

American Nuclear Society
Mathematics & Computation Division
EXECUTIVE COMMITTEE MEETING MINUTES
Reno, NV – June 4, 2006

1. Call to order 14:10
2. Student conference at Oregon State U. (March 29-31, 2007)
<http://groups.engr.oregonstate.edu/ans> (ANS2007@gmail.com)
 - a. Requesting professional (non-student) participation for judging, career fair, general interaction
 - b. Question about plan for helping student travel
 - i. Arranging transportation from Portland to Corvallis
 - ii. Plan to return “profits” in form of travel reimbursements
3. Minutes were approved (Todd Palmer, Jeff Favorite)
4. Chairs report (A. Haghghat)
 - a. Report to BOD
 - i. Meeting with Bernie K. and Bill Martin to discuss
 - ii. Must be submitted by Tues AM
 - iii. Soliciting input on important issues to bring to the BoD
 - iv. Question on whether or not the report was useful – it is a useful interaction between the division and the BoD for feedback and communication
 - b. Report on PDC workshop
 - i. Standard division bylaws still being considered
 - ii. Divisions will vote on standard bylaws in/by November.
 - iii. Form a sub-committee to address this:
Bill Martin, Todd Palmer, Bernie Kirk, Sara Pozzi
 - c. Survey
 - i. Circulated a couple of weeks ago
 - ii. Already received a report summarizing about 120 responses including some interesting analysis
5. Vice-Chair – B. Martin
 - a. Future of Roundtable
 - i. Duty of vice-chair to find speaker and co-ordinate
 - ii. Originated as alternative to plenary but can no longer be scheduled opposite the plenary
 - iii. How to create incentive for speakers?
 - iv. F. Brown: Began as open discussion, transitioned to focused to discussion, transitioned to presentations, interaction is missing

- v. Program committee considering changing it to a special session, soliciting topics from membership instead of Vice-Chair
 - vi. T. Sutton: “Open-mike” session
 - vii. No change to policy for now
6. Past-Chair (B. Kirk)
- a. Elections (see attachment A)
 - i. A lot of good candidates including many young members
 - ii. Results
 - 1. Tom Sutton, Vice-Chair/Chair-Elect
 - 2. Arzu Arpan, Secretary
 - 3. Treasurer, Scott McKinley
 - 4. Exec: Tom Brunner, Jean Ragusa, Sara Pozzi
 - b. Comp Med Physics (see attachment B)
 - i. Workshop held Oct. 25, 2005 @ ORNL; Next workshop @ U. Florida – Oct 2007
 - ii. Three tech. sessions at RPSD topical (April 2006)
 - iii. One session at ANS 2006 Annual meeting, one session at ANS 2006 Winter meeting
 - iv. Benchmark activities underway
 - v. Website: cmpwg.ans.org
 - vi. Interest from AAPM: poster submitted there recognized as “Poster of Distinction”
7. Treasurer – D. Peplow (see Attachment C)
- a. Report highlights
 - i. Received more than expected from MonteCarlo meeting
 - ii. M&C topical money will appear in 2006
 - b. Request from PHYSOR2006 for sponsorship
 - i. Seems like a strange request and a precedent that we don’t want to get into
 - ii. Tabled for A. Haghighat and B. Martin to talk to RPD/PHYSOR organizers
 - c. Student conference
 - i. \$1000 to ORST conference (R. Sanchez, J. Favorite)
 - d. Chair recognizes efforts and contribution of Doug Peplow in difficult task
8. Program – T. Palmer
- a. Reno – 4 session
 - i. Paper review: 15 – 1 withdrawn, 2 revised (else rejected), 10 accepted with revisions, 2 accepted
 - b. ABQ (Nov 06) - Special sessions
 - i. Inverse methods (J. Favorite)
 - ii. Transport for high energy density applications (J. Densmore?)
 - c. Boston (Jun 07) – special sessions
 - i. Now is the time to create them for Boston
 - ii. Hainy Abdel-Khalik – sensitivity.... Uncertainty.....
 - d. New Program Chair – Dimitriy Anistratov
 - e. Chair recognizes efforts of outgoing Program Chair, T, Palmer
 - f. M&C/SNA – J. Vujic
 - i. <http://mc-sna07.nuc.berkeley.edu>

