses have cleared by that time.
- b. The Fluid Dynamics Prize and Acrivos Award accounts are continuing to increase modestly each year after payment of awards and expenses.
- c. The DFD operating account has increased each year since 2005, and currently includes \$454,000 available for expenditure, so the balance is very healthy. (In November 2008, the ExCom voted to use \$100,000 of these funds to endow a new award, which is described below. To date, none of this \$100k has been encumbered).

7. Division Councillor's Report (Jim Brasseur) (report attached)

The APS Council meeting will coincide with the DFD meeting in Long Beach in 2010.

8. Program Committee (Juan Lasheras) (report attached)

For the 2009 meeting, the committee chose 4 minisymposia from 9 submissions and 8 invited speakers from 37 nominations. Juan proposed that, in the future, the Program Committee should include 1-2 members of the local organizing committee as well as the chair of the previous meeting. The ExCom generally agreed with this idea.

The merits of DFD connection with and activities at the annual March APS meeting were also discussed. Currently the Chair Elect is responsible for organizing a set of invited sessions (~4) at this meeting. It was argued that DFD interest in and attendance at the March meeting is small and that these invited sessions are typically poorly attended. On the other hand, several members suggested that some of these sessions were indeed worthwhile and that some DFD members are indeed interested in attending the March meeting. It was suggested that the Program Committee help the Chair Elect organize these sessions in the future.

9. Ad Hoc Committee on Media and Public Relations (Jim Brasseur/Jim Duncan/Jason Bardi)

(report attached)

This committee was previously authorized to spend \$15k on media/pub relations in 2009 and 2010 with an objective to increase fluid dynamics funding. Jim, Jim, and Jason discussed press releases and publicity related to the DFD meeting as well as additional efforts ongoing throughout the year. The ExCom felt that, in the coming year, this committee should come up with a proposal for its future charge and how its charge should related to that of the existing Publications and Media Committee.

Also, it was agreed that \$3000 of DFD funds could be spent on framed posters of interesting flows to be displayed at NSF.

10. Discussion on new DFD award (Phil Marcus) (report attached)

The name and selection criteria were chosen by the Fluid Dynamics Prize Committee. The award proposal must be approved by APS. It is anticipated that the award will be approved by mid-April 2010 and in this case, a call for nominations could be made in Spring 2010. The ExCom felt that two independent committees should evaluate candidates for the new award and the DFD prize, with the two committee chairs maintaining some communication with regard to applicant pools.

11. Brief Reports from other Committees

Nominating Committee (John Kim): (report attached below)

Fluid Dynamics Prize Committee (Moshe Matalon): (report attached)

Committee Chair Matalon noted that a smaller committee (~5 members) would function more easily than his 8 member committee, and suggested that the committee chair might recommend future committee members.

Frenkiel Award Committee (Omer Savas): (report attached)

Aditya Khair and Todd Squires of UCSB shared the award.

Acrivos Award (Rodney Fox): (report attached)

The winner was chosen from a pool of 5 nominees. The committee recommended that the requirement for submission of hard copies be eliminated since all nominees submit electronic copies anyway.

Fellowship Committee and Electronic Newsletter (Ann Karagozian): (reports attached)

Winners were chosen from 28 nominees (10 carryover nominees). Seventeen candidates were selected, and all were awarded fellowship by APS.

Publications and Media Committee (Bud Homsy):

This committee was essentially inactive over the previous year, and it was argued that this committee's activities could largely be covered by the Ad hoc Media and Public Relations Committee.

External Affairs Committee (Michael Plesniak): (report attached)

A total of 67 travel grants were offered based on a pool of 181 applicants. The grants were funded by an NSF grant of \$20,000 obtained by Mike Plesniak, \$15,000 provided by DFD, and \$10,000 from AIP in recognition of *Physics of Fluids* (AIP funding will recur for the next four

years).

DFD website (Ken Kiger):

Ken continues to interact with APS staff to maintain and update the DFD website.

USNCTAM (John Foss): (report attached)

Ad hoc Committee on Cyberfluids (PK Yeung): (report attached)

The committee was formed in May, 2008 with the goal of advocating for fluid dynamics opportunities within cyber-related challenges. In August 2009, the committee organized a visit to NSF to meet with incoming Program Director Henning Winter in order to highlight the importance of the broad research efforts in the DFD community.

Proposal to add student member to ExCom (Phil Marcus) (report attached)

This idea was discussed. Potential issues were: how would the student be elected? how would the student interact with and solicit information from other students? Should DFD have an Ad hoc committee of students with which the ExCom could consult? This idea will be discussed further at the May 2010 telecon.

12. Remarks from Vice Chair (Juan Lasheras):

Juan thanked Phil for his service to the division.

He needs recommendations for new committee members in 2010.