

Minutes
Reactor Physics Division Executive Committee Meeting
Sunday, November 7, 2010
Location: Capri 111
Riviera Hotel, Las Vegas, NV, USA

The meeting was called to order by Ivan Maldonado (Division Chair) at 4:08 pm. Prof. Maldonado asked all attendees to introduce themselves and circulated a signup sheet for attendance (see Attachment 1).

2011 ANS Student Conference

Because he was already present and needed to attend other meetings, the Executive Committee meeting started off with a presentation from Richard Meshall representing the ANS Student Chapter at Georgia Institute of Technology on status of the 2011 ANS Student Conference, to be held in Atlanta. The conference organizers were soliciting two judges from each professional division to participate in the conference, and were looking for ideas on workshops for the conference. A brochure was distributed describing the conference, and is provided as Attachment #2.

Mark DeHart - Secretary

Minutes from the June 2010 meeting were distributed. It was noted that G. Ilas was not present at the June meeting and that her name should be removed from the list of attendees. Scholarship information still needed to be supplied by J. Gehin. The process to provide final minutes to ANS and for posting on the RPD website was discussed. With no other comments or concerns, B. Bromley moved to accept the revised minutes, seconded by R. Ellis. The motion was unanimously approved.

Ali Haghghat – Treasurer

A. Haghghat distributed the RPD budget spreadsheet (see Attachment 3) and described assets and liabilities. A discussion ensued as to how to best utilize the large net balance in the RPD account. It was suggested that scholarships be considered, and that this should be taken as an action item for the next Executive Committee meeting.

The budget contains a footnote that reserves \$5000 for an scanning (archival) process for old ANS Journals. This item will be removed – ANS National is considering taking on this work itself.

B. Forget made a motion to accept the budget with this change; the motion was seconded by R. Ellis, and the budget was unanimously approved.

Robert St. Clair – 2011 Election Candidates

R. St. Clair was not present to provide an update on the RPD election slate. However, a list of potential candidates has been discussed by the nominating committee, which will be finalized in the next few weeks.

Ben Forget – RPD Website update

B. Forget reported that the RPD website has been updated but that it needs content – the various sub-committees should consider making appropriate materials available. Specifically, it was noted that scholarship information is needed from J. Gehin. D. Cokinos has sent a list of RPD Fellows to be posted on the website. A web address for the location of the RPD charter needs to be obtained from J. Bradfute; at present the link to the division charter is inactive. Finally, H. Shapira, the website manager, needs to be contacted to provide a bill for services so that this can be paid.

Jess Gehin - Scholarship Committee

J. Gehin reported that Josh Hykes from NCSU was the recipient of the Henry-Greebler Scholarship awarded in the spring. Applications will be coming in soon for the 2011 award. Currently this is an endowed \$3500 scholarship. Establishment of a second endowed scholarship is being considered; the cost for such an endowment would be on the order of \$100,000. However, the scholarship can be initiated before it is fully endowed.

Fausto Franceschini – Program Committee

Fausto Franceschini informed the members that at the current meeting a recent record of 55 papers were accepted from 60 presented at six sessions. The sessions are: Reactor Physics General I & II, Reactor Analysis Methods, and Reactor Physics Design, Validation, and Optimization Experience, and two special sessions entitled “Advances in Reactor Core Analysis Methods to Meet the Challenges of Next-Generation and Advanced NPP Design” (organized by Mark DeHart); and, “Advanced in Small- and Medium-Sized Reactor Designs” (organized by Youssef Shatilla). A panel session on “Current Issues in LWR Core Design and Reactor Engineering Support,” is organized by Moussa Mahgerefteh (Exelon). Fausto also mentioned that the new review process is working smoothly, only 2 papers were rejected. Attachment #6 provides the Minutes of the last Program Committee meeting, which were distributed at the meeting.

Reports on Upcoming Topical Meetings**MC2011**

Sandra Dulla reported on the status of the upcoming MC2011 meeting, to be held May 8-12, 2011 in Rio de Janeiro, Brazil. Full papers are currently being solicited – a full paper is defined as 5-15 pages, with 8-12 pages recommended. The submission deadline is Nov. 30, 2010. Visas will be necessary for US citizens to travel to Brazil, which may complicate travel arrangements. Dr. Dulla will provide a brief statement to this effect to put in the Fall RPD Newsletter. It was noted that DOE approval for travel, which may come at the last minute, could be problematic. Ali Haghghat said that he would talk to

Pete Lyons about getting DOE buy-in; he will need to follow up with a formal request if Lyons is receptive.