- ii. 8 topical themes
 - iii. Contact J. Vujic with ideas for special sessions, or other volunteering to help
 - iv. Sept 15 – summary deadline submission
 - v. Summaries reviewed but NOT papers
 - vi. Lots of effort from UCB, Local Section (e.g. LLNL)
 - g. Discussion of future meetings
 - i. 2009 M&C – probably east cost US
 - 1. Proposals should be received prior to November meeting
 - 2. D. Anistratov should send RFP to local sections
 - ii. Note that 2010 will also have SNA and Monte Carlo, both in Japan
9. Students – J. Favorite
- a. 6 tickets for Pres reception being purchased (7 papers as one student is arriving later)
10. Honors & Awards - P. Turinsky
- a. Current restriction precluding nominations from Exec committee.
 - i. (T. Palmer, B. Martin) Motion to remove restrictions that prevent executive committee members from nominating people for MCD sponsored awards. Passed.
 - b. Proposal for terms and limits of MCD H&A committee (see Attachment D)
 - i. 6 appointed members, 3 year terms, 2 term limit
 - ii. Chair reappointed annually up to 6 years, must have served one year on MCD H&A committee prior to appointment
 - iii. Minimum of 3 members must be fellows.
 - iv. (P. Wilson, B. Kirk) Motion: Accept this proposal, with modification that Chair shall have a 2 year term with annual renewals thereafter, as practice and to be implemented in the rules when they are changed to accommodate the standard bylaws. Approved.
 - c. Chair recognizes the efforts of MCD H&A Chair, P. Turinsky, for his long-time effort.
11. Membership – M. Feltus
- a. See attachment E
 - i. Membership increasing
 - b. National membership plan
 - i. How to increase graduating student retention?
 - 1. Participation at meetings – industry support of meetings – value for industry at meetings
 - ii. How do we increase student involvement?
12. Board Liaison/President-Elect – H. McFarlane
- a. Discussion of adding value to meetings
 - i. Co-locating with short courses, INPO programs, etc...
13. Standards – A. Smetana
- a. See newsletter for report
 - b. ANSI recently (april 06) approved 10.5, to be published (Jun/July)

14. Benchmark – B. Ganapol

- a. Discussion of purpose of JBC
 - i. Will solicit, support and approve new benchmarks
 - ii. Will NOT review benchmarks of other organizations to pass judgement
 - iii. Will act as clearinghouse for “all” benchmark info (without judgement)
- b. Benchmarks being pursued
 - i. Yousry Azmy has 3-D benchmark at NEA
 - ii. Ganapol has semi-analytic benchmark w/ NEA
 - iii. Mossteller benchmark on Doppler
 - iv. B. Kirk facilitating comp. med. Physics benchmarks
 - v. Others

15. Web – T. Palmer

- a. Todd reminded us that the web site exists and that it is a great pleasure to comment upon it every meeting.
- b. Some suggestions were made for updates/links.

