Reactor Physics Division Executive Committee Meeting
June 7, 2015
4:00 p.m. – 6:00 p.m.    Presidio A/B, Grand Hyatt San Antonio, San Antonio, Texas

1. Call to Order – Ron Ellis
   The Reactor Physics Division (RPD) Executive Committee Meeting was called to order.

2. Distribution of Attendance Sheet – Arzu Alpan
   The attendance sheet was distributed.

3. Executive Committee Membership – Ron Ellis
   Ellis reported that the Spring 2015 RPD newsletter was distributed to the RPD members.
   a. Executive committee members and officers completing their terms were acknowledged.
   b. Newly elected executive committee members and officers were reported.

4. Secretary's Report – Arzu Alpan
   a. Meeting minutes from the November 2014 meeting (Anaheim CA) were approved.
   b. It was mentioned again that the RPD Spring Newsletter (Spring 2015 edition) was issued and distributed to RPD members. Ali Haghighat provided positive feedback on the newsletter.

5. Treasurer's Report – Fausto Franceschini
   a. Budget status (payments, income, pending items, etc.) was reported (see attachment).
   b. The RPD budget was approved.

6. RPD Website and Facebook page Update – Pavel Tsvetkov
   Tsvetkov indicated that ANS developed two templates for professional division websites and pointed out that the website should be kept up to date.

7. Discussion on status of new Lineberry Memorial Scholarship – Donald Hoffman
   Hoffman is asking ANS professional divisions, which Lineberry was mostly passionate about, to support the Lineberry Scholarship. This scholarship is a Masters/PhD level scholarship. Hoffman informed that $11,500 was needed to have the scholarship fully endorsed. Ellis made a motion to disburse $5000 in 2015, and $6500 in 2016 for the Lineberry Memorial Scholarship. Haghighat seconded. All was in favor, and the motion was approved.

8. RPD Scholarships – Ron Ellis
   RPD has two scholarships. The Henry/Greebler Scholarship (for graduate work) was awarded to Richard Vega of Texas A&M in the amount of $3500. The Rudi Stamm'ler Scholarship (undergraduate scholarship) was awarded for the first time to Travis
Hickman of UT; it was paid out this Spring, in the last month or so. Ellis will confirm that the awarded amount was $3500.

Ellis pointed out that RPD has two good scholarships covering both undergraduate and graduate levels. Ellis informed that Ben Forget encouraged everyone to advertise these scholarships at universities.

   a. A summary report of the 2015 ANS Student Conference was provided. The 2015 student conference was held at Texas A&M. There were 527 attendees: 417 students and 110 professionals, and included 25 international attendees. There was a presence from 43 universities, 39 companies, and 8 countries (see attachment).
   b. The 2016 student conference will be held at the University of Wisconsin-Madison. General chairs of the conference were present. Kalin Kiesling, general co-chair of the 2016 Student Conference, presented her conference business card to the RPD secretary. There will be focus on professional development at the conference. There will also be an innovation competition. Sponsorship package information for the conference was distributed (see attachment).

10. Program Committee Updates – **Cristian Rabiti**
   a. 2014 National (Winter) Meeting Status Report (Anaheim, CA): 65 papers were submitted, 64 papers were accepted.
   b. 2015 Annual Meeting (San Antonio, TX): Less participation was noted compared to the 2014 Winter Meeting. There were 54 papers submitted, and 53 were accepted. It was noted that RPD was found to be the 2nd strictest division in ANS for paper reviews.
   c. 2015 National (Winter) Meeting (Washington, DC): There will be four special sessions. There may possibly be a 5th and 6th session. Deadline is end of the week to submit sessions. Young members should be included.
   d. PHYSOR2018: Call for bids will be out by the end of the 2015 ANS Winter Meeting. The bid acceptance will occur by the next ANS Annual meeting. PHYSOR2018 is not planned to be outside the US; however, Canadians are expected to bid. While the preference will be US for the location, if there is a strong bid from Canada, it will be considered.
   e. RPD Program Committee Membership: Members entering and exiting the program committee will be at the end of ANS Annual Meetings. After three years, memberships can be renewed, but it is expected that these members are active in the committee.