Physor 2012

Germina Ilas reported that the meeting received publications approval; Jess Gehin that Screening Committee approval was obtained without a hitch. Ron Ellis distributed a handout with preliminary TPC information and a list of potential sessions – this is attached as Attachment 7. A kickoff TPC meeting is planned for Monday from 4-5 in the Riviera's Royal Skybox Room 204 on Monday from 4-5 PM.

Physor 2014

Fausto Franceschini noted that the Physor 2014 will be an international meeting, and that it is time to start thinking about solicitation of proposals for hosting the meeting.

Dimitri Cokinos – Standards Committee

A brief report was provided on the status of Standard. ANS-19.3 (“Determination of Steady State Neutron Reaction Rate Distributions and Reactivity of Nuclear Reactors”), chaired by Ben Rouben, is moving forward, and is about ready to submit to the consensus committee, N-17. An update of ANS-19.4 (“A Guide for Acquisition and Documentation of Reference Power Reactor Physics Measurements for Nuclear Analysis Verification”) is being led by Charlie Rombough and is nearing completion. Dimitri also noted that many of the standards committees are struggling in need of volunteers.

Dimitri Conkinos – Honors & Awards

Earlier in the month an email from Rachel Slaybaugh on behalf of the National Honors and Awards Sub-committee within the Professional Development Committee (PDC) of ANS resulted in a flurry of email exchanges in an attempt to understand what the PDC was trying to accomplish. Ms. Slaybaugh came to the Executive Committee to clarify the position of the PDC with respect to Honors and Awards. She clarified that PDC sought only information on any awards are given out that they are not aware of in an attempt to get a handle on awards being given in all divisions. This was not an attempt to micromanage or limit awards made by divisions, but instead was an effort to prevent duplication or conflict between divisions and/or the PDC. PDC is making an attempt to “bin” awards into general categories and was looking for feedback from the profession divisions on a set of five candidate categories: Past Chair (PC); Best Paper/session (BP); Service/Leadership (SL); Excellence/Achievement (EA); and Student/Young person Recognition (SR). On behalf of RPD, Dimitri Conkinos concurred that this approach could be very valuable and these seemed to be representative categories. Conkinos also noted that he liked the idea of a young engineer's award for RPD, which the division does not currently support.

A more general discussion of the awards process within the division ensued. Jeff Bradfute pointed out spreadsheet is currently used to identify and track candidates for awards within the division (ANS Fellow, Wigner award). Ali Haghghat suggested

sending a membership list to all Executive Committee members so they can identify potential candidates for RPD awards. It was noted that a nomination for Fellow requires five letters with broad representation, preferably from other Fellows. Haghghat also pointed out we don't have a service award, while other divisions do have such an award.

Dimitri Conkinos closed the discussion in noting that RPD's Honors and Awards Committee currently has five members, and that the committee will look at setting up a Young engineer's and service awards. Dimitri suggests Young Reactor Physicists award name.

At this point the floor was yielded to Tom Row of Oak Ridge ANS local section to discuss an Alvin Weinberg Memorial being developed. Dr. Weinberg passed away in 2006, and Oak Ridge locals formed a committee to recognize him and his achievements. A pamphlet was distributed describing proposed memorials, including film biography, lecture and workshop series, tennis courts named in his honor in OR, bronze relief plaques. Tom is soliciting a contribution for the film biography. It was noted within the committee that Weinberg was really a founding father of RPD and the division ought to support this. Ali Haghghat made a motion for the division to contribute \$8000; this was seconded by Glenn Sjoden. Ivan Maldonado suggested amending the motion to a contribution of \$10K. The motion was amended and passed unanimously as amended.

Mark DeHart – Joint Benchmark Committee

Mark reported that a very productive JBC meeting was held earlier in the day, and that a number of new benchmarks have been brought to the table. In addition, a special session on Benchmarking and the JBC will be held during this meeting. Speakers will be Blair Briggs, Bernadette Kirk, Jim Guilliford, Barry Ganapol, and Mark DeHart.