16. Congratulations to Imre Pazjit elected fellow this meeting.

17. The committee recognizes A. Haghghat for his leadership.

18. Meeting adjourned at 16:10.

Attendee List

Attendee		Affiliation	Email address
Wilson	Paul	UW-Madison	wilsonp@engr.wisc.edu
Martin	Bill	U. Michigan	wrm@umich.edu
Sutton	Tom	KAPL	sutton@kapl.gov
Smetana	Andy	SRNL	Andy.Smetana@srnl.doe.gov
Turinsky	Paul	NCSU	turinsky@ncsu.edu
Favorite	Jeff	LANL	fave@lanl.gov
Ragusa	Jean	Texas A&M	ragusa@ne.tamu.edu
Kirk	Bernadette	ORNL	kirkbl@ornl.gov
Peplow	Douglas	ORNL	peplowde@ornl.gov
De Oliveira	Cassiano	GA Tech	c.oliveira@gatech.edu
Brown	Forrest	LANL	fbrown@lanl.gov
Palmer	Todd	Oregon State	parmerts@ne.orst.edu
Haghighat	Alirez	U. Florida	haghighat@ufl.edu
Anistratov	Dimitriy	NCSU	anistratov@ncsu.edu
Ganapol	Barry	U. Arizona	ganapol@cowboy.ame.arizona.edu
Sanchez	Richard	CAE	richard.sanchez@cae.fr (akapit.richard@free.fr)
Feltus	Madeline	USDOE	madeline.feltus@nuclear.energy.gov
Rahnema	Farzad	GA Tech	farzad.ahnema@me.gatech.edu
Pozzi	Sara	ORNL	pozzisa@ornl.gov
Sartori	Enrico	NEA	sartori@nea.fr
Slaybaugh	Rachel	PSU/U. Wisconsin	r.slaybaugh@gmail.com
M ^c Kinley	Scott	LLNL	mckinley9@llnl.gov
Brunner	Thomas	SNL	tabrunn@sandia.gov
Prinja	Anil	U. New Mexico	prinja@unm.edu
Arpan	Arzu	Westinghouse	alpanfa@westinghouse.com
Vujic	Jasmina	UC-Berkeley	vujic@nuc.berkeley.edu
Hulse	Paul	British Nuclear Group	paul.hulse@britishnucleargroup.com

**Report of the Computational Medical Physics Working Group
ANS Annual Meeting June 4-8, 2006**

I. Workshop October 26, 2005

The Proceedings are available on CD. Requests should be sent to riceaf@ornl.gov.

“Proceedings of the Computational Medical Physics Working Group: CMPWG I, ORNL/TM-2006/7”.

Workshop II will be held in October 2007 at the University of Florida. Ali Haghghat will host.

II. Technical Sessions at ANS meetings, including topicals.

Radiation Protection and Shielding Division’s Topical in Carlsbad, April 2-6, 2006

<i>Room 1</i>	Computational Medical Physics Working Group I - <i>Chaired by Wayne Newhauser</i> <i>Monday April 3, 2006</i>	
9:15 AM	X. George Xu	Invited Presentation - Computational Medical Physics: What Roles Can Nuclear Engineers Play?
10:00 AM	Megan Satterfield, Dingkan Zhang, Farzad Rahnema, Tim Fox	Extension of the Coarse Mesh Transport Method (COMET) to Medical Physics
10:30 AM	R. A. Lillie, D. E. Peplow, M. L. Williams, B. L. Kirk, M. P. Langer, T. L. Nichols, and Y. Y. Azmy	Photon Beam Transport in a Voxelized Human Phantom Model: Discrete Ordinates vs Monte Carlo
11:00 AM	J. D. Fontenot and W. D. Newhauser	Dose per Monitor Unit Determination for Proton Therapy Treatment Portals with and without the Range Compensator
<i>Room 1</i>	Computational Medical Physics Working Group II - <i>Chaired by Eduardo Farfan</i> <i>Monday April 3, 2006</i>	
1:00 PM	X. George Xu, Justin Hanlon, Matthew Oakley	A Feasibility Study to Fabricate a Lung Phantom from Medical Images and Computer Aided Manufacturing
1:30 PM	Ahmad Al-Basheer, Monica Ghita, Glenn Sjoden, and Benoit Dionne	Critical Discretization Issues in a 3-D Discrete Ordinates Medical Physics Simulation Benchmarked with Monte Carlo
2:00 PM	Monica Ghita, Ahmad Al-Basheer, Glenn Sjoden, Jim Baciak, Manuel Arreola, and Carly Williams	Validation of DXS: A Diagnostic X-Ray Source Generator for X-ray Transport Simulations
2:30 PM	Robert L. Metzger and Kenneth A. Van Riper	Attenuation Coefficients for Layered Ceiling and Floor Shields in PET/CT Clinics
3:00 PM	R.L. Moss, G.G. Daquino, G. Gambarini, S. Gay, A.V. Nievaart	Dosimetry studies on an irradiation facility for the extra-corporal treatment of liver cancer by BNCT at the HFR Petten
3:30 PM	Kristien Smans, Hilde Bosmans, Mieke Cannie, Steven Dymarkowski, Filip Vanhavere	Creation of a voxel phantom
<i>Room 1</i>	Computational Medical Physics Working Group III - <i>Chaired by Bernadette Kirk</i> <i>Tuesday April 4, 2006</i>	
1:00 PM	Nicholas Koch. and Wayne Newhauser,	Monte Carlo Simulations of an Ocular Nozzle to Determine Dose Distributions and Output