11. Topical Meetings
   a. Update on PHYSOR 2016 – **Mark DeHart**
      Speakers: Bill Magwood (OECD) is a confirmed speaker. John Kotek (DOE) and congressman Mike Simpson are interested to be speakers. Bill Gates was invited, but he is not available to attend.
      Co-sponsors: Co-sponsors are Areva, INL, NuScale, and TerraPower. Westinghouse, Studsvick, Atkins, and ORNL may co-sponsor. Other companies/national labs will be contacted for sponsorship.
      Announcement: Meeting was announced in October 2014. Paper solicitation began April 2014. Submission of extended summary deadline was moved from July 31st to August 31st 2015.
This meeting was sponsored by the Fuel Cycle and Waste Management Division (FCWMD) and by RPD. It was held at the Hilton Head, starting on March 29, 2015. It turned out to be a successful meeting. FCWMD and RPD earned $2000 (per division). There was competition from M&C 2015 and other events going on around the same time. The CASL workshop at the meeting was well received and interesting. The general chair was Bill Herwig. Technical program committee co-chairs were Ivan Maldonado and Atul Karve. This meeting occurs every six years. Each division receives 5% of the earnings; half goes to ANS National, and the local section gets the remainder. The split is pre-arranged.

c. Joint International Conference on Mathematics and Computation (M&C), Supercomputing in Nuclear Applications (SNA) and the Monte Carlo (MC) Method (M&C + SNA + MC 2015) – Kevin Clarno
Bernadette Kirk was the general chair. Technical co-chairs were Bob Grove and Kevin Clarno. The conference was held in Nashville, TN about 1.5 months ago, jointly by M&C + SNA + MC. There were 360 attendees, 110 students. There were 13 workshops with heavy attendance. In general, the meeting was very successful (see attachment).

12. Standards Committee Update – Dimitrios Cokinos
Some standards are being updated. Lifetime of a standard is five years. If it is not maintained, the standard needs to be reaffirmed to make it valid.
   a. ANS-19.1, "Nuclear Data Sets for Reactor Design Calculations" deals with cross-section libraries, processing, etc.
   c. ANS-19.5, "Requirements for Reference Reactor Physics Measurements" is withdrawn.
   e. ANS-19.10, "Methods for Determining Neutron Fluence in BWR and PWR Pressure Vessel and Reactor Internals" is valid, but lifetime is approaching its end point.

International standards involvement is in progress. So far, there are two ANS-19 standards that are accepted to be under the International Organization for Standardization (ISO): "Steady-state Neutronics Methods for Power Reactor Analysis" and "Reload Startup Physics Tests for Pressurized Water Reactors." These two standards are still being worked on, but have passed the critical stage. There was an ISO meeting held, in the last couple of days, and attendance was very good.

13. Honors and Awards Committee Update – Dimitrios Cokinos
   a. Wigner Award: Nominations for the Wigner award came very late this year and reviews could not be performed. Papers were received late May/early June, and were not on time. Therefore, November should be aimed for this award.
   b. Cokinos announced that RPD has an Early Career Reactor Physicist Award established. This award was developed within the last 2-3 years. The award recognizes accomplishments by a person in the field of reactor physics who has not turned 40 at the time of the nomination. There will be a plaque awarded to the recipient. Three letters of recommendation (and no more than five) are required.
14. Goals and Strategic Planning Committee – Pavel Tsvetkov
   a. A liaison is needed to serve between RPD and the Young Members Group.
      ➢ Moussa Mahgerefteh volunteered to be the liaison.
   b. ANS headquarters developed web site templates for the professional divisions.
   c. ANS headquarters encourages interface between divisions and other societies.
   d. Roles and plans should be reviewed and updated. Gianluca Longoni has volunteered to help.

15. Liaison report – Board Liaison
    A board liaison was not present.

16. Professional Divisions Workshop Update – Ron Ellis
    a. Professional division chairs will be meeting with the ANS president.
    b. There are archival sites for each division; divisions should be using these sites to archive newsletters, financial papers, etc.
    c. ANS headquarters wants topical meetings to be embedded in national meetings. Blair Bromley indicated that embedded topicals are better for smaller divisions.