Bob St. Clair – Goals & Strategic Committee

Bob was not present – Blair Bromley and Ben Forget reported on a Goals and Planning document that is being updated.

Regis Matzie – Board Representative

Regis provided an update on strategic plan and the consultant (ProOrbis) hired by ANS to develop a detailed plan of implementation for refocusing ANS priorities. It has been proposed that the 21st Century Society be reorganized into four hubs to better serve membership: the Center for Publications, Center for Professional Development, Global Institute for Nuclear Science and Technology (NS&T), and the Center for NS&T Information. Fundraising activities have been started, targeting utilities, vendors, and architect engineers. To date, three companies have been enlisted, with two of those companies pledging over \$1.5M over a five year period.

New Business

Documents that describe the activities and responsibilities of both Executive Committee and Program Committee membership is needed. Ivan and Fausto are working on draft descriptions for Executive and Program Committees respectively; these drafts will be distributed by email in the near future. The intent of these documents is to make

committee membership requirements clear for candidate members so that they can make a case in advance with their employer so that a commitment to support participation can be made.

This announcement led to a discussion of the difficulty that some members have in getting company support for travel, and the possibility of the division providing some travel support. It was agreed that this would set a bad precedent that should be avoided. A registration discount for committee members was suggested. It was also noted that travel for Sunday business meetings without participating in the two week-long meetings was also generally well-supported by most companies – the biggest expense of meeting participation is in non-productive hours charged to the employer.

Adjournment – Mark DeHart moved to adjourn the meeting; this motion was seconded by Ivan Maldonado and unanimously approved by those present. The meeting was ended at 6:10 pm.

Attachment #1
Signup Sheet

| RPD Attendance | |
|-----------------------|---|
| LAS VEGAS Nov 2010 | |
| <u>NAME</u> | <u>E-mail</u> |
| IVAN MALDONADO | IVAN.MALDONADO@utk.edu |
| RON ELLIS | ellisrj@ornl.gov |
| Robb Berland | rjberland@hotenergy.com |
| BEN ROUSEN | ROUSENB@ALUM.MIT.EDU |
| DUMITRU SERGIUTA | Dumitru.Sergiu@cs.cmu.edu |
| DIMITRI COKINOS | cokinos@bnl.gov |
| TUNC ALDEMIR | aldemir.la@osu.edu |
| <u>BLAIR BROMLEY</u> | <u>yelmorb7@artco.net; bromleyb@aech.ca</u> |
| BEN FORGET | BFORGET@MIT.EDU |
| Regis Matzie | matziera@westinghouse.com |
| MARK DELHART | mark.delhart@inl.gov |
| Ali Haghighat | haghighat@ufl.edu |
| JEFF BRADFUTE | bradfujl@westinghouse.com |
| Fausto Franceschini | francef@westinghouse.com |
| SANDRA DULLA | sandra.dulla@polito.it |
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| Akio Yamamoto | a-yamamoto@nucl.nagoya-u.ac.jp |
| DAVID GRIESHEIMER | david.griesheimer@unnpp.gov |
| Germina Ilaș | ilasg@ornl.gov |
| Jess Gehin | gehinj@ornl.gov |
| Glenn Sjoden | sjoden@gatech.edu |

Attachment #2
Report of 2011 ANS Student Conference (Richard Meshall, Georgia Tech)

AMERICAN NUCLEAR SOCIETY

2011 NATIONAL STUDENT CONFERENCE

***“Living in the Heartland
of the Nuclear
Renaissance”***



APRIL 14 – 17, 2011

GEORGIA INSTITUTE OF TECHNOLOGY

Atlanta, GA

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FOR MORE INFORMATION PLEASE CONTACT:

Tim Cahill
(850) 516-8449

Amy Varallo
(803) 640-2405

Conference Co-Chairs

ans2011@gtans.org

Visit the conference website at:

<http://gtans.org>

ABOUT THE STUDENT CONFERENCE

The annual American Nuclear Society Student Conference is the nation's premier venue for student professional development in nuclear science and technology. Students working in nuclear science and technology-related disciplines gather with industry professionals to share and exchange research and ideas that are critical to the growth of the industry. The conference is an ideal occasion for students to interact with professionals, hear world-class speakers, network with recruiters, and gain real-world perspectives.