1:30 PM	Wayne Newhauser, Annelise Giebeler, Nick Koch, Jonas Fontenot, Yuanshui Zheng, and Bernadette Kirk	Review of Monte Carlo Applications in Proton Cancer Therapy
2:00 PM	Wayne Newhauser, Jerimy Polf, Jonas Fontenot, Yuanshui Zheng, Nick Koch, Uwe Titt, and Radhe Mohan	Monte Carlo Model of a Passively Scattered Proton Therapy System
2:30 PM	Yuanshui Zheng, Wayne Newhauser, Jonas Fontenot, Nickolas Koch	Development of a Code System to Automatically Generate MCNPX Input Files for Proton Therapy Simulations
3:00 PM	Lara Struelens, Filip Vanhavere	Comparison of the Determination of Organ Doses using the Rando Alderson Phantom and Monte Carlo Calculations
3:30 PM	Lara Struelens, Filip Vanhavere, Hilde Bosmans	Calculation of Conversion Coefficients for the Determination of Effective Dose in Vascular Radiology.

2006 ANS Annual Meeting, Reno, Nevada

Tuesday - June 6, 2006

Computational Medical Physics Benchmarks, sponsored by MCD; cosponsored by RPSD and BMD, in collaboration with the Computational Medical Physics Working Group. *Session Organizer: Bernadette Kirk (ORNL)* [Track 7]

Experimental Transport Benchmarks for Physical Dosimetry to Support Development of Fast-Neutron Therapy with Neutron Capture Augmentation, David W. Nigg, John Hartwell, James R. Venhuizen, Charles Wemple (*INL*), Ruedi Risler, George E. Laramore (*Univ of Washington*), Wolfgang Sauerwein, Gerhard Hudepohl (*Univ of Essen*), Arlene J. Lennox (*NIU Inst for Neutron Therapy, FNAL*)

Isodose Mapping Using Coincidence Measurement of Annihilation Photons, Amol Patil (*Univ of Missouri-Rolla*), Dramane Konate (*Univ of Cincinnati*), Thomas Goter, Shoaib Usman (*Univ of Missouri-Rolla*)

Work Environment Dose Rates Assessment at a PET/CT Imaging Center, Yung-Chang Lai, Yu-Wen Chen, Ying-Fong Huang (*Kaohsiung Medical Univ*)

Determination of Optimum Source Position in Radiotherapy Inverse Planning Using MCNP-4C, Fouad Abolaban (*King Abdulaziz Univ*)

2006 ANS Winter Meeting –Nov 12 - Nov 16, Albuquerque, NM

Special Session 100-word Summary

Session Title: Deterministic Methods in Health-Related Applications

Summary:

Monte Carlo (MC) applications abound in literature and many sessions at ANS meetings have been devoted to MC applications. The focus of this session is deterministic

methods. Coverage will include new or improved algorithms and software in medical and health physics. Of particular interest will be models in radiation therapy.

Sponsored by: Computational Medical Physics Working Group (CMPWG)
Biology and Medicine (BMD)
Mathematics and Computations (MCD)

Session Organizer: (include address and phone number)
Bernadette L. Kirk
Nuclear Science and Technology Division
Oak Ridge National Laboratory
P. O. Box 2008
Oak Ridge, TN 37831-6171
Phone: 865-574-6176
Fax: 865-241-4046

Session Chairman: (include address and phone number)
David Nigg

Session Type: Panel Session
 Invited Papers Only
 Invited and Contributed Papers
 Contributed Papers Only

**M&C + SNA 2007, April 15-19, 2007, Monterey California
Call For Papers**

III. Benchmarks

A proton therapy benchmark, submitted by Wayne Newhauser, is posted on the website.
<http://cmpwg.ans.org>