17. New Business
    a. Piero Ravetto announced that the 24th International Conference on Transport Theory will be held in Italy. It was held in Santa Fe, New Mexico previously. Deadline to submit an abstract is June 15th.
    b. Alpan asked to review the sponsorship levels for the 2016 Student Conference. RPD plans to contribute $2500 for the 2016 Student Conference. This level of sponsorship includes a table at the career fair and recognition on the conference program.

18. Adjournment – Ron Ellis
    Ellis adjourned the meeting at 5:56 pm.

Respectfully submitted,
Arzu Alpan, RPD Secretary

Attachments: RPD Executive Committee Meeting Attendance Sheet
            Treasurer’s Report and RPD Membership (distributed by Fausto Franceschini)
            2015 ANS Student Conference Summary and Statistics (distributed by 2015 ANS Student Conference Representatives)
            2016 ANS Student Conference (distributed by 2015 ANS Student Conference Representatives)
            Report on the 2015 Joint International Conference on Mathematics and Computation (M&C), Supercomputing in Nuclear Applications (SNA) and the Monte Carlo (MC) Method (distributed by Kevin Clarno)
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<tr>
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<th>Initial when present</th>
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<tbody>
<tr>
<td>Ronald J. Ellis, Chair</td>
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<tr>
<td>Pavel V. Tsvetkov, Vice Chair</td>
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<tr>
<td>Arzu Alpan, Secretary</td>
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<tr>
<td>Fausto Franceschini, Treasurer</td>
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<td>Mark D. DeHart, Immediate Past Chair</td>
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<tr>
<td>Sandra Dulla</td>
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<td>Anna S. Erickson</td>
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<tr>
<td>Melissa A. Hunter</td>
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<td>Jaakko I. Leppanen</td>
<td>J L</td>
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<tr>
<td>Gianluca Longoni</td>
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<td>Moussa Mahgerefteh</td>
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<td>Guy Marleau</td>
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<td>David S. Orr</td>
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<td>Bojan Petrovic</td>
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<td>Mark A. Pierson</td>
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<td>Russell E. Stachowski</td>
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<tr>
<td><strong>Others, please PRINT in</strong></td>
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<tr>
<td>Dimitri Cokinos</td>
<td><a href="mailto:cokinos@bnl.gov">cokinos@bnl.gov</a></td>
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<tr>
<td>Akio Yamamoto</td>
<td>A Y</td>
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<tr>
<td>Piero Ravetta</td>
<td>R P</td>
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<tr>
<td>Mathieu Blondel</td>
<td><a href="mailto:mathieu.blondel@inl.gov">mathieu.blondel@inl.gov</a></td>
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<tr>
<td>Cristina Rabitti</td>
<td>C R</td>
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<tr>
<td>John Bess</td>
<td><a href="mailto:john.bess@inl.gov">john.bess@inl.gov</a></td>
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<tr>
<td>Margaret Marshall</td>
<td><a href="mailto:Margaret.marshall@inl.gov">Margaret.marshall@inl.gov</a></td>
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<tr>
<td>Jess Gehin</td>
<td>J G</td>
</tr>
<tr>
<td>Blair Bromley</td>
<td><a href="mailto:Blair.Bromley@gmail.com">Blair.Bromley@gmail.com</a></td>
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(ARRIVE AT 5:45PM)
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<p>| NET SURPLUS / (DEFICIT)                       | 442                   | (30,307)              |             |
| FUND BALANCE AT 1/1/14                         | 72,797                | 72,797                |             |
| FUND BALANCE AT 12/31/14                       | 73,239                | 42,490                |             |</p>
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<tr>
<td>Net Surplus/(Deficit)</td>
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<tr>
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<td>Actual</td>
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<td><strong>Revenues</strong></td>
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<td><strong>Expenditures</strong></td>
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<td>Newsletters</td>
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<td><strong>Net Surplus/(Deficit)</strong></td>
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Fund Balance at 1/1/15: 42,490.00  42,490.00  -
Fund Balance at 3/31/15: 37,369.00  7,444.00  29,925.00
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<th>Division-Designated</th>
<th>Total Scholarship Funds</th>
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<td>+ $0</td>
<td>+ $0</td>
<td>+ $0</td>
<td>+ $0</td>
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<td>+ $0</td>
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<tr>
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<tr>
<td>Date</td>
<td>Description</td>
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<td>Division-Designated</td>
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<td>Board-Designated Assistance</td>
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<td>$0</td>
<td>$125,679</td>
<td>$0</td>
<td>$125,679</td>
<td>$0</td>
<td>$125,679</td>
</tr>
<tr>
<td>1/1/2015</td>
<td><strong>Spend limit for year is 9.24%</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Reactor Physics Division Annual Membership

