

**MINUTES OF THE MATHEMATICS AND COMPUTATION DIVISION
EXECUTIVE COMMITTEE MEETING
AMERICAN NUCLEAR SOCIETY
Omni Shoreham Hotel, Washington, DC
November 15, 2009**

Officers Present:

Todd Palmer, Oregon State University, palmerts@ne.orst.edu, Chair
Farzad Rahnema, Georgia Instit. Of Tech, farzad.rahnema@nre.gatech.edu, Vice-Chair
Arzu Alpan, Westinghouse, alpanfa@westinghouse.com, Treasurer
Hatice Akkurt, Oak Ridge National Laboratory, akkurth@ornl.gov, Secretary

Executive Committee Present:

Jeremy E. Sweezy, Los Alamos National Laboratory, jsweezy@lanl.gov
Aaron M. Watson, Knolls Atomic Power Laboratory, waatsam@kapl.gov
Yousry Y. Azmy, North Carolina State University, yyazmy@unity.ncsu.edu
Thomas M. Evans, Oak Ridge National Laboratory, evanstm@ornl.gov
Ray G. Gamino, Knolls Atomic Power Laboratory, gamino@kapl.gov

M&C Members Present:

Ahmed Al-Bashaer, Medical College of GA, aalbasheer@mcg.edu
Dimitriy Anistratov, NCSU, anistratov@ncsu.edu
Patrick Brantley, LLNL, brantley1@llnl.gov
Forrest Brown, LANL
Cassiano de Olivera, UNM, cassiano@unm.edu
Madeline Anne Feltus, DOE, Madeline.feltus@HQ.DOE.GOV
Ray Gamino, KAPL, gamino@kapl.gov
Dan Gill, Penn State, dfg121@psu.edu
Bob Grove, KAPL, Rgrove@nycap..RR.com
Brian Kiedreowski, UW-Madison/LANL, bckiedro@lanl.gov
Bernadette Kirk, ORNL, kirkbl@ornl.gov
Chris Perfetti, UofMichigan/LANL, cperfett@umich.edu
Anil Prinja, UNM, prinja@unm.edu
Paul Romano, MIT, romano7@mit.edu
Richard Sanchez, CEA France, Richard.sanchez@cea.fr
Rachel Slaybaugh, UW-Madison, slaybaugh@wisc.edu
Robert Singleterry, NASA, robert.c.singleterry@nasa.gov
Andy Smetana, SRNL, andy.smetana@srnl.doe.gov
Clell (CJ) Solomon, KSU, cjs8888@ksu.edu
Avnet Sood, LANL, sooda@lanl.gov
Jorge Spitalnik, LAS/ANS, jspitalnik@las-ans.org.br
Tom Sutton, KAPL, sutton@kapl.gov
Todd Urbatsch, LANL, tmonster@lanl.gov
Joe Zerr, PSU, rjz116@psu.edu

1. *Call to Order and Consideration of Agenda*-Todd Palmer

Chair Todd Palmer called the meeting to order at 2:05pm and distributed the agenda.

2. *Approval of Previous Meeting Minutes* –Hatice Akkurt

The minutes of the June 14, 2009 meeting held at Hyatt Regency Hotel, Atlanta, GA, were distributed. The meeting minutes from June meeting were tabled to add the sections on Best paper Award and to modify the section on by laws. The revised minutes will be distributed to the board members via email by the chair for approval.

3. *Chairs Report* – Todd Palmer

- **Professional Divisions Committee Meeting:** Chair, Todd Palmer, could not attend the divisions chair meeting. However, two of the MCD officers were able to attend the meeting. It has been reported that one of the discussion items was the involvement and interactions with the student divisions. The other discussion item was about a proposal to abolish the consideration of travel distance for student travel support. The proposal recommends a flat rate for non-local students and 25% of the non-local rate for local students.

Ray Gamino motioned to approve the proposal, Tom Evans seconded the motion. The motion approved unanimously.

- **Student Conference:** Several students from the University of Michigan visited the Committee to update the committee about the upcoming student conference, which will be held at the University of Michigan from April 8 to 11, 2010. They mentioned that the website for the conference is up and running. The call for papers is out. They also mentioned that there would be MCD tracks. The students thanked MCD for financially supporting the student conference. At the last meeting MCD decided to support the student conference and the amount was unanimously accepted as \$2500. Students also asked for volunteers from MCD to serve as judge for the presentations, session chairs, and mentors.
- **Web Design:** ANS is considering a template for all professional divisions, hosted by ANS. If they so choose, divisions can adopt the template. Currently, Oregon State University hosts the MCD website and it is up to date.
- **Training Sessions for Reviewers:** Tom Sutton mentioned that ANS is holding several training sessions for program committee and reviewers for the new web-based review program.

