

**MINUTES OF THE MATHEMATICS AND COMPUTATION DIVISION
EXECUTIVE COMMITTEE MEETING
AMERICAN NUCLEAR SOCIETY
Omni Shoreham Hotel, Washington, DC
October 30, 2011**

Officers Present:

Anil Prinja, University of New Mexico, prinja@unm.edu, Chair
Todd Urbatsch, LANL, tmonster@lanl.gov, Vice Chair
Jeff Densmore, LANL, jdd@lanl.gov, Secretary
Andy Smetana, SRNL, andy.smetana@srnl.doe.gov, Treasurer

Executive Committee Members Present:

Massimiliano Rosa, LANL, maxrosa@lanl.gov
Troy Becker, KAPL, beckertr@gmail.com
Greg Davidson, ORNL, davidsongg@ornl.gov
Tom Evans, ORNL, evanstm@ornl.gov
David Griesheimer, Bechtel Bettis, dgrieshe@umich.edu

Others Present:

Richard Martineau, INL, Richard.Martineau@inl.gov
Bob Grove, ORNL, grovere@ornl.gov
Jae Chang, LANL, jhchang@lanl.gov
Rachel Slaybaugh, University of Wisconsin, r.slaybaugh@gmail.com
Wei Ji, RPI, jiw2@rpi.edu
Patrick Brantley, LLNL, brantley1@llnl.gov
Brian Franke, SNL, bcbfrank@sandia.gov
Madeline Feltus, DOE, Madeline.feltus@nuclear.energy.gov

1. ***Call to Order and Consideration of Agenda*** – Anil Prinja
Chair Anil Prinja called the meeting to order at 2:03 pm and distributed the agenda.
2. ***Approval of the Previous Meeting Minutes*** – Jeff Densmore
The minutes of the June 26, 2011 meeting held at the Westin Diplomat, Hollywood, FL, were distributed and approved.
3. ***Chair's Report*** – Anil Prinja
The following division metrics changed status from 2009 to 2010:
 - national meeting participation (white to green) due to more MCD sessions at national meetings
 - professional development (green to white) because there were no MCD-sponsored workshops last year (there was no topical meeting held last year)
 - membership trends (white to green)
 - communications (green to white) because there were no division newsletters published last year

- society leadership (green to yellow) because the chair and vice chair did not attend any Professional Divisions Committee meetings last year

In addition, support of class III topical meetings remained yellow because the division does not sponsor these types of meetings.

4. *2012 Student Conference*

Several students from UNLV visited the committee and thanked the division for its support of the upcoming 2012 ANS Student Conference. They updated the committee on the preparations they have made since their last visit in June, including technical tours, workshops, and finalizing venues. They also asked for volunteers for technical judges and session chairs.

5. *Vice Chair's Report* – Todd Urbatsch

The roundtable on Monday afternoon is “Mathematics and Computation in the Real World” with panelists Andrew Cook (Areva), Steven Arndt (NRC), Joseph Schumer (NRL), and Kord Smith (MIT).

6. *Treasurer's Report* – Andy Smetana

- **Budget:** The only expenses this year have been for Farzad Rahnema's gavel and student support. Because M&C 2011 was a class IV topical meeting, the division will not receive the expected \$5000 for sponsoring this conference. The complete treasurer's report is attached at the end of the minutes.
- **Ely Gelbard Scholarship:** A proposal is needed for the initial funding of the Ely Gelbard scholarship.

7. *Program Committee's Report* – Patrick Brantley

- **New Assistant Technical Program Chair:** the new assistant TPC is Brian Franke
- **Current Meeting:** There were 39 summaries submitted, 4 of which were moved to different divisions and 30 of which were accepted for presentation in MCD sessions. Due to the large number of presentations and space limitations at this meeting, there is an MCD session from 4 to 6 pm on Tuesday.
- **Upcoming Meetings:** There is a special session being organized on reduced-order modeling for the June 2012 annual meeting. The submission deadline for this meeting is in January. Special sessions are also needed for the next winter meeting in November 2012.
- **M&C 2013:** Rich Martineau reported on the status of the next topical meeting to be held May 5-9 in Sun Valley, ID. They intend on having both a best paper award and a special issue of Nuclear Science and Engineering featuring papers from this conference. A tentative timeline for paper submission is a call for papers in February 2012, summaries due in July, and full papers due at the end of the year. They plan on having three parallel oral sessions and a poster session. The conference website is www.mc2013.org.
- **M&C 2015:** Proposals are needed for the topical meeting to be held in 2015, ideally in the eastern United States.