- 2005: 1589
- 2006: 1634
- 2007: 1717
- 2008: 1750
- 2009: 1793
- 2010: 1923
- 2011: 1943
- 2012: 1971
- 2013: 1906
- 2014: 1760
- 2015: 1819
<table>
<thead>
<tr>
<th>Category</th>
<th>Percentage</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students</td>
<td>24%</td>
<td>431</td>
</tr>
<tr>
<td>National Lab</td>
<td>16%</td>
<td>287</td>
</tr>
<tr>
<td>Educational Inst.-Staff</td>
<td>15%</td>
<td>269</td>
</tr>
<tr>
<td>Utility</td>
<td>10%</td>
<td>177</td>
</tr>
<tr>
<td>Retired</td>
<td>9%</td>
<td>164</td>
</tr>
<tr>
<td>Consulting Co.</td>
<td>5%</td>
<td>92</td>
</tr>
<tr>
<td>Manufacturer</td>
<td>5%</td>
<td>82</td>
</tr>
<tr>
<td>Govt. Agency</td>
<td>4%</td>
<td>75</td>
</tr>
<tr>
<td>Other</td>
<td>3%</td>
<td>61</td>
</tr>
<tr>
<td>Arch./Cons.</td>
<td>3%</td>
<td>61</td>
</tr>
<tr>
<td>Supplier</td>
<td>2%</td>
<td>39</td>
</tr>
<tr>
<td>Service Co.</td>
<td>2%</td>
<td>34</td>
</tr>
<tr>
<td>Prvt. Research Lab</td>
<td>1%</td>
<td>27</td>
</tr>
<tr>
<td>Active Military</td>
<td>1%</td>
<td>17</td>
</tr>
<tr>
<td>Construct. Co.</td>
<td>0.2%</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100%</strong></td>
<td><strong>1,819</strong></td>
</tr>
</tbody>
</table>

### Reactor Physics

**Division by Industry as of March 31, 2015**

- Students, 24%
- National Lab, 16%
- Educational Inst.-Staff, 15%
- Utility, 10%
- Retired, 9%
- Consulting Co., 5%
- Manufacturer, 5%
- Govt. Agency, 4%
- Other, 3%
- Arch./Cons., 3%
- Supplier, 2%
- Service Co., 2%
- Prvt. Research Lab, 1%
- Active Military, 1%
- Construct. Co., 0.2%
2015 ANS Student Conference Summary and Statistics (distributed by 2015 ANS Student Conference Representatives)
Statistics
Total Attendance: 527
417 Students
110 Professionals
Includes 25 International Attendees

Representing:
43 Universities
39 Companies
8 Countries

Setting Standards
Lunch-and-Learns (7)
Dinner Interaction with Students
Professionals Lounge
NED Special Issue
Web-Based Data Collection
First-Time Attendee Orientation Session
Getting involved in ANS National Panel

Technical Program
160 Summaries Including:
125 Papers
35 Posters
33 Awards in 18 Tracks
2016 ANS Student Conference (distributed by 2016 ANS Student Conference Representatives)
The University of Wisconsin-Madison, ANS Student Section is excited to announce that we will be hosting the 2016 American Nuclear Society Student Conference. It will be hosted in the Madison Concourse Hotel, located in the heart of Madison near the Wisconsin State Capitol. The Student Conference plans to bring together 400 students and 150 professionals from across the country between March 31 and April 3, 2016 to discuss the latest technologies and opportunities in the nuclear industry.