Calendar Year 2005 – Final Financial Statement

	Approved Nov 2004	2005 (final)	Details	
Income				
Carry Forward, Prior Year	15,337	17,991	15,337	Calendar 2004 Carry Forward
			2,654	Physor 2004-Apr 2004 Chicago
Member Allocation	900	942	942	Member Allocation
Division Income	0	4,061	570	2005 National Mtg Participation
			3,491	Chattanooga (Apr 2005)
			0	Avignon (Sept 2005)
Total Budget Funds	16,237	22,994		
Expenses				
Newsletters	0	0	0	Newsletters
Awards, Plaques	1,000	1,521	1,000	Pomraning Memorial
			500	Distinguished Service
			21	Frames
National Meeting Costs	1,300	585	520	June San Diego, tickets
			65	Nov Washington, tickets
Division Officer Expense	0	0	0	Division Officer Expense
Student Support	5,000	3,000	2,000	April Ohio State Stud. Conf.
			500	June San Diego, travel
			0	Sept Avignon, travel
			500	Nov Washington, travel
Scholarship/Need Funding	1,000	1,000	1,000	Robert A. Dannels Scholarship
Other Expenses	0	2,500	2,500	Landis Challenge
Total Expenses	8,300	8,606		
Carry Over, Year End	7,937	14,388		

Major differences between the approved budget and the final statement for 2005 include:

1. Income from the April 2004 PHYSOR meeting came at the end of 2004, increasing the carry over.
2. MCD received \$570 for national meeting participation.
3. MCD received \$3491 from the Monte Carlo 2005 Meeting (April, Chattanooga).
4. ANS only deducted \$65 for eight tickets to the Washington Presidential Reception. They do not wish to correct the error.
5. Student support for the Avignon meeting (\$2000) was not sent – it will instead be deducted from the money that the conference has sent the MCD (January 2006).
6. Donation of \$2500 to the Landis Challenge made in October 2005.

Estimate for Calendar Year 2006

The budget for calendar year 2006 was approved by the executive committee at the November 13, 2005 Winter Meeting in Washington and sent to ANS Headquarters. The current estimate for 2006:

	Approved Nov 2005	2006 (estimate)	Details
Income			
Carry Forward, Prior Year	12,372	14,388	14,388 F Calendar 2005 Carry Forward
Member Allocation	900	1,000	1,000 F Member Allocation
Division Income	0	7,500	500 E 2006 National Mtg Participation 7,000 F Avignon (Sept 2005) less Stu Sup 0 E Vancouver PHYSOR (Sept 2006)
Total Budget Funds	13,272	22,888	
Expenses			
Newsletters	0	0	0 Newsletters by email only
Awards, Plaques	0	0	0 No Awards in 2006
National Meeting Costs	1,300	1,040	390 P June Reno, tickets 650 E Nov Albuquerque, tickets
Division Officer Expense	0	0	0 Division Officer Expense
Student Support	2,500	2,500	1,000 ? April RPI Stud. Conf. 500 P June Reno, travel 500 E Sept PHYSOR, Vancouver, BC 500 E Nov Albuquerque, travel
Scholarship/Need Funding	0	7,000	7,000 F Robert A. Dannels Scholarship
Other Expenses	0	0	0 Landis Challenge
Total Expenses	3,800	10,540	
Carry Over, Year End	9,472	12,348	

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

Income for the year will come from the ANS member allocation, national meeting participation and the Avignon Meeting. Avignon money has already been redirected to the Robert A. Dannels Scholarship fund to avoid ANS taxes. The MCD should receive money from the PHYSOR meeting in September 2006 but it probably will not appear until the 2007 calendar year.

ANS did not send a request for the \$1000 of student support for the April RPI Student Conference.

