

**MINUTES OF THE MATHEMATICS AND COMPUTATION DIVISION
EXECUTIVE COMMITTEE MEETING
AMERICAN NUCLEAR SOCIETY
Riviera Hotel & Casino, Las Vegas, NV
November 7, 2010**

Officers Present:

Farzad Rahnema, Georgia Tech, farzad@gatech.edu, Chair
Anil Prinja, UNM, prinja@unm.edu, Vice 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
Ray Gamino, KAPL, ray.gamino@unnpp.gov; rggamino@alum.mit.edu
Sandra Dulla, Politecnico Torino, sandra.dulla@polito.it
Richard Sanchez, CEA, richard.sanchez@cea.fr
Avneet Sood, LANL, sooda@lanl.gov
Aaron M. Watson, KAPL, watsona4@gmail.com
Imre Pázsit, Chalmers, imre@chalmers.se
Yousry Azmy, NCSU, yaa3@ncsu.edu

Others Present:

Paul Hulse, Sellafield LTD, paul.hulse@sellafieldsites.com
Patrick Brantley, LLNL, brantley1@llnl.gov
Todd Urbatsch, LANL, tmonster@lanl.gov
Todd Palmer, Oregon St., palmerts@ne.orst.edu
Melissa Hunter, Westinghouse, hunterma@westinghouse.com
Clell Solomon, KSU/LANL, csolomon@lanl.gov
Madeline Feltus, DOE, Madeline.feltus@nuclear.energy.gov
Bernie Kirk, ORNL, kirkbl@ornl.gov

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. *Approval of Previous Meeting Minutes* – Jeff Densmore

The minutes of the November 15, 2009 meeting held at the Omni Shoreham Hotel, Washington, DC and the June 10, 2010 meeting held in San Diego, CA, were distributed and approved.

3. *Chair's Report* – Farzad Rahnema

- **2011 Student Conference:** Several students representing the 2011 ANS Student Conference, to be held at Georgia Tech, visited the committee and distributed brochures. They stated that they need volunteers for judges and recommendations for speakers.

- **Gift to Outgoing Chair:** Todd Palmer, the outgoing chair, was presented a gavel and a plaque by Farzad Rahnema.
- **2009 Division Metrics:** The division received a yellow for support of class III topical meeting. However, there is nothing we can do about this because the division typically doesn't support these types of meetings.
- **Review of MCD Strategic Plan:** A committee consisting of Anil Prinja (chair), Farzad Rahnema, and Todd Palmer will review the strategic plan for the division.
- **2010 Student Conference Support:** \$2500 was issued to the 2010 ANS Student Conference.
- **Awards:** The recipient of the Dannels scholarship is Hayes Stripling. Nominations for the service and Pomraning awards are due in January, 2011. Increasing the number of nominations for these two awards was also discussed.

4. *Vice Chair's Report* – Anil Prinja

The roundtable session is Monday at 1 pm. The topic is neutron transport and thermal hydraulics for CASL. Speakers include Paul Turinsky, Bill Martin, and Rob Lowrie. This is a full session, not a half session.

5. *Treasurer's Report* – Andy Smetana

- The treasurer's report is attached at the end of the minutes.
- The only new expense was support of the 2011 ANS Student Conference (\$2500).
- A new \$10,000 scholarship honoring Ely Gelbard was discussed. Yousry Azmy will be asked to lead the creation of this scholarship.

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

- **Current Meeting:** There were 31 summaries submitted, approximately 20 of which were accepted for a total of 3 MCD sessions.
- **M&C 2013:** We need proposals for hosting the MCD topical meeting in 2013.
- **Best Summary and Presentation Award:** Anil Prinja was presented this award for his summary at the June 2010 meeting.
- **MC+SNA 2010:** Forrest Brown gave an overview of the recent MC+SNA conference held in Tokyo, Japan.
- **Status of M&C 2011:** Sandra Dulla reported on the status of the upcoming topical meeting to be held in Rio de Janeiro, Brazil. The registration fee for this conference is expected to be \$750, while hotel rooms at the conference hotel are \$150/night. Furthermore, Brazil requires visas for U.S. citizens, which may cost as much as \$200 each, potentially limiting U.S. participation. There 12 technical tracks planned, several of which (nuclear fuels, nuclear material, and homeland security) still require track leaders. The due date for paper submission has been moved to November 30, 2010.

7. *Standing Committee Reports*

a. *Students* – Kevin Clarno

Two tickets for the president's reception were requested and two tickets were donated, so the division didn't need to purchase any student tickets for this meeting.

b. **Standards** – Andy Smetana

Andy reported on the status of Working Group 10.7 (high fidelity software).

c. **Joint Benchmark** – Glenn Sjoden

The Joint Benchmark Committee needs more visibility with respect to benchmark needs and guidelines. The roundtable session is Monday at 1 pm.

d. **Publicity** – Avneet Sood

The November newsletter was not completed in time. This newsletter will possibly be completed and distributed after the ANS meeting. It was suggested that the division newsletter be used to advertise talks and solicit nominations for awards.

e. **Web** – Todd Palmer

Yes, we have a division webpage.

f. **Membership** – Madeline Feltus

Madeline distributed a chart showing the number of division members over the last several years (attached). However, she needs help in keeping track of students. She also asked members to renew their memberships before the end of the year so that they count towards the division total. Madeline also suggested becoming an ANS benefactor (as opposed to paying dues) for tax purposes if your employer (i.e., DOE) does not reimburse you for professional society membership dues.

8. **Old Business**

Richard Sanchez reported that only dues-paying fellows (i.e., not those retired or deceased) are listed as fellows on the ANS webpage. Anil Prinja suggested listing all MCD fellows on the division webpage.

9. **New Business**

- Workshops for professional divisions are on Saturday before ANS meetings
- Glenn Sjoden is now at Georgia Tech.
- Bernadette Kirk reported that only two people attended the Computational Medical Physics Working Group (CMPWG) meeting and there are currently no officers for this working group. Ali Haghghat, Glenn Sjoden, Farzad Rahnema, and Bernadette Kirk will discuss finding a new chair for CMPWG.
- Ray Gamino is running for ANS Board of Directors.

10. **Next Meeting**

The next meeting of the MCD Executive Committee will be at the ANS National Meeting in June 2011

11. **Adjournment**

The meeting was adjourned at 3:13 pm.

Respectfully submitted,

Jeff Densmore, Secretary,
ANS Mathematics and Computation Division

Mathematics and Computations Division

Calendar Year 2010

	2010 Proposed	2010 Actual 10 months	Details
Income			
Carry Forward, Prior Year	16,221	33,276	F
Member Allocation	2,194	2,194	F \$2 per MCD member
Other Budget Funds	20,600	0	E \$600 for 2010 National Mtg Participation \$15,605 for M&C 2009 Topical was F received in 2009 E \$5,000 for PHYSOR 2010
Total Budget Funds	39,015	35,470	
Expenses			
Newsletters	0	0	
Awards, Plaques	1,100	100	\$100 "Best Summary+Presentation" F Award ANS 2009 Winter Mtg \$500 Best Summary + Presentation Award, E ANS National Meetings E \$500 Distinguished Service
National Meeting Costs	0	0	
Division Officer Expense	0	0	
Student Support	5,515	1,000 2,500	F \$1000 ANS Student Travel F \$2500 ANS Student Conference 2011 E \$2015 President's Reception Student Tickets
Scholarship/Need Funding	0	0	
Other Expenses	0	0	
Total Expenses	6,615	3,600	
Carry Over, Year End	32,400	31,870	

M&C Annual Membership

