

**MINUTES OF THE MATHEMATICS AND COMPUTATION DIVISION
EXECUTIVE COMMITTEE MEETING
AMERICAN NUCLEAR SOCIETY
The Westin Diplomat, Hollywood, FL
June 26, 2011**

Officers Present:

Farzad Rahnema, Georgia Tech, farzad@gatech.edu, Chair
Jeff Densmore, LANL, jdd@lanl.gov, Secretary
Andy Smetana, SRNL, andy.smetana@srnl.doe.gov, Treasurer

Executive Committee Members Present:

Kevin Clarno, ORNL, clarnokt@ornl.gov
Sandra Dulla, Politecnico Torino, sandra.dulla@polito.it
Imre Pazsit, Chalmers, imre@chalmers.se
Tom Evans, ORNL, evanstm@ornl.gov

Others Present:

Patrick Brantley, LLNL, brantley1@llnl.gov
Todd Urbatsch, LANL, tmonster@lanl.gov
Todd Palmer, Oregon St., palmerts@ne.orst.edu
Barry Ganapol, UA, ganapol@cowboy.ame.arizona.edu
Hany Abdel-Khalik, NCSU, abdelkhalik@ncsu.edu
David Griesheimer, Bechtel Bettis, dgrieshe@umich.edu
John Garter, AFRL (retired), jgarth75@comcast.net

1. *Call to Order and Consideration of Agenda* – Farzad Rahnema

Chair Farzad Rahnema called the meeting to order at 2:00 pm and distributed the agenda.

2. *2011 Student Conference*

Several students from Georgia Tech visited the committee and thanked the division for its support of the 2011 ANS Student Conference. The conference had 672 participants (a new record for a student conference), 12 guest speakers, 8 workshops, and 3 tours. The winner of the MCD award was Bo Shi (Georgia Tech).

3. *2012 Student Conference*

Vanessa Sanders and Sherry Faye (UNLV) visited the committee and discussed the upcoming 2012 ANS Student Conference, to be held April 12-15 in Las Vegas, NV. They distributed brochures describing the conference in detail. In addition, they asked for volunteers for technical judges and session chairs.

4. *Approval of Previous Meeting Minutes* – Jeff Densmore

The minutes of the November 7, 2010 meeting held at the Riviera Hotel & Casino, Las Vegas, NV, were distributed and approved.

5. *Chair's Report* – Farzad Rahnema

- **2009 Division Metrics:** The division received no reds, but two yellows for (i) support of class III topical meetings and (ii) society leadership. Ways of increasing the division's participation in society leadership was discussed. A motion was passed that the MCD Technical Program Chair also serve on the national program committee. Todd Urbatsch will check if the national program committee will allow this.
- **Awards:** Hayes Stripling (TAMU) is the recipient of the Dannels Scholarship, and Mike Williams (Imperial College) is the recipient of the Pomraning Award. There were no nominations for the young investigator or service awards.
- **Review of MCD Strategic Plan:** Anil Prinja is making progress and will report at the next meeting of the committee.

6. *Vice Chair's Report* – Todd Urbatsch for Anil Prinja

- **Professional Divisions Committee:** Steven Arndt is the new MCD board liaison. ANS wants to know what the professional divisions' IT needs are. There is a new technical working group for nuclear nonproliferation. Mikey Brady is working on having all (including retired and deceased) fellows listed on the ANS webpage.
- **Webpage and Secretary Duties:** A motion was passed to (i) move the division webpage to a site hosted by ANS, and (ii) beginning in 2012, have the secretary be responsible for the division newsletter and maintaining the webpage.
- **Gift to Outgoing Chair:** Farzad Rahnema was presented a plaque.

7. *Treasurer's Report* – Andy Smetana

- **Expenses:** The only expense to date this year is \$1000 for student travel. The complete treasurer's report is attached at the end of the minutes.
- **2012 Student Conference:** A motion was passed to provide \$2500 to the 2012 ANS Student Conference.

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

- **M&C 2011:** Sandra Dulla reported on the recent topical meeting held in Rio de Janeiro, Brazil. This meeting had 262 papers and 220 participants.
- **Current Meeting:** There were 55 summaries submitted, 19 of which were moved to different divisions and 30 of which were accepted for a total of 5 MCD sessions. The roundtable on Monday afternoon is "Monte Carlo Methods in Reactor Physics: Current Status and Future Prospects".
- **Winter Meeting:** The review process is underway, but the deadline has been extended and summaries are still being accepted.
- **M&C 2013:** Teri Ehresman (INL) reported on the status of the next topical meeting to be held May 5-9, 2013 in Sun Valley, ID. They are planning on 250 papers, 400 participants, and a registration fee of \$750. They expect a total profit of \$200,000, of which the MCD share would be \$50,000. Teri also distributed brochures describing the plans for the topical meeting in more detail. Kevin Clarno suggested adding international members to the technical program committee.
- **PHYSOR 2012:** Papers are due October 31.

- **Best Summary and Presentation Award:** The winners of the Best Summary and Presentation Award from the 2010 winter meeting were Gregory Davidson, Thomas Evans, Rachel Slaybaugh, and Christopher Baker for their summary “Massively Parallel Solutions to the k-Eigenvalue Problem”.

9. ***Standing Committee Reports***

a. ***Students*** – Kevin Clarno

22 tickets for the president’s reception were requested by students. 8 students were workers, 2 tickets were donated, so the division purchased 12 tickets for this meeting.

b. ***Membership*** – Farzad Rahnema for Madeline Feltus

MCD membership increased slightly last year. 9.5% of ANS members are members of MCD.

c. ***Standards*** – Andy Smetana

The high fidelity software standard should be voted on soon.

d. ***Joint Benchmark*** – Glenn Sjoden

A special meeting the Saturday before the winter meeting is being organized to document existing benchmarks.

e. ***Web*** – Todd Palmer

The officer list, committee membership, and past copies of minutes and newsletters needs to be updated.

10. ***Old Business***

Todd Urbatsch reported that no one was invited to Todd Palmer’s wedding and passed around a wedding registry to sign.

11. ***New Business*** - none

12. ***Next Meeting***

The next meeting of the MCD Executive Committee will be at the ANS Winter Meeting in November 2011.

13. ***Adjournment***

The meeting was adjourned at 3:06 pm.

Respectfully submitted,

Jeff Densmore, Secretary,
ANS Mathematics and Computation Division

Mathematics and Computations Division

Calendar Year 2011

		2011 Proposed	2011 Actual 5 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
		500		\$500 Distinguished Service
	National Meeting Costs	0		
	Division Officer Expense	0		
	Student Support	1,000	1,000	\$1000 ANS Student Travel
		2,500		\$2500 ANS Student Conference 2012
		2,015		\$2015 President's Reception Student Tickets
	Scholarship/Need Funding	10,000		Initial Funding for Ely Gelbard Scholarship
	Other Expenses	0		
	Total Expenses	17,015	1,000	
Carry Over, Year End		29,194	42,147	