Upcoming Conferences:

2006	Sept 10-14	PHYSOR 2006	Vancouver, BC, Canada
2006	Nov 12-16	Winter Meeting	Albuquerque, NM
2007	April 15-19	M&C + SNA 2007	Monterey, CA
2007	June 24-28	Annual Meeting	Boston, MA
2007	Nov 11-15	Winter Meeting	Washington, DC

MCD Historical Data

	Calendar Year						
	1999	2000	2001	2002	2003	2004	2005
Income							
Carry Forward, Prior Year	11,914	10,187	15,857	12,040	18,956	28,069	17,991
Member Allocation	801	817	924	819	885	918	942
Other Budget Funds		4,853	660	13,925	10,562	2,654	4,061
Total Budget Funds	12,715	15,857	17,441	26,784	30,403	31,641	22,994
Expenses							
Newsletters	0	0	66	0	8	0	0
Awards, Plaques	881	0	835	0	101	0	1,521
National Meeting Costs	0	0	0	225	0	650	585
Division Officer Expense	247	0	0	0	0	0	0
Student Support	550	0	1,500	3,800	1,225	3,000	3,000
Scholarship/Need Funding	100	0	0	1,000	1,000	10,000	1,000
Other Expenses	750	0	3,000	2,803	0	0	2,500
Total Expenses	2,528	0	5,401	7,828	2,334	13,650	8,606
Carry Over, Year End	10,187	15,857	12,040	18,956	28,069	17,991	14,388

Terms of Membership for the MCD Honors and Awards Committee

The MCD Honors & Awards Committee shall consist of six members, including the Chair of the committee, serving alternating terms. The term of membership shall be for three years, implying two members' terms will end each year at the conclusion of the summer national ANS meeting. A member's appointment may be renewed for one additional term, implying a maximum of six years serving on the committee.

Vacancies on the MCD Honors & Awards Committee shall be filled by appointment by the current Chair of the MCD with consultation of the Chair of the MCD Honors and Awards Committee. When unscheduled vacancies on the MCD Honors and Awards Committee occur, the current Chair of MCD shall appoint a new committee member to complete the term associated with the vacant membership. If this term is less than or equal to one year, this time shall not count towards the maximum of serving six years on the committee.

The Chair of the MCD Honors and Awards Committee shall be appointed by the current Chair of the MCD. The Chair of the MCD Honors and Awards Committee will first have served as a member of this committee for a minimum of one year immediately prior to appointment. The initial term of the Chair shall be for two years, with the option of reappointment for an additional one year by the current Chair of the MCD up to the time that the maximum term for membership of the MCD Honors & Award Committee occurs.

Three or more of the members, including the Chair, of the MCD Honors and Awards Committee shall hold Fellow membership grade in the ANS.

To phase into this new staggered term structure, the Chair of the MCD shall review the current MCD Honors & Awards Committee membership, discuss with current members their desire to continue service on the committee and for how long, and then indicate for each current member how many years of additional service on the committee they will serve.



2006 Elected Officers
Mathematics & Computation Division

Chair

William R. Martin

Vice Chair

Tom Sutton

Secretary

Arzu Alpan

Treasurer

Michael S. McKinley

Executive Committee

Jean Ragusa

Thomas Brunner

Sara Pozzi

**Computational Medical Physics Working Group (CMPWG)
Meeting Minutes
Reno Hilton Hotel, Reno, NV
Meeting Room: Ruby 1
June 5, 2006**

The CMPWG met at the American Nuclear Society (ANS) Annual Meeting in Reno, NV, at the Reno Hilton Hotel, Ruby 1 Meeting Room, on Monday, June 5 2006, from 11:30 am to 12:20 pm.

Attendees

Name	Affiliation	E-mail Address
Sukesh Aghara	Prairie View A&M Univ.	skaghara@pvamu.edu
Arzu Alpan	Westinghouse	alpanfa@westinghouse.com
Richard S. Amato	Bechtel Bettis Inc.	amators@bettis.gov
Sunita R. Boddu	Univ. of Missouri-Columbia	srbttc@mizzou.edu
Jeff Favorite	LANL	fave@lanl.gov
Veera Rajesh Gutti	Univ. of Missouri-Columbia	vrgwbc@mizzou.edu
Donald Hoffmann	Excel Services	donaldh@excelservices.com
Eric N. Jones	TransWare Enterprises Inc	enjones@transware.net
Bernie Kirk	ORNL	kirkbl@ornl.gov
Jennifer Manneschmidt	ORNL	jib@ornl.gov
David Nigg	INEL	dwn@inel.gov
Geethpriya Palaniswaamy	Univ. of Missouri-Columbia	gp5p5@mizzou.edu
Douglas E. Peplow	ORNL	peplowde@ornl.gov
Anil K. Prinja	U. of New Mexico	prinja@unm.edu
Farzad Rahnema	Georgia Tech	farzad@gatech.edu
Ken Van Riper	White Rock Science	kvr@rt66.com
Sridhar Yaddanapudi	Univ. of Missouri-Columbia	sridhar.y@gmail.com

Call-to-Order and Introduction of Members/Guests

Bernadette Kirk opened the meeting at 11:30 am representing the chair, Ali Haghighat. The agenda for the meeting was passed around. The attendees introduced themselves.