The theme of our conference is *Being a Critical Member of the Nuclear Industry*. In a nuclear reactor, a balance of the right conditions is necessary for the reactor to be "critical", or stable. As in a nuclear reactor, having a balance of many different qualities is also important for an individual to succeed in the professional world. Our theme is modeled after the Four-Factor Formula for nuclear reactor criticality, \( k = \eta \mathcal{f} \rho \). We have defined our own "Four Factors", around which conference events will be focused: \( \eta \) nuclear opportunities, \( \mathcal{f} \) forming our public image, \( \rho \) professional development, and \( e \) entrepreneurship. These factors will be realized through series of technical sessions, hands-on workshops, and panels, and dinners that individually highlight a specific factor.

Organizers who sponsor our conference will be given myriad opportunities to engage with the next generation of nuclear engineers. These opportunities include talking to students at the career fair, interviews with potential employees, and dining with students during the networking dinner. Organizations that sponsor the conference have several sponsorship packages to choose from. The benefits associated with each are described below. Sponsorship of an event will be prominently displayed during the conference through signage and advertisement in our program, website, and conference app.

The core benefit of all sponsorship packages is attendance at the career fair. The career fair will take place all day Friday and on Saturday morning of the conference. Each attending sponsor will have access to a six-foot long table to display material and set up posters. We can also make accommodations for companies with large posters to display. In addition, we will offer private interview rooms upon request, giving recruiters the chance to meet potential interns and employees face-to-face.

The Supercritical and Critical sponsorship packages come with designation as the sponsor of the one of the three conference dinners. The dinners are focal points of the conference, where every attendee in present in one room. The Thursday night dinner will take place at the Madison Concourse Hotel and will be organized as a networking dinner. The number and locations of the tables designated for each sponsor will be tied to its sponsorship package. Students will then choose which company to sit with based on their interests, allowing professionals and students to interact in a less-formal environment. The Friday night Wisconsin-themed dinner will take place at the Monona Terrace and will be followed by a dance social with a DJ. The closing Saturday night awards dinner will take place at the Concourse Hotel. Company representatives are encouraged to attend all three dinners to make the most impact on students.
A summary of our available sponsorship packages is included on the following page. If your company has interest in being a sponsor for the 2016 ANS Student Conference at the University of Wisconsin-Madison, please contact us either by phone (608-572-7267) or by email at ANSSStudentConference2016@gmail.com. Sponsorship will help make your company more visible to the nuclear engineers of tomorrow and will help them develop them into critical members of the nuclear industry. We hope you will help us make the 2016 ANS Student Conference the best yet!

Sincerely,

Matthew J. Jasica, Kalin Kiesling, AJ Gross
General Co-Chairs
2016 ANS Student Conference
University of Wisconsin-Madison
608.572.7287
ANSSStudentConference2016@gmail.com
Sponsorship Packages

**Supercritical Sponsor ≥ $30,000**
- Sponsor of the Friday night dinner at Monona Terrace
- Full-page advertisement on the program's inside cover
- Advertising space on conference website and app
- Logo printed on t-shirts given to all conference attendees as a part of the gift bag
- Preferential location and multiple tables at the career fair
- Private interview rooms
- Preferential seating in the networking dinner

**Critical Sponsor ≥ $20,000**
- Sponsor of the Thursday or Saturday night dinner at the Madison Concourse Hotel
- Full-page advertisement in the program
- Recognition on conference website and app
- Logo printed on a gift bag item
- Preferential location at the career fair
- Semi-private interview rooms
- Preferential seating in the networking dinner

**Fissile Sponsor ≥ $10,000**
- Sponsor of a panel or workshop, in addition to a technical track or poster session
- Half-page advertisement in the program
- Recognition on conference website and app
- Logo printed on gift bag items
- Table at the career fair

**Fissionable Sponsor ≥ $5000**
- Sponsor of a conference social, technical track, or poster session
- Quarter-page advertisement in the program
- Recognition on conference website and app
- May supply a branded item for gift bags
- Table at the career fair

**Radioactive Sponsor ≥ $2500**
- Table at the career fair
- Recognition in conference program

**Contributor ≥ $500**
- Recognition in conference program
Report on the 2015 Joint International Conference on Mathematics and Computation (M&C), Supercomputing in Nuclear Applications (SNA) and the Monte Carlo (MC) Method (distributed by Kevin Clarno)
Report on the 2015 Joint International Conference on Mathematics and Computation (M&C), Supercomputing in Nuclear Applications (SNA), and the Monte Carlo (MC) Method

The Organizing Committee
# Organizing Committee

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
<th>Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Chairs:</td>
<td>Bernadette Kirk</td>
<td>Kirk Nuclear Information Services</td>
</tr>
<tr>
<td>Assistant General Chair:</td>
<td>Lawrence Heilbronn</td>
<td>University of Tennessee</td>
</tr>
<tr>
<td>Honorary Chair:</td>
<td>Enrico Sartori</td>
<td>Retiree, OECD Nuclear Energy Agency</td>
</tr>
<tr>
<td>Technical Co-Chairs:</td>
<td>Bob Grove</td>
<td>ORNL</td>
</tr>
<tr>
<td></td>
<td>Kevin Clarino</td>
<td>ORNL</td>
</tr>
<tr>
<td>Assistant Technical Chair</td>
<td>Chris Perfetti</td>
<td>ORNL</td>
</tr>
<tr>
<td>Workshops:</td>
<td>Charles Daily</td>
<td>ORNL</td>
</tr>
<tr>
<td>Arrangements:</td>
<td>Peggy Emmett</td>
<td>Retiree, ORNL</td>
</tr>
<tr>
<td>Session Evaluation and Feedback:</td>
<td>Irina Popova</td>
<td>ORNL</td>
</tr>
<tr>
<td>Technical Tours:</td>
<td>Mark Baird</td>
<td>RSICC, ORNL</td>
</tr>
<tr>
<td></td>
<td>Shaheen Dewji</td>
<td>ORNL</td>
</tr>
<tr>
<td>Publicity:</td>
<td>Trent Primm</td>
<td>Primm Consulting, LLC</td>
</tr>
<tr>
<td>Treasurer:</td>
<td>Charles Daily</td>
<td>ORNL</td>
</tr>
<tr>
<td>Registration:</td>
<td>Hanna Shapira</td>
<td>TICS</td>
</tr>
<tr>
<td>Hospitality:</td>
<td>Anne Primm</td>
<td></td>
</tr>
<tr>
<td>Publications:</td>
<td>Ahmad Ibrahim</td>
<td>ORNL</td>
</tr>
<tr>
<td>Student Representative:</td>
<td>Cole Gentry</td>
<td>University of Tennessee</td>
</tr>
<tr>
<td>Web:</td>
<td>Hanna Shapira</td>
<td>TICS</td>
</tr>
<tr>
<td>Corporate Sponsorship:</td>
<td>Chris Robinson</td>
<td>Y-12</td>
</tr>
<tr>
<td>International Liaison:</td>
<td>Imre Pazsit</td>
<td>Chalmers University</td>
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# Projected vs Actual

<table>
<thead>
<tr>
<th>Category</th>
<th>Projected</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attendance</td>
<td>225</td>
<td>360</td>
</tr>
<tr>
<td>Student Attendance</td>
<td>30</td>
<td>110</td>
</tr>
<tr>
<td>Technical Papers</td>
<td>250</td>
<td>250</td>
</tr>
<tr>
<td>Session Topics (some span more than one technical session)</td>
<td></td>
<td>24</td>
</tr>
<tr>
<td>Parallel sessions</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>Poster Sessions</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Number of countries</td>
<td></td>
<td>21</td>
</tr>
<tr>
<td>Workshops</td>
<td>5</td>
<td>13</td>
</tr>
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</table>

**Finances**

<table>
<thead>
<tr>
<th>Category</th>
<th>Projected</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sponsors</td>
<td>$7500</td>
<td>$21,500</td>
</tr>
<tr>
<td>Revenues</td>
<td>$165,100</td>
<td>$250,791</td>
</tr>
<tr>
<td>Expenses</td>
<td>$140,292</td>
<td>$180,238</td>
</tr>
<tr>
<td>Excess (25% local, 25% M&amp;C, 50% National)</td>
<td>$24,808</td>
<td>$70,553</td>
</tr>
</tbody>
</table>
Size and Speakers

- **Plenary and Award Speakers**
  - Charlie Fazzino – ExxonMobil Manager of HPC
  - Jess Gehin – Director of CASL
  - Anil Prinja – Pomraning Award Presentation

- **Special Sessions**
  - Advanced Angular Discretizations for the Transport Equation
  - Next Generation Sn Mesh Sweeps
  - Advanced Solvers in Nuclear Technology
  - Computational Thermal Hydraulics and Fluid Dynamics
  - Improved Multigroup Cross Section Generation
  - Mathematical Methods in Nuclear Nonproliferation and Safeguards Applications
  - Monte Carlo Criticality Calculations with Thermal-Hydraulic Feedback
  - Monte Carlo with CAD and Complex Geometries
  - Next Generation Parallelism for Monte Carlo
  - Theoretical Topics in Neutron Transport Theory
  - Response Methods for Particle Transport Modeling and Simulation
  - Transport in Stochastic Media
  - Whole-Core Modeling and Simulation
# Sponsors

<table>
<thead>
<tr>
<th>Sponsor</th>
<th>Funding</th>
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</thead>
<tbody>
<tr>
<td>Platinum level - National Nuclear Security Administration (NNSA)</td>
<td>$10,000</td>
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<tr>
<td>Gold level - Radiation Safety Information Computational Center (RSICC)</td>
<td>$5,000</td>
</tr>
<tr>
<td>Silver – Varian</td>
<td>$3,500</td>
</tr>
<tr>
<td>Silver - Institute of Nuclear Technology (Chinese Academy of Sciences)</td>
<td>$2,500</td>
</tr>
<tr>
<td>Supporting level - Kirk Nuclear Information Services</td>
<td>$500</td>
</tr>
</tbody>
</table>
## Finances

<table>
<thead>
<tr>
<th>Revenue</th>
<th>Amount</th>
<th>Expenses</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registrations</td>
<td>$227,855</td>
<td>Admin</td>
<td>$6,642</td>
</tr>
<tr>
<td>Special Events</td>
<td>$1,436</td>
<td>Special Events</td>
<td>$114,690</td>
</tr>
<tr>
<td>Other</td>
<td>$21,500</td>
<td>Contracted Services</td>
<td>$43,549</td>
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<tr>
<td></td>
<td></td>
<td>Other</td>
<td>$15,356</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$250,791</strong></td>
<td><strong>Total</strong></td>
<td><strong>$180,238</strong></td>
</tr>
</tbody>
</table>

- Total includes Gelbard reception, which must be deducted
- Costs: $7699
- MCD Profit
  - Budget: ~$6,500
  - Actual: ~$17,500
Honors and Awards

- Best Student Paper
  - $500, $300, 200 awards will be distributed by mail
  - Winners are yet to be determined
    - Special thanks to Barry Ganapol for continuing to push for this

- Nuclear Science and Engineering Special Issue
  - ~40 papers will be sent to NS&E for consideration
  - Paper have not yet been identified
Key Frustrations

- Website for paper submission and review
  - Deleted reviewer comments if there was an apostrophe
  - Reviewer was not informed review was submitted
    - TICS was made aware and will fix for future meetings

- Food ran out early
  - “Per person” portions at the hotel were very small
  - Timely communication and agreement was required between finance, arrangements, and general chairs, and hotel liaison
    - Establish priorities and policies in advance

- Banquet hall was potentially too small
  - With 360 attendees, potential conflict with room holding 300
  - Overflow room was created with sound piped in
    - Not needed, because general attrition and fear of not having a seat

- Student Best Paper Awards were not given
  - Was not in the original budget
  - TPC made preparations to award them if possible
    - Encouragement from attendees and final budget allowed it
Lessons Learned

- Arrangements
  - Prices in Nashville are very high relative to Knoxville, TN
  - Changeover in staff at Sheraton caused confusion; retain copies of all communication with hotel staff.
- Publicity
  - Free publication in ANS NEWS is available – use it.
  - Web-based advertising was not used, but should be considered.
- Hospitality
  - Consider removing it; there was very little interest
- Wi-Fi
  - None provided (intentionally), but that frustrated many
- Student Support
  - Website: www.signupgenius.com worked great
- Awards
  - Always plan for student best papers awards; consider making it required
- Oral presentation selection
  - Utilizing oral presentation slots to encourage early paper submission worked very well