The 2011 ANS Student Conference, hosted by the Georgia Institute of Technology, will take place April 14-17, 2011 at the Hyatt Regency in downtown Atlanta, less than one mile from the Georgia Tech campus.



INVITATION TO PARTICIPATE



ANS Student Conferences have enjoyed remarkable success in recent years and have been hosted by universities around the nation, including the University of Florida in 2009 and the University of Michigan in 2010. Student and professional participation in the conferences has surged in recent years as the nuclear industry continues to experience its renaissance. In fact, the 2010 Student Conference at the University of Michigan had a record-setting 665 attendees!

Did you know:

- **Over 70% of nuclear engineering students nationwide are located within a two-hour flight of Atlanta?**
- **The southeastern United States is home to over 50% of the country's projected new nuclear developments?**

The ever-increasing interest in student conferences, combined with the ideal location of Atlanta in the "heartland of the nuclear renaissance," provides your organization unparalleled access to the newest generation of the nuclear science and technology community.

A successful student conference depends on the continued support of the nuclear industry. The Georgia Institute of Technology cordially invites you to participate in the 2011 ANS Student Conference.

Opportunities for involvement include:

- Recruitment
- Sponsorship and advertisement
- Workshops and seminars
- Professional keynote presentations
- Judging
- Tours



2011 CONFERENCE HIGHLIGHTS

Accommodations

The 2011 ANS Student Conference will be held primarily at the Hyatt Regency in downtown Atlanta, Georgia. The Hyatt Regency, a historical Atlanta landmark, is the world's first atrium-style hotel and features the world's first all-glass elevators. Three towers, each with a unique style, house 1,260 of the most luxurious hotel rooms in all of Atlanta. In addition, the Hyatt features numerous amenities and conveniences, including a 24-hour coffee shop, a breakfast and lunch café, one of Atlanta's finest steakhouses, and the largest ballroom in the Atlanta area.

Travel

Traveling to Atlanta is easy thanks to the Hartsfield-Jackson Atlanta International Airport, the world's busiest airport, serving over 90 million passengers each year. Upon arrival in the Atlanta airport, conference attendees will be greeted by members of the ANS Student Conference Committee and will be given passes to ride the MARTA rail and bus system. These passes will be good for unlimited rides throughout the entire conference. Once ready to depart to the hotel, attendees need only walk to the MARTA train station, which is located right inside the airport. From there, attendees proceed to the Peachtree Center station, which offers covered skyway access directly to the Hyatt Regency. Hassles with inclement weather and city traffic are simply not a problem here!

Technical Sessions

The primary focus of the ANS Student Conference is student presentations. Students from around the world present cutting-edge research in a variety of different technical tracks. Additionally, workshops on various topics from public communication to utilization of nuclear codes are an important means for further professional development. Tours of Georgia Tech laboratories and facilities, the NRC Technical Training Center, and the Alvin W. Vogtle Electric Generating Plant will be offered as options to conference attendees.

Social Events

Students and professionals have a variety of opportunities for networking outside of the technical aspects of the conference. Thursday events include a "Visit Atlanta" afternoon, featuring visits to the Georgia Aquarium, the World of Coke Museum, the High Museum of Art, and Atlantic Station, as well as a "Nuclear in the Arts" reception. The closing awards banquet will be held in the Oceans Ballroom at the Georgia Aquarium, a truly unique and exciting locale.



PRELIMINARY SCHEDULE OF EVENTS

Thursday – April 14, 2011

| | |
|--------------------|------------------------------------|
| 8:00 AM – 6:00 PM | Registration & Check-In |
| 8:00 AM – 5:00 PM | Plant Vogtle Tour |
| 10:00 AM – 5:00 PM | “Visit Atlanta” Tours |
| 1:00 PM – 4:30 PM | Facility & Campus Tours |
| 6:00 PM – 8:30 PM | Opening Reception & Dinner Banquet |
| 9:00 PM – 11:30 PM | “Nuclear in the Arts” Reception |

Friday – April 15, 2011

| | |
|---------------------|-------------------------|
| 8:00 AM – 6:00 PM | Registration & Check-In |
| 8:00 AM – 9:00 AM | Breakfast |
| 9:00 AM – 12:00 PM | Poster Session |
| 9:00 AM – 10:30 AM | Morning Session I |
| 10:00 AM – 5:00 PM | Exhibit Fair |
| 10:30 AM – 11:00 AM | Break |
| 11:00 AM – 12:30 PM | Morning Session II |
| 12:30 PM – 1:30 PM | Lunch |
| 1:30 PM – 3:00 PM | Afternoon Session I |
| 2:00 PM – 5:00 PM | Facility & Campus Tours |
| 3:00 PM – 3:30 PM | Break |
| 3:30 PM -5:00 PM | Afternoon Session II |
| 6:00 PM – 8:30 PM | Dinner |

Saturday – April 16, 2011

| | |
|---------------------|--|
| 8:00 AM – 9:00 AM | Breakfast |
| 9:00 AM – 1:30 PM | Exhibit Fair |
| 9:00 AM – 10:30 AM | Morning Session I |
| 10:30 AM – 11:00 AM | Break |
| 11:00 AM – 12:30 PM | Morning Session II |
| 12:30 PM – 1:30 PM | Lunch |
| 1:30 PM – 2:30 PM | Transportation to campus |
| 2:30 PM – 4:00 PM | Public Forum |
| 6:00 PM – 7:00 PM | Transportation to Awards Banquet |
| 7:00 PM – 10:00 PM | Awards Banquet at the Georgia Aquarium |

Sunday – April 17, 2011

| | |
|--------------------|------------------------------------|
| 8:00 AM – 10:00 AM | Breakfast |
| 9:00 AM – 3:00 PM | NRC Technical Training Center Tour |

**Preliminary schedule. Events are subject to change.*



EXHIBITOR SCHEDULE AND INFORMATION

Friday, April 15

- 8:00 AM – 10:00 AM Booth setup
- 10:00 AM – 5:00 PM Exhibit Fair
- 10:00 AM – 5:00 PM Interview rooms available

Saturday, April 16

- 9:00 AM – 1:30 PM Exhibit Fair
- 9:00 AM – 1:30 PM Interview rooms available

Exhibitors and sponsors are encouraged to participate in conference events and technical sessions, including:

- Facility and campus tours on April 14
- Judging and chairing technical sessions on April 15 and 16
- Workshops on April 15 and 16
- Public forum on April 16

PRELIMINARY TOPIC TRACKS

- | | |
|---|--|
| <ul style="list-style-type: none"> • Accelerator Applications • Aerospace Nuclear Science & Technology • Biology and Medicine • Decommissioning, Decontamination, & Reutilization • Detection & Measurements • Education, Training, & Workforce Development • Environmental Sciences • Fuel Cycle & Waste Management • Fusion Energy & Plasmas • Human Factors, Instrumentation, & Controls | <ul style="list-style-type: none"> • Isotopes and Radiation • Materials Science & Technology • Mathematics & Computation • Nonproliferation & Nuclear Safeguards • Nuclear Criticality Safety • Nuclear Installations Safety • Operations & Power • Policy • Radiation Protection & Shielding • Reactor Physics • Robotics and Remote Systems • Thermal Hydraulics/Fluid |
|---|--|

2011 SPONSORSHIP OPPORTUNITIES

Fermium [\$25,000+]

- One dinner speaker
- Four free registrations
- Premium exhibit fair booth
- Priority interview space
- One full-page ad in conference program
- Banners/ads at all major events
- Advanced access to resume book
- Logo in conference program
- Linked logo on conference website
- Logo on one conference giveaway
- Logo on conference t-shirt

Einsteinium [\$15,000+]

- One lunch speaker
- Three free registrations
- Choice exhibit fair booth
- Priority interview space
- One full-page ad in conference program
- Limited ad space at major events
- Advanced access to resume book
- Logo in conference program
- Linked logo on conference website
- Logo on conference t-shirt

Curium [\$10,000+]

- Three free registrations
- Exhibit fair booth
- One full-page ad in conference program
- Advanced access to resume book
- Logo in conference program
- Linked logo on conference website
- Logo on conference t-shirt

Seaborgium [\$5,000+]

- Two free registrations
- Exhibit fair booth
- One half-page ad in conference program
- Logo in conference program
- Linked logo on conference website
- Logo on conference t-shirt

Meitnerium [\$2,500+]

- One free registration
- Exhibit fair booth
- One ¼-page ad in conference program
- Name in conference program
- Linked logo on conference website

Exhibit Booth Only [\$1,500]

Please ask about additional sponsorship opportunities including custom ad space and sponsored conference events/functions.

2010 CONFERENCE SUPPORTERS

\$25,000

AREVA NP
Entergy

General Electric – Hitachi
Westinghouse Electric Company

\$15,000

Tennessee Valley Authority

\$10,000

DTE Energy

Duke Energy

\$5,000

American Nuclear Society
Bechtel Power Corporation
Bechtel Marine Propulsion Corporation /
Bechtel Plant Machinery, Inc.
Black & Veatch
Idaho National Laboratory

Nuclear Energy University Programs
Nuclear Regulatory Commission
Oak Ridge National Laboratory
University of Michigan Department of
Engineering & Radiological Sciences
U.S. Navy Recruiting

\$2,000

American Electric Power
Argonne National Laboratory
Brookhaven National Laboratory
Dominion
Exelon
First Energy
General Atomics
Nuclear Energy Institute / NA-YGN

NuScale Power, Inc.
Pacific Northwest National Laboratory
Sandia National Laboratories
Studsvik Scandpower
University of Michigan College of
Engineering
Y-12 National Security Complex

Other Sponsors

Adams Atomic Engines, Inc.
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Reliability & Safety Consulting Engineers
TerraPower



<http://gtans.org>

For general conference
questions contact:
Amy Varallo
(803) 640-2405

2011 ANS Student Conference
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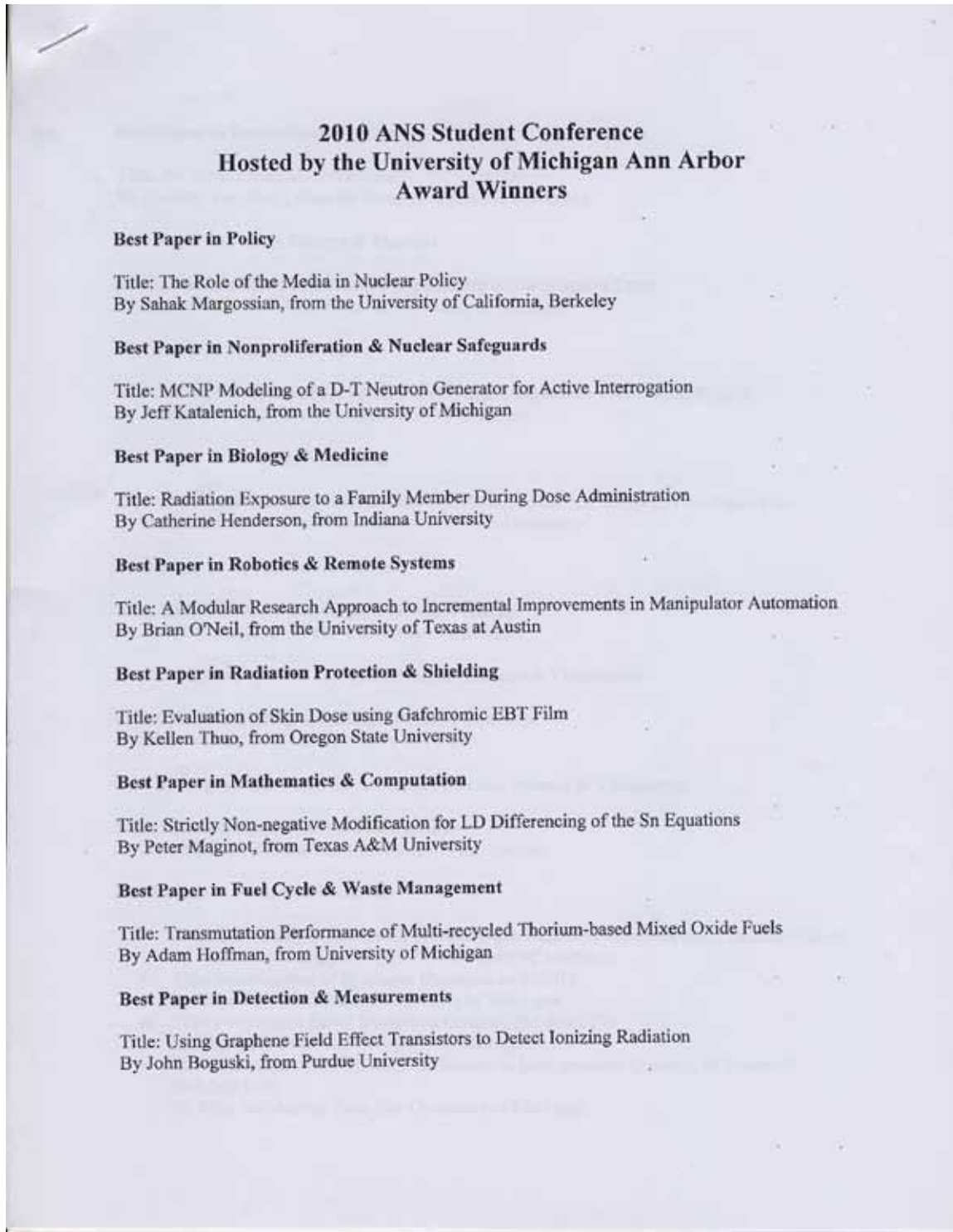
For sponsorship
questions contact:
Tim Cahill
(850) 516-8449



Attachment #3

Attachment #4

Report on 2010 Student Conference (University of Michigan)



Best Paper in Environmental Sciences

Title: An Environmental Connection
By Zachary Van Horn, from the Pennsylvania State University

Best Paper in Fusion Energy & Plasmas

Title: Laser Wakefield Acceleration Experiments on the Hercules Laser
By Christopher McGuffey, from the University of Michigan

Best Paper in Reactor Physics

Title: MCNP5 Analysis of the Fort St. Vrain High-Temperature Gas-Cooled Reactor
By Benjamin Betzler, from the University of Michigan

Best Paper in Thermal Hydraulics

Title: Investigation of Geometric Effects of a 90-degree vertical elbow in Two-Phase Flow
By Frank Nedwidek, from The Pennsylvania State University

Best Paper in Operations & Power

Title: BWR Stability Analysis with TRACE/PARCS
By Aaron Wysocki, from The University of Michigan

Best Graduate Paper in Aerospace Nuclear Science & Technology

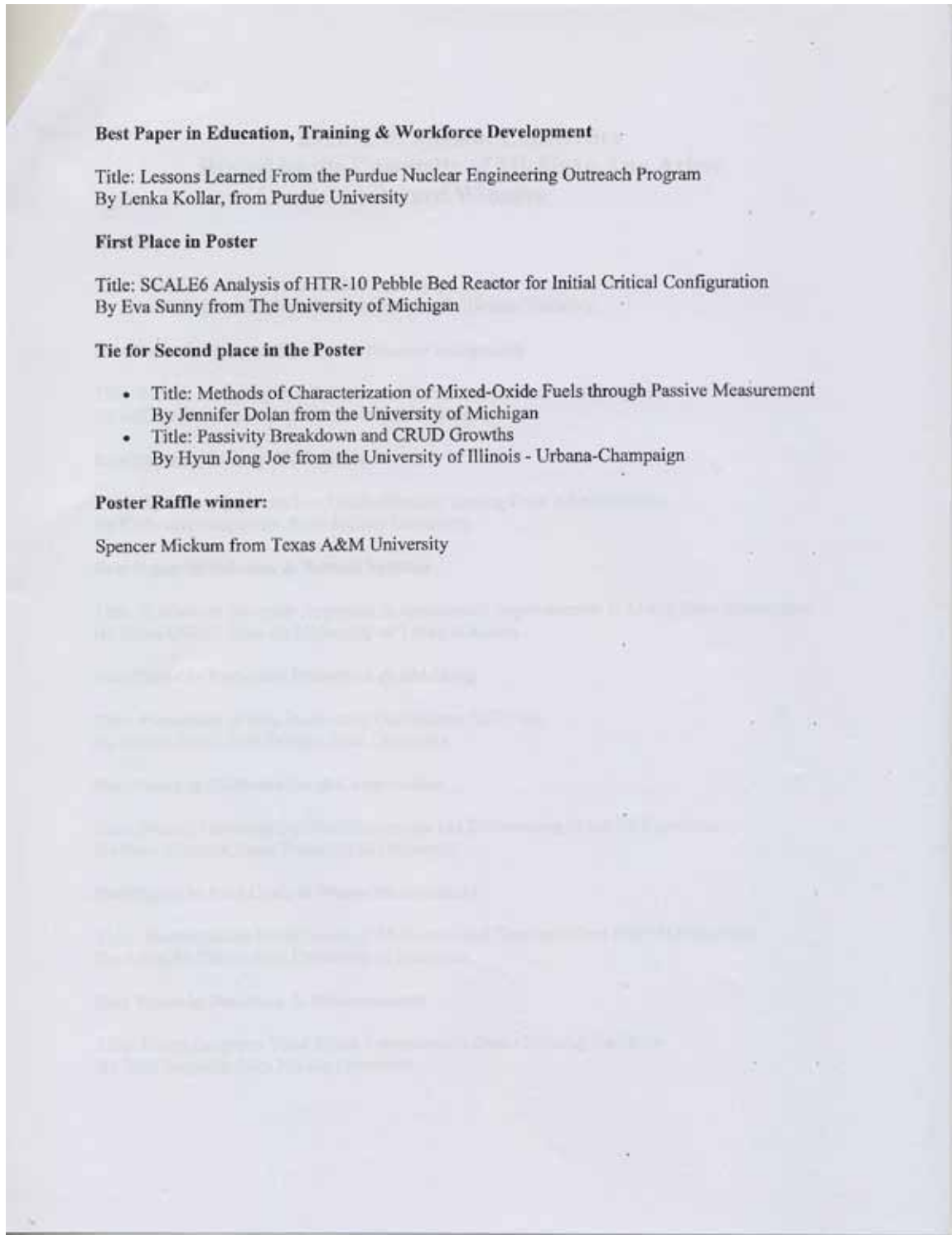
Title: Radiation Testing of Stirling Alternator-Convertor
By Omar Mireles from the University of Florida

Best Undergraduate Paper in Aerospace Nuclear Science & Technology

Title: Powering NASA into the 21st Century
By John McCulloch from The University of New Mexico

Best Papers in Fuels and Materials

- Title: TEM Study of Irradiation Induced GaSb Nanofiber formation and Phase Separation
By Alex Perez-Bergquist from The University of Michigan
- Title: Investigation of Hydrogen Dynamics in RbBH4
By Brian Kitchen from The University of Michigan
- Title: Accelerator Based Irradiation Creep of FM Steel T91
By Cheng Xu from The University of Michigan
- Title: Grain Boundary Character Influence on Inter-granular Cracking of Irradiated Stainless Steel
By Mike McMurtrey from The University of Michigan



Attachment #5

Announcement of 2011 Student Conference, Georgia Institute of Technology





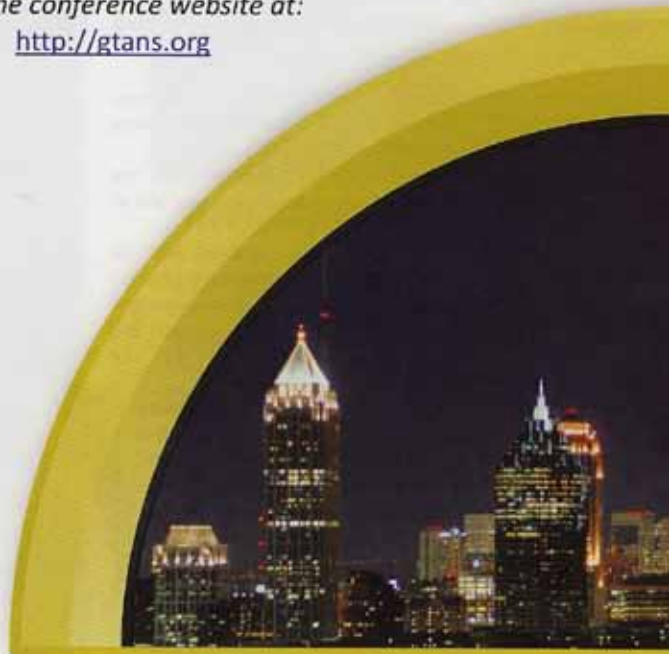
FOR MORE INFORMATION PLEASE CONTACT:

Tim Cahill
(850) 516-8449

Amy Varallo
(803) