

## **Minutes of the American Nuclear Society Reactor Physics Division Executive Committee Meeting**

**Sunday, June 15, 2014, 4:00-6:00 PM**

**Room S-3, Grand Sierra Resort & Casino**

**Reno, NV**

### **Attendance**

Fausto Franceschini, Westinghouse, [francef@westinghouse.com](mailto:francef@westinghouse.com)  
Pavel Tsvetkov, Texas A&M Univ., [tsvetkov@tamu.edu](mailto:tsvetkov@tamu.edu)  
Ugur Merturek, ORNL, [mertureku@ornl.gov](mailto:mertureku@ornl.gov)  
Russell Stachowski, GEH/GNF, [russell.stachowski@gnf.com](mailto:russell.stachowski@gnf.com)  
Mark DeHart, INL, [mark.dehart@inl.gov](mailto:mark.dehart@inl.gov)  
Alberto Talamo, ANL, [alby@anl.gov](mailto:alby@anl.gov)  
Moussa Mahgerefteh, Exelon Nuclear, [moussa.mahgerefteh@exeloncorp.com](mailto:moussa.mahgerefteh@exeloncorp.com)  
Akio Yamamoto, Nagoya Univ., [a-yamamoto@nucl.nagoya-u.ac.jp](mailto:a-yamamoto@nucl.nagoya-u.ac.jp)  
David Orr, Duke Energy, [david.orr@duke-energy.com](mailto:david.orr@duke-energy.com)  
Bojan Petrovic, Georgia Tech, [bojan.petrovic@gatech.edu](mailto:bojan.petrovic@gatech.edu)  
Ron Ellis, ORNL, [ellisrj@ornl.gov](mailto:ellisrj@ornl.gov)  
Jaakko Leppanen, VTT, Finland, [jaakko.leppanen@vtt.fi](mailto:jaakko.leppanen@vtt.fi)  
Gianluca Longoni, Westinghouse, [longong@westinghouse.com](mailto:longong@westinghouse.com)  
Alex Stanculescu, INL, [alexander.stanculescu@inl.gov](mailto:alexander.stanculescu@inl.gov)

Suggestion from Bojan to increase font in the newsletter and reducing the spacing between lines.

Student presented current status of their involvement.

Minutes from previous meeting have been accepted unanimously

RPD survey (Mark Dehart) – ANS consistent with vision of RPD, getting rid of Thursdays, the survey won't be used however

RPD website – (Ron) new buttons added for the survey, trying to backfill minutes from past ten years. Issues with buttons will be fixed. Facebook page is also present on the website. LinkedIn may be considered.

Scholarships – establishment of undergrad scholarship. Need to visit idea to give scholarship one time only. Consider name a scholarship after Lamarsh, we'll see if ANS agrees. \$30K scholarship is possible. We don't use the word endowment but fully funded scholarship.

Should start thinking about Wigner award for the fall.

Ron – Goals and strategic meeting. Plan for future members of RPD EC and PC, looking for replacement and discuss succession plan.

Maximum 5 panelists that come for 1 day get the registration paid by ANS

Governance meetings can now be hosted also during the week not only on Sunday

ANS meetings will be hosted at the Marriott and no more at the OMNI

Students now get tickets to receptions and luncheons; student program has been updated, travel reimbursement and travel assistance, get points to deliver papers, also going to committee meetings they get points

Redefinition of workshops, now they are sessions

Large poster session at the next meeting in Anaheim during the luncheon, all divisions should contribute. If this works out, Thursdays will be eliminated, poster sessions should be hosted during meeting hours. Consider adding a checkbox to suggest the paper for poster sessions.

A new IT system is being implemented by ANS, allow online communications, similar to Google docs, it's possible to collaborate and interact. June 2015 the website will be presented as a demo.

ANS position statement should be revised; everybody should be thinking about this to change it. Contact Ron Ellis with ideas.

### **Attachments**

Reactor Physics Division Executive Committee Meeting Agenda

Reactor Physics Division Executive Committee Meeting Sign-Up Sheet

Reactor Physics Division Program Committee Meeting - List of Participants

Proposal for New RPD Award

Reactor Physics Division Summer 2014 Treasurer Report

American Nuclear Society 2015 Student Conference (April 9-11, Texas A&M University) Information

**Reactor Physics Division Executive Committee Meeting**  
**Sunday, June 15, 2014, 4:00 - 6:00 PM**  
**Room S-3, Grand Sierra Resort & Casino**  
**Reno, NV**  
**AGENDA**

1. Call to Order – **Mark DeHart**
2. Distribution of Attendance List – **Fausto Franceschini**
3. Secretary's Report – **Fausto Franceschini** 5 min
  - a. Approval of minutes, November 2013 meeting (Washington)
  - b. RPD Newsletter (Spring edition)
4. 2015 Student Conference at Texas A&M - **Timothy Crook & Sarah Camba** 10 min
5. Treasurer's Report – **Pavel Tsevtkov** 5 min
  - a. Budget Status (payments, income, pending items, etc.)
  - b. Planning for undergraduate scholarship
  - c. ANS Treasurer's Webinar
6. 2013 RPD Survey – **Mark DeHart/Blair Bronley** 5 min
7. RPD Website and Facebook page Update – **Ron Ellis** 10 min
8. Scholarship Committee – **Mark DeHart** (for Ben Forget) 15 min
9. Program Committee Updates – **Alex Stanculescu** 20 min
  - a. Recommendation for PHYSOR 2016 Selection (Executive Committee vote)
  - b. 2013 Winter Meeting Recap (Washington, DC)
  - c. 2014 Annual Meeting Status Report (Reno, NV)
  - d. 2014 Winter Meeting (Anaheim, NV)
10. Topical Meetings (Updates, Requests for Sponsorship) 10 min
  - a. PHYSOR 2014 Status Report – **Akio Yamamoto**
  - b. Advances in Nuclear Fuel Management - W – **TBD**
  - c. Recap of PHYSOR proposal from selected bid – **Bid Leader or Rep**
11. Standards Committee Update – **Dimitrios Cokinos** 5 min
12. Honors and Awards Committee Update – **Dimitrios Cokinos** 10 min
  - a. Wigner Award
  - b. ANS Fellows
13. Joint Benchmark Committee Report – **Hany Abdel-Khalik** 5 min
14. Goals and Strategic Planning Committee – **Ron Ellis** 5 min
15. Professional Divisions 10 min
  - a. PDC Update – **Mark DeHart**
  - b. Liaison report – **Samuel Brinton** – PDC Liaison
  - c. YMP Liaison – **Mark DeHart**
16. New Business – **Mark DeHart** 10 min
  - a. Meeting with the ANS President
  - b. RPD table at Sunday President's Reception
  - c. Division Metrics
  - d. Welcome Letter from Chair
  - e. Other new business
17. Executive Committee Membership – **Mark DeHart** 5 min
  - a. Acknowledgement of members completing terms
  - b. Recognition of newly elected members and new officer positions
18. Adjournment

RPD EC SIGN-UP SABB-T

|                     |                 |                                   |
|---------------------|-----------------|-----------------------------------|
| FAUSTO FRANCESCHINI | westinghouse    | francesco@westinghouse.com        |
| Pavel Tsvetkov      | Texas A&M Univ. | tsvetkov@tamu.edu                 |
| Ugur MERTYUREK      | ORNL            | mertyurek@ornl.gov                |
| RUSSELL STACHOSKI   | GEHL GWF        | RUSSELL.STACHOSKI@GWF.COM         |
| MARK DEHART         | INL             | mark.dehart@inl.gov               |
| Alberto TELLUZO     | ANL             | atellu@anl.gov                    |
| Moussa Mahgerefteh  | Exelon Nuclear  | moussa.mahgerefteh@exeloncorp.com |
| Akio YAMAWATO       | Nagoya Univ.    | a-yamawato@nacl.nagoya-u.ac.jp    |
| David Orr           | Duke Energy     | david.orr@duke-energy.com         |
| Bojan Petrovic      | Georgia Tech    | bojan.petrovic@gatech.edu         |
| Paul ELLIS          | ORNL            | pellis@ornl.gov                   |
| Jarkko Leppänen     | VTT, Finland    | Jarkko.Leppanen@vtt.fi            |

|                  |              |                              |
|------------------|--------------|------------------------------|
| GIANLUCA LONGONI | WESTINGHOUSE | LONGONI & WESTINGHOUSE.COM   |
| Alex Stambleson  | INL          | alexander.stambleson@inl.gov |
|                  |              |                              |

RPD PROGRAM COMMITTEE MEETING LIST OF PARTICIPANTS

2:00 - 4:00 pm, Sunday, June 15, 2014

ANS Annual Meeting, Reno, NV, Grand Sierra Resort, Room S-3

| Name                      | Affiliation                | Email Address   |
|---------------------------|----------------------------|---|
| GIANLUCA LONGONI          | WESTINGHOUSE               | LONGON@WESTINGHOUSE.COM                                 |
| Jarkko Leppänen           | VTT Finland                | Jarkko.Leppanen@VTT.FI                                  |
| RON ELLIS                 | ORNL                       | ellisrj@ornl.gov  |
| Yunzhao Li (Liangzhi Cao) | Xi'an Jiaotong Univ. China | yunzhao@mail.xjtu.edu.cn                                |
| Florent HEIDET            | ANL                        | fheidet@anl.gov   |
| David Orr                 | Duke Energy                | david.orr@duke-energy.com                               |
| Akio Yamamoto             | Nagoya Univ.               | a-yamamoto@nucl.nagoya-u.ac.jp<br><del>a-yamamoto</del> |
| Moussa Mahgerefteh        | Exelon Nuclear             | moussa.mahgerefteh@exeloncorp.com                       |
| Andy Casella              | PNNL                       | Andrew.Casella@PNNL.GOV                                 |

|                          |   |                              |
|--------------------------|---|------------------------------|
| Yujun Guo (for Wei Shen) | Canadian Nuclear Safety Comm.<br>(CNSC) | yujun.guo@cnscc-ccsn.gc.ca   |
| Ben Rowben               | IZTI CONSULTING                         | ROUBEN@ALUM.MIT.EDU          |
| Adam Zabrisnik           | Student - Oregon State University       | zabrisad@onid.orst.edu       |
| Mark Pierson             | Virginia Tech                           | mark.pierson@vt.edu          |
| MARK DELHART             | INL                                     | Mark.DelHart@inl.gov         |
| Ugur Mertgunet           | ORNL                                    | ugur.mertgunet@ornl.gov      |
| Pavel Tsvetkov           | Texas A & M Univ.                       | tsvetkov@tamu.edu            |
| Fausto Franceschini      | Westinghouse                            | francef@westinghouse.com     |
| Bojan Petrovic           | Georgic Tech                            | bojan.petrovic@gatech.edu    |
| Luit Lead                | ORNL                                    | leallc@ornl.gov              |
| Alex Stanculescu         | INL                                     | alexandr.stanculescu@inl.gov |

## Proposal for new RPD Award

### Undergraduate Scholarship

Purpose of the award: Recognize promising students at the junior/senior level with an interest in the field of reactor physics.

#### 1) Financing

The RPD is proposing to establish a \$3000 undergraduate scholarship in memory of a pioneer of the reactor physics field to be determined later by the Division. As per the website requirements, this annual award will require an endowment of \$60,000 from the division.

The RPD currently has a very strong financial balance that would allow us to make an initial down-payment of \$30,000. The remainder of the endowment would be separated over a 5-year period with annual \$6,000 payments. These funds would be provided from strong topical meeting performance from PHYSOR and co-sponsorship activities of M&C. The PHYSOR meetings have always been successful financially, and RPD is confident that a \$6,000 annual payment will not create much strain on the proper functioning of the division.

Additionally, the RPD division will encourage members to nominate a name for the scholarship and seek donations to supplement the endowment. However, the division is committed to move forward without donations.

**Update:** A vote was held by our division for naming the scholarship. John Lamarsh was the clear winner of the vote, and thus we would like to name our scholarship: the John Lamarsh Undergraduate Reactor Physics Scholarship. However, RPD is aware that there already exists an undergraduate scholarship in John Lamarsh's name within ANS. We do feel that its importance in our field is such that a second named scholarship is warranted, but if ANS disagrees, our backup would be the Rudy Stamm'ler Undergraduate Reactor Physics Scholarship.

#### 2) Guidelines

The award will be restricted to students who have completed two or more years of nuclear-related studies, which will fit nicely with the current undergraduate scholarship program of ANS. The RPD would also add the need for an essay of 2 pages. The essay would require the applicants to discuss a reactor physics related research project that they have been involved in and could potentially be tied to the accomplishments of the person for whom the scholarship will be named.

#### 3) Administration

Award will be added to the application form for the current undergraduate scholarships with the added requirement of an essay for the interested applicants.

The packages will be submitted to ANS and applications forwarded to the Chair of the RPD Scholarship committee. The Chair will be responsible to form an evaluation committee that will review all applications and rank them. This committee will be the same as the one formed for the Henry/Greebler award. The top performer with respect to GPA, references and essay will be awarded the scholarship.





AMERICAN NUCLEAR SOCIETY  
REACTOR PHYSICS DIVISION  
Summer 2014–Treasurer Report



<http://rpd.ans.org>

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*By Pavel Tsvetkov*

*([Tsvetkov@tamu.edu](mailto:Tsvetkov@tamu.edu))*

The Reactor Physics Division is in an excellent financial status. The continuing support of the expanding membership and a number of financially successful topical meetings led to our significant balance of \$73,239 for 2014.

The 2014 member allocation division income is \$3,942 (actual for 3 months of 2014 reported as \$954).

The fund balance as of 1/1/2014 is \$72,797 (\$71,251 as of 3/31/14 after provided student support).

We support student conferences annually at \$2,500, invest \$1,000 in our website development efforts, and continue our regular support of student travel to national meetings, \$500/national meeting.

Our sustained growth in the RPD budget allows us to fund the current Henry/Greebler Scholarship and to proceed developing the 2<sup>nd</sup> RPD endowed scholarship.

This year we allocated \$30,000 as our 1<sup>st</sup> year contribution to the 2<sup>nd</sup> RPD endowed undergraduate scholarship.

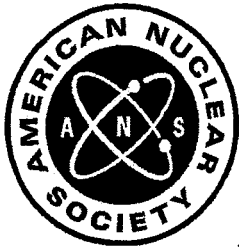
**AMERICAN NUCLEAR SOCIETY  
DIVISION FINANCIAL REPORT  
3/31/2014**

**REACTOR PHYSICS DIV.**

|  | <b>BUDGET<br/>12 MONTHS<br/>2014</b> | <b>ACTUAL<br/>3 MONTHS<br/>2014</b> | <b>PAGE 2<br/>REF.</b> |
|--|--------------------------------------|-------------------------------------|------------------------|
| <b>REVENUES</b>                                |                                      |                                     |                        |
| 2014 MEMBER ALLOCATION<br>DIVISION INCOME 2014 | 3,942                                | 954<br>0                            | 1                      |
| <b>TOTAL REVENUES</b>                          | <b>3,942</b>                         | <b>954</b>                          |                        |
| <b>EXPENSES</b>                                |                                      |                                     |                        |
| NEWSLETTERS                                    | 1,000                                | 0                                   | 2                      |
| AWARDS, PLAQUES                                | 0                                    | 0                                   | 3                      |
| NATIONAL MEETING COSTS                         | 0                                    | 0                                   | 4                      |
| DIVISION OFFICER EXPENSE                       | 0                                    | 0                                   | 5                      |
| STUDENT SUPPORT                                | 2,500                                | 2,500                               | 6                      |
| SCHOLARSHIP/NEED FUNDING                       | 0                                    | 0                                   | 7                      |
| WEB MAINTENANCE                                | 0                                    | 0                                   | 8                      |
| OTHER EXPENSES                                 | 0                                    | 0                                   | 9                      |
| <b>TOTAL EXPENSES</b>                          | <b>3,500</b>                         | <b>2,500</b>                        |                        |
| <b>NET SURPLUS / (DEFICIT)</b>                 | <b>442</b>                           | <b>(1,546)</b>                      |                        |
| <b>FUND BALANCE AT 1/1/14</b>                  | <b>72,797</b>                        | <b>72,797</b>                       |                        |
| <b>FUND BALANCE AT 3/31/14</b>                 | <b>73,239</b>                        | <b>71,251</b>                       |                        |

### 2015 Budget Template for Reactor Operations Division

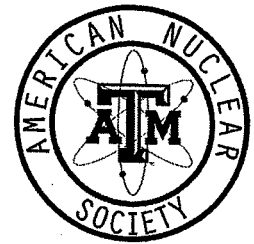
|   | 2013<br>Actual   | 2014<br>Budget  | 2014<br>Actual through 3/31/2014 | 2015<br>Proposed  |
|---|------------------|-----------------|----------------------------------|-------------------|
| <b>Balance Forward from Previous Year</b> | \$74,273         | \$72,797        | \$72,797                         | \$73,239          |
| <b>Budget Funds</b>                       |                  |                 |                                  |                   |
| Member Dues Allocation (\$2/member)       | \$4,112          | \$3,942         | \$954                            | \$3,812           |
| Division Income                           | \$0              | \$0             |                                  |                   |
|   |                  |                 |                                  |                   |
| <b>Total Income</b>                       | <b>\$4,112</b>   | <b>\$3,942</b>  | <b>\$954</b>                     | <b>\$3,812</b>    |
| <b>Budget Expenses</b>                    |                  |                 |                                  |                   |
| Newsletters, Website                      | \$25             | \$1,000         | \$0                              | \$1,000           |
| Awards & Plaques                          | \$74             | \$0             | \$0                              | \$0               |
| National Meeting Costs                    | \$340            | \$0             | \$0                              | \$0               |
| Topical Meeting Costs                     | \$0              | \$0             | \$0                              | \$0               |
| Division Officer Expenses                 | \$0              | \$0             | \$0                              | \$0               |
| Student Support                           | \$5,000          | \$2,500         | \$2,500                          | \$2,500           |
| Scholarship/NEED Funding                  | \$0              | \$0             | \$0                              | \$30,000          |
| YMG Support                               | \$0              | \$0             | \$0                              | \$0               |
| Other Expenses                            | \$149            | \$0             | \$0                              | \$0               |
| <b>Total Expenses</b>                     | <b>\$5,588</b>   | <b>\$3,500</b>  | <b>\$2,500</b>                   | <b>\$33,500</b>   |
| <b>Net</b>                                | <b>(\$1,476)</b> | <b>\$442</b>    | <b>(\$1,546)</b>                 | <b>(\$29,688)</b> |
| <b>Total Year End Funds</b>               | <b>\$72,797</b>  | <b>\$73,239</b> | <b>\$71,251</b>                  | <b>\$43,551</b>   |



# POWERING TOMORROW TOGETHER

American Nuclear Society  
2015 Student Conference

April 9-11  
Texas A&M University  
ansstucon.tamu.edu



## Goals:

650-700 Total Attendees  
400-450 Domestic Students  
50 International Students  
150 Professionals

## Conference Content:

Technical Presentations (Podium and Poster)  
Special Technical Track: International Applications  
Workshops  
Career Fair  
Panels  
Tours (Labs, Facilities, and Regional Tours)  
Socials (Including WiN, INMM, HPS, NAYGN)  
Speaker Dinners (3)

## Panels:

International Business Etiquette  
Opportunities for Research Abroad  
Graduate School Informational  
*International Students: Applying to Grad School in the US*  
*Domestic Students: NUEN and Rad. Health Grad. School Abroad*

## Workshops:

Thermal Hydraulics  
Nuclear Security Workshop  
Disaster City  
K-12/Scout Merit Badge  
AGN Reactor Start-up  
Computational Fluid Dynamics  
Global Fuel Cycle  
RELAP 5