



## CFD TECHNICAL COMMITTEE

Monday, November 18, 2002

4:30 – 6:20 p.m.

IMECE 2002

Hilton Hotel, New Orleans, LA

### MEETING MINUTES

Number of Members in attendance: 19

Peter Raad, Chair of the CFDTC, convened the meeting at 4:35 p.m.

1. The minutes of the Committee Meeting at the FEDSM 2002 were unanimously approved.
2. Update on JFE by Joe Katz
  - a. JFE is transitioning to a web-based submission and review system, which will help the authors, the associate editors, and the editor's office keep track of the process in a transparent way and ultimately speed it up. ASME has been responsive. Standards have not changed.
  - b. March issue included eight invited papers on quantifying uncertainty in CFD
  - c. June issue contained 11 articles on pump analysis and design
  - d. December issue will showcase 13 papers on LES techniques
  - e. Requested names for consideration as Associate Editors
  - f. The four issues of 2002 contained 126 papers, compared to 115 a year ago. The number of pages rose from 985 to 1062 (8%). The largest contributing area is CFD, at 30%; second is fluid mechanics with 21%. Acceptance rate is about 50%.
  - g. There was a discussion regarding JFE's "impact factor," which is low. Journal issues dedicated to particular areas should help increase citations, which in turn will help the journal's impact.
3. Peter Raad reported on the Executive Committee Meeting that was held at 10:30 a.m., Monday, November 18, 2002.
  - a. The FEDSM04, which is being held jointly with HTD, will take place in Charlotte, NC, on July 11-15, 2004.
  - b. Since the submission and review process will be handled via the web, the schedule has been shortened for both Symposiums and Forums. The new deadlines are given in the following table:

**Table 1 New Deadlines for FEDSM 2004 in Charlotte, NC**

	<b>Symposium</b>	<b>Forum</b>
EC Approval	02 IMECE (22-Nov-02)	03 FEDSM (10-Jul-03)
Abstract due to organizers	1-Oct-03	2-Feb-04
Notification of abstract acceptance	15-Oct-03	16-Feb-04
Draft papers due on web site	15-Dec-03	–
Notification of paper acceptance	1-Mar-04	–
Final paper and completed copyright form due on web site	15-Apr-04	15-Apr-04

- c. Items regarding the FEDSM'03 in Hawaii
    - o There are 9 rooms with 50+ capacity and 5-6 rooms with 100+ capacity. Ali Ogut asked that organizers let him know by January 2003 how many attendees they expect for their symposium/forum. Ali also asked that organizers communicate to him the number of sessions that they will need.
    - o Session duration will be 100 minutes. There will be five papers in each session. A keynote paper takes two paper slots. Only one keynote per session.
    - o Keynote speakers should not be listed or approached as invited, as ASME does not subsidize their registration fee or their travel. We should communicate the names of the Keynote speakers in time for inclusion in the Meeting Program to promote the talks.
    - o We should suggest plenary speakers in topics of the meeting themes.
  - d. Nominations of Outstanding Papers from FEDSM'02 and IMECE'02 should be communicated to Volkan Otugen, chair of the awards committee. There are three different awards: Knapp, Moody, and Thurston.
  - e. Calls for Papers for repeating Symposia/Forums need not go through TC approval in subsequent years. Nevertheless, a Call is still required. This will make the TC meetings more efficient.
  - f. FED bylaws are being updated.
  - g. Elections for TC Chairs and Vice-Chairs will be held at FEDSM'04.
4. Update on Sub-Committee for CFD Standards for Publication – Urmila Ghia.
- Sub-Committee has continued its discussions via email, and will also meet face-to-face at the current IMECE meeting. Last summer, the Sub-Committee submitted a paper to the AIAA meeting in Reno. The paper has been accepted and will be presented in January. The Sub-Committee will coordinate with Joe Katz for feedback and acceptance as a JFE guideline.

5. Discussion and Approval of “Calls for Papers” for future meetings:
  - Previously submitted Calls were reviewed for input regarding number of sessions.
  - One new Call for a recurring Forum was presented “Advances in free surface flows and interface fluid dynamics X.” The Forum is organized by Raad, Tomiyama, and Tryggvason, and is co-sponsored by the MFTC.
  - A previously proposed Symposium for FEDSM’04 “Advanced CFD applications to transport phenomena in nuclear engineering” needs a call. The call will be presented to the Executive Committee by Kumar Rohatgi.
  - A correction should be noted on the FED Program Plan:
    - The status of S-377 “Advances and applications of LES” should be “Approved” as opposed to “Proposed”
6. Update on the activities of other committees and societies
  - Peter Raad reported on the upcoming APS-DFD meeting, which he is chairing
  - Karman Ghia reported on the activities of AIAA. AIAA has changed the TC structure to take the lead in focusing discussion on future symposia; so, less emphasis on business and more on technical direction. There is an incoming new editor-in-chief for the AIAA Journal.
7. Member Concerns and New Ideas:
  - A concern was voiced that the session chairs for the Monday Plenary Session did not show up, and authors were not notified. It was strongly felt that organizers must attend the meeting. On a positive note, LCDs are working out quite well.
  - There was a discussion regarding industry response and feedback to the CFD uncertainty guidelines being developed. Will industry be able to comply? The response was that the standards were being developed for journal publication, and not for the acceptance or verification of commercial codes. An opinion was voiced that the committee cannot expect to impose guidelines on industry. However, if we’re asked by industrial committees to provide general guidance, then perhaps we could do so.
  - A discussion ensued regarding issues related to uncertainties that are associated with inlet and boundary conditions. A case was made for the need for sensitivity analysis.
  - It was generally agreed that verification and validation of numerical codes and results was an important topic that should receive full attention.
  - Require that panel discussions be documented in writing and that the reports be included in the proceedings of the following meeting as well as published on the division’s web site.
8. The meeting adjourned at 9:55 p.m.