4. *Vice-Chair's Report* – Farzad Rahnema

The Round Table is on Monday at 2:30 pm. The topic is: Current and Future Needs for Particle Transport Methods. Farzad invited a number of speakers from different organizations. The speakers' for roundtable are:

Farzad Rahnema (GT), Introduction, format & grand challenges
Tom Sutton (KAPL), Whole core stochastic transport
Rene Geemert (AREVA), PWR
Boyan Ivanov (Westinghouse), PWR
Scott Palmtag (GE), BWR
Richard Sanchez (CEA), Gas cooled reactors with multiple-heterogeneity
James Donnelly (AMEC-NSS), CANDU
Wei Shen (AECL), ACR
Abderrafi Ougouag (INL), VHTRs (5 min)
Won Sik Yang (ANL), Fast reactors (5 min)

5. *Treasurer's Report* – Arzu Alpan

- The Treasurer's report is attached at the end of minutes.

Action Items:

- Arzu will contact ANS to find out about the cash award (\$1000) for the Gerald Pomraning Award. Richard Sanchez was the recipient of the award, and the treasurer's report shows the \$71 for plaque but does not show the cash award in the budget, despite the fact that Richard has already received the check for the cash award.
- Arzu will also allocate \$500 in the budget for the Distinguished Service award.
- The MCD treasurer will also check for the additional income resource possibilities (i.e., upcoming topical meetings).

Arzu also reported that \$585 was spent on student's tickets for President's reception. There were also discussions on the division's funding level and whether the division should consider endowing another scholarship or increasing student travel support. The discussion on this was tabled and will continue via email later per chair's suggestions. The Chair asked officers, board members, and members to send their suggestions to him.

6. *Program Committee's Report* – Todd Urbatsch

- **Best Summary and Presentation Award for National Meeting:** Urbatsch presented the certificates for best paper awards.
- **M&C 2009:** Ray Gamino, General Chair of M&C 2009, announced the winners for best paper, poster, presentations award.

- **PHYSOR 2010:** Everything is going as planned. The submission deadline for full papers is extended to November 30, 2009. So far about 250 papers are submitted. Reviewers are needed and TPC asked for volunteers.
- **ANS Summer Meeting:** call for ANS summer Meeting, which will be held at San Diego is out. The summary submission deadline is January 8.
- Urbatsch also asked for ideas/organizers for special sessions.

7. *Adoption of Division Rules* – Tom Sutton

The rules are in the committee that adopts them.

8. *Nominating Committee's Report* – Todd Palmer on behalf of Jasmina Vujic

Todd asked for suggestions for nominations for board members and officers.

9. *Standing Committee Reports*

a. *Students* – Todd Palmer on behalf of Kevin Clarno

Arzu mentioned that for this meeting, the division received 5 unused tickets for students.

b. *Membership* – Madeline Feltus

MCD has 1087 members in 2009. A chart showing the number of members for the last 8 years was distributed.

Madeline asked members to renew their membership before December 31, 2009 so MCD can receive the benefits.

c. *Standards* – Andy Smetana

The report was in the June newsletter.

d. *Joint Benchmark* – Barry Ganapol

The JCB meeting was this morning. Joint Benchmark Committee is composed of three divisions: MCD; RPD; RPSD. In all three divisions, active benchmarks are going on.

e. *Publicity* – Avneet Sood

The newsletter is out. Jasmina asked for contributions for the upcoming newsletter.

f. *Web*-Todd Palmer

Todd will upload the newsletter to the division's website soon.

g. *Electronic Version of NSE and Other Journals* – Forrest Brown

No real progress yet; discussions are still on going.

h. *Computational Medical Physics Working Group* – Bernadette Kirk

- The next CMPWG meeting is scheduled to be in Houston, TX in April.
- There were discussions about the meeting in October, which is scheduled to be at GTech. That meeting will be determined after some discussions.

10. *Old Business*

- No discussion.

11. *New Business*

- Dannels Scholarship: The recipient of the scholarship is Joshua Hykes of NCSU.

12. *Next Meeting*

The next meeting of the MCD Executive Committee will be in June 2010, in San Diego, CA.

13. *Adjournment*

The meeting was adjourned at 3:53 pm.