- **“Best of” sessions:** Madeline Feltus suggested having “Best of” sessions at ANS winter and annual meetings featuring papers from recent topical meetings. The program committee will consider this.
- **Awards:** Joe Zerr is this year’s Mark Mills Award winner, and will present a talk based on his submission on Tuesday morning. There was no Best Summary and Presentation Award given for the 2011 annual meeting.

8. *Standing Committee Reports*

a. *Students* – Dave Griesheimer

15 students requested tickets for the president’s reception, 5 tickets were donated, so the division purchased 10.

b. *Membership* – Madeline Feltus

There are 1094 members of MCD. Please renew your ANS membership by December to be counted in this figure. Also, please join a local section if there is one near you.

c. *Standards* – Andy Smetana

ANS 10.5, which concerns accommodating user needs in scientific software, has been reaffirmed. A new standard regarding requirements for software developers is under development.

d. *Joint Benchmark* – Anil Prinja for Glenn Sjoden

Before this meeting, the committee voted via e-mail to not provide funds for the Joint Benchmark workshop held on Saturday evening. RPSD and RP divisions did provide \$200, as did G.E. Sjoden, LLC and Barry Ganapol personally.

Sponsoring workshops such as this one in the future was discussed.

e. *Newsletter* – Greg Davidson

Greg Davidson and Teresa Bailey are soliciting contributions for the newsletter, which will be published at the end of November.

f. *Web* – Jeff Densmore for Todd Palmer

Todd Palmer is updating the division webpage. The webpage will be moved to a site hosted by ANS soon.

9. *Old Business* - none

10. *New Business*

- ***Rules and Bylaws:*** Todd Palmer has revised the division’s rules and bylaws in order to be in compliance with the ANS national rules and bylaws. A motion was passed that the executive committee review these changes and vote via e-mail by January 2012.
- ***Strategic Plan:*** Please provide comments on the new ANS strategic plan via the listserv (mcd@list.ans.org) by December.

11. *Next Meeting*

The next meeting of the MCD Executive Committee will be at the ANS Annual Meeting in June 2012.

12. *Adjournment*

The meeting was adjourned at 3:50 pm.

Respectfully submitted,

Jeff Densmore, Secretary,
ANS Mathematics and Computation Division

Mathematics and Computations Division

Calendar Year 2011		2011 Proposed	2011 Actual 10 months	Details
Income				
	Carry Forward, Prior Year	39,015	40,857	
	Member Allocation	2,194	2,290	\$2 per MCD member
	Other Budget Funds	5,000		\$5,000 from M&C 2011
	Total Budget Funds	46,209	43,147	
Expenses				
	Newsletters	0		
	Awards, Plaques	500		\$500 Best Summary + Presentation Award, ANS Summer Meeting
		500		\$500 Best Summary + Presentation Award, ANS National Meetings
			59	Farzad Rahnema Gavel award
		500		\$500 Distinguished Service
	National Meeting Costs	0		
	Division Officer Expense	0		
	Student Support	1,000	1,000	\$1000 ANS Student Travel
		2,500	2,500	\$2500 ANS Student Conference 2012
		2,015	1,020	\$2015 President's Reception Student Tickets
	Scholarship/Need Funding	10,000		Initial Funding for Ely Gelbard Scholarship
	Other Expenses	0		
	Total Expenses	17,015	4,579	
Carry Over, Year End		29,194	38,568	

Dannels Scholarship

Balance 01/01/11	59,155
Plus 8 Months Interest	2,030
Plus Receipts	0
Minus Disbursements	0
Balance 8/31/11	61,185