

MINUTES OF THE REACTOR PHYSICS DIVISION EXECUTIVE COMMITTEE MEETING  
AMERICAN NUCLEAR SOCIETY  
Omni Shoreham Hotel  
Washington DC  
November 14, 2004, 4:00-6:00 PM

The RPD executive committee meeting was held on November 14, 2004 in the Council Meeting Room of the Omni Shoreham Hotel.

1. The meeting was called to order by the Chair Baard Johansen at 4:05PM.
2. Minutes of the June 2004 meeting was approved.
3. A draft of the newsletter prepared by the Chair Baard Johansen and the Vice-Chair (Chair-Elect) Jess Gehin was distributed to the executive committee for comments. Jess Gehin had send the newsletter to the ANS headquarter for general distribution.

The focus of the next issue of the newsletter to be issued in mid-April will be on the "State of the Reactor Physics Division." The following individuals are asked to contribute to the newsletter by March 1, 2005 are:

Message from the incoming Chair – Jess Gehin

State of the RPD – Baard Johansen

State of Honors and Award and Standards Committees – Dimitrios Cokinos

State the Program Committee – Ivan Maldonado

State of the Scholarship Committee – Philip Finck

State of the Benchmark Committee – Russ Mosteller

Others interested in contributing to the newsletter are asked to send their contribution to the Secretary by March 1, 2005.

4. Margaret Mkhosi gave a report on the status of the 2005 ANS student conference to be held at the Ohio State University in April 14-16, 2005. They expect to have more than 20 technical and some plenary sessions. Margaret requested that the RPD support the conference by providing funds if possible. A motion to contribute \$1500 out of the 2005 budget to the student conference was approved.
5. The treasurer Ben Rouben summarized the 2004 and the projected 2005 budget. From the 2004 budget, \$2,466 were used for awards, plaques, national meeting cost for audio visual, student support and scholarship/NEED funding. Additionally, it was decided to allocate \$10,000 to the Henry/Greebler scholarship fund out of the 2004 budget. It is estimated that allocating \$4,200 for scholarship (\$2,000), student travel/support (\$2,000) and other activities (\$200) in 2005 will leave \$8,517 in the budget.

A motion to approve the revised budget to reflect the contribution to the Henry/Greebler scholarship fund was passed.

6. Philip Finck presented a report on the activity of the Scholarship Committee. The committee has raised \$81k and is expecting an additional \$10 from the Henry family. The total of \$91 is only \$10k short of the original \$100k goal. This money will be used as an endowment for future scholarships or fellowships. A motion was passed to contribute \$10,000 to the Henry/Greebler fund out of the 2004 budget.
7. Philip Finck reported the slate of candidate for next year's RPD Executive Committee offices:  
Vice-Chair/Chair-Elect Benjamin Rouben

Treasurer: Farzad Rahnema  
Secretary: Jeff Bradfute  
William Charlton  
Executive Committee: Byung-Chan Na  
Michael Zerkle  
Abderrafi Ougouag  
Taek K. Kim

8. Ivan Maldonado summarized the Program Committee activities with respect to the national meetings:
  - a. 2004 Winter Meeting (Washington DC): The division received a total of 44 summaries accounting for 11% of the paper at this meeting. These papers were organized into 5 sessions. Two papers were selected as candidates for the best paper in reactor physics.
  - b. Summer 2005 (San Diego, CA): Two special sessions are being organized for this meeting. They are entitled "Next Generation of Advanced Methods for LWR Analysis" organized by Scott Palmtag and "Advanced Optimization Methods for Fuel Management" organized by Juan-Luis Francois. Also a panel session is planned by Scott Thomas and Bob St. Clair on "Managing High Energy Designs for Long Cycles and Power Uprates."
  - c. Winter 2005 (Washington DC): T.K. Kim proposed a special session on "Advances in the Design of High Temperature Gas Cooled Reactors." A second session was proposed by Paul Edelman on "The Physics of Space Power Reactors." Madeline Feltus and Farzad Rahnema proposed to organize a two part session on "Gas Cooled Reactor Physics Methods."
9. Ben Rouben reported on the status of PHYSOR 2006 conference (Vancouver, British Columbia, September 10-14, 2006):

The call for paper will be distributed in August 2005. The 1000 word summaries are due in January 2006. The full papers are due in June 2006. The honorary chair will be Jim Lake (INL) and Ben Rouben will serve as the General Chair. Ken Koziar, Russ Mosteller, Chang Hyo Kim and Enrico Sartori are serving as the Technical Program Co-Chairs.
10. Dimitrios Cokinos' report:

Honors and Award:

  - a. Dr. R. N. Hwang of ANL was selected as the 2004 Wigner Reactor Physicist. Dr. Hwang will inaugurate the new Eugene P. Wigner Lecture Series with the lead paper entitled "An Overview of Resonance Theory in Reactor Physics Applications" at the Tuesday afternoon RPD session, "Reactor Physics General – I" starting at 1:00PM. The deadline for the Wigner Award nominations is April 1, 2005.
  - b. Cokinos encourages the RPD to nominate deserving members for the ANS Fellow. The deadline for the nomination is February 1, 2005.

Standards Committee:

  - c. The consensus Committee N-17 is reviewing three revised ANSI/ANS standards. These are 19.3 (Determination of Neutron Reaction Rate and Reactivity in Nuclear Reactors), 19.6.1 (Reload Startup Physics Tests for Pressurized Water Reactors) and 5.1 (Decay Heat Power in Light Water Reactors).
  - d. The proposed standard ANS-19.10 (Fast neutron Fluence in the Pressure Vessel of PWRs) is under review by the ANS-19 Committee.
11. The Joint Benchmark Committee (JBC) report was presented by Ross Mosteller the Chair of the committee. JBC meeting was well attended (approximately 25 attendees), and that a proposed homeland-security benchmark was discussed. In addition, there was a presentation by a

- representative from the Computational Medical Physics technical group, which may or may not eventually wish to join the JBC as a sponsor. Two reactor-physics benchmarks still are under development, but progress is slow because all the participants are volunteers.
12. Ali Haghghat presented a proposal to create a new technical group under the M&C Division entitled "Computational Medical Physics." The technical group is to promote the advancement of computational tools, experimental data, and enabling technologies which are applicable to clinical problems in medical and health physics. It is anticipated that the new group will attract new members that usually do not participate in the ANS activities. A motion was passed to support the formation of this new group.
  13. The RPD Chair Baard Johansen summarized his presentation to the ANS Board of Directors. He highlighted two gap areas that the RPD has addressed. The "succession planning" which was identified by ANS as an area of concern was recently created and included in the 5-year Operational Plan document. Also, the "communications" which was identified by ANS as an area of deficiency was addressed. The division website was updated in October 2004 with a plan to issue two newsletters per year. The Winter 2004 Newsletter has been completed and was submitted to ANS headquarters prior to this meeting. The areas of success will continue to be the RPD's future priority. These are the technical program, scholarship (Henry/Greebler), honors and awards, standards, international participation and student support.
  14. No new business was introduced.
  15. The meeting adjourned at 5:22pm.