Respectfully submitted,

Hatice Akkurt, Secretary
ANS Mathematics and Computation Division

2008/2009 Budget

| | 2008 FINAL | 2009 (proposed) | 2009 Actual 8 Month | Details |
|-----------------------------|---------------|--------------------|---------------------------|--|
| Income | | | | |
| Carry Forward, Prior Year | 23,287 | 22,333 | 22,333 | F |
| Member Allocation | 2,186 | 2,186 | 2,174 | F \$2 per MCD member |
| Other Budget Funds | 0 | 6,600 | 0 | E \$600 for 2009 National Mtg Participation E \$6000 for M&C 2009 |
| Total Budget Funds | 25,473 | 31,119 | 24,507 | |
| Expenses | | | | |
| Newsletters | 0 | 0 | 0 | |
| Awards, Plaques | 0 | 1,500 | 2,071 | F \$2000 Student paper Awards - ANS North Eastern NY F \$71 Gerald Pomraning Award - R. Sanchez E \$500 Distinguished Service E 2 x \$100 = \$200 Best Summary+Presentation Award, student winner Atlanta meeting 06/09 |
| National Meeting Costs | 0 | 0 | 0 | |
| Division Officer Expense | 0 | 0 | 0 | |
| Student Support | 3,140 | 4,280 | 585 | E \$2500 Student Conference 2010 E 2 x \$500 = \$1000 Travel to National Meeting E 17 x \$65 = \$1105 Reception Tickets - DC meeting 11/09 F 9 x \$65 = \$585 Reception Tickets - Atlanta meeting 6/09 |
| Scholarship/Need Funding | 0 | 0 | 0 | |
| Other Expenses | 0 | 0 | 0 | |
| Total Expenses | 3,140 | 5,780 | 2,656 | |
| Carry Over, Year End | 22,333 | 25,339 | 21,851 | |

F Final considered final by ANS Headquarters
 P Pending still pending with ANS Headquarters
 E Estimate estimates for the rest of the year

Dannels Scholarship

| | |
|--------------------------|-----------------|
| Balance 01/01/09 | \$59,155 |
| Plus 8 Months Interest | \$2,075 |
| Plus 2009 Receipts | \$0 |
| Minus 2009 Disbursements | <u>-\$3,500</u> |
| Balance 8/31/09 | <u>\$57,730</u> |

MCD Historical Data

| | Calendar Year | | | | | | | | |
|-----------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|-----------------|
| | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 8-Month 2009 |
| Income | | | | | | | | | |
| Carry Forward, Prior Year | 15,857 | 12,040 | 18,956 | 28,069 | 17,991 | 14,388 | 13,646 | 23,287 | 22,333 |
| Member Allocation | 924 | 819 | 885 | 918 | 942 | 1,000 | 1,068 | 2,186 | 2,174 |
| Other Budget Funds | 660 | 13,925 | 10,562 | 2,654 | 4,061 | 7,600 | 13,689 | 0 | 0 |
| Total Budget Funds | 17,441 | 26,784 | 30,403 | 31,641 | 22,994 | 22,988 | 28,403 | 25,473 | 24,507 |
| Expenses | | | | | | | | | |
| Newsletters | 66 | 0 | 8 | 0 | 0 | 42 | 0 | 0 | 0 |
| Awards, Plaques | 835 | 0 | 101 | 0 | 1,521 | 0 | 0 | 0 | 2,071 |
| National Meeting Costs | 0 | 225 | 0 | 650 | 585 | 0 | 0 | 0 | 0 |
| Division Officer Expense | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Student Support | 1,500 | 3,800 | 1,225 | 3,000 | 3,000 | 2,300 | 5,116 | 3,140 | 585 |
| Scholarship/Need Funding | 0 | 1,000 | 1,000 | 10,000 | 1,000 | 7,000 | 0 | 0 | 0 |
| Other Expenses | 3,000 | 2,803 | 0 | 0 | 2,500 | 0 | 0 | 0 | 0 |
| Total Expenses | 5,401 | 7,828 | 2,334 | 13,650 | 8,606 | 9,342 | 5,116 | 3,140 | 2,656 |
| Carry Over, Year End | 12,040 | 18,956 | 28,069 | 17,991 | 14,388 | 13,646 | 23,287 | 22,333 | |
| Excess Funds over Expenses | | | | | | | | | 21,851 |

Proposed Budget 2010

| | | Details |
|-----------------------------|---------------|--|
| Income | | |
| Carry Forward, Prior Year | 21,851 | |
| Member Allocation | 2,174 | \$2 per MCD member |
| Other Budget Funds | 600 | \$600 for 2010 National Mtg Participation |
| Total Budget Funds | 24,625 | |
| Expenses | | |
| Newsletters | 0 | |
| Awards, Plaques | 0 | |
| National Meeting Costs | 0 | |
| Division Officer Expense | 0 | |
| Student Support | 5,190 | \$2500 ANS Student Conference 2011 \$1690 President's Reception Student Tickets 2 x \$500 Student Travel Support |
| Scholarship/Need Funding | 0 | |
| Other Expenses | 0 | |
| Total Expenses | 5,190 | |
| Carry Over, Year End | 19,435 | |