Donald Hoffman stated that the CMPWG is now a formal entity recognized within ANS.

Bernadette Kirk pointed out that the Biology & Medicine Division (BMD) was invited for this meeting; however there was no attendance from BMD.

Program Committee/Program Chair

Bernadette Kirk asked for volunteers for the program committee and program chair. Farzad Rahnema suggested that an e-mail could be sent to the group asking for

volunteers. The suggestion was agreed on. Bernadette Kirk added that we need to bring up to Mathematics & Computation Division (MCD) and BMD that we need a program chair.

Workshop Report

Bernadette Kirk reported that CMPWG had a successful workshop at Oak Ridge in October 26, 2005 and that the proceedings were in its final stage. She added that the proceeding has an ORNL technical report number (ORNL/TM-2006/7). Copies of the report are available in PDF and can be mailed upon request. Requests should be sent to riceaf@ornl.gov.

The second CMPWG workshop will be held at the University of Florida in October 2007, hosted by Ali Haghghat. The workshop will be at least for 1 day or possibly 2. The workshop will have international exposure. European colleagues will be coming to the workshop and possibly Japanese.

Technical Sessions at ANS Meetings and Topicals

Bernadette Kirk stated that the Radiation Protection and Shielding Division (RPSD) is very supportive of our efforts. RPSD agreed to let us have sessions in their Topical Meeting in Carlsbad, NM (April 2-6, 2006).

Bernadette Kirk reported that at the 2006 ANS Winter Meeting in Albuquerque, NM (Nov. 12-16, 2006), we will have a special session titled "Deterministic Methods in Health Related Applications". David Nigg will possibly be the chair. The next big meeting is the M&C + SNA 2007: Joint International Topical Meeting on Mathematics & Computations and Supercomputing in Nuclear Applications, in Monterey, CA. Call for papers for this meeting is out. Bernadette Kirk pointed out that we need to have sessions in this meeting as well. She welcomed suggestions for special sessions and added that the BMD and MCD will be shown as sponsors in these sessions.

Bernadette Kirk noted that the CMPWG acts like a technical group. We can not have topical meetings however can have topical meetings within ANS meetings. Therefore we should aim to have meetings in every ANS National Meeting. The next ANS National Meeting after the 2006 ANS Winter Meeting in Albuquerque, NM is the 2007 ANS Annual Meeting in Boston, MA and summaries for sessions are now being submitted for this meeting. Bernadette Kirk asked Sukesh Aghara to take lead on sending a special session summary for the meeting in Boston, MA. David Nigg proposed the following session topic, which was agreed on by the attendees: "Practical Issues and Challenges in Clinical Computational Medical Physics". Bernadette Kirk summarized by saying that we will be having sessions in the 2006 ANS Winter Meeting in Albuquerque, NM, M&C + SNA 2007 Meeting in Monterey, CA and the 2007 ANS Annual Meeting in Boston, MA. She added that we will discuss future meetings later.

Benchmarks

Bernadette Kirk reported that a proton therapy benchmark has been submitted by Wayne Newhauser that is posted on the website <http://cmpwg.ans.org>. A Co-60 benchmark from Glenn Sjoden will also be coming in. She pointed out that the benchmarks will be teaching tools for students in this area.

Additional Comments

David Nigg stated that he will be mentioning the CMPWG in the International Society of Neutron Capture Theory (ISNCT) Congress that he will be attending in October 2006, in Japan.

Close

Bernadette Kirk adjourned the meeting at 12:20 pm.

Minutes submitted by: F. Arzu Alpan, June 8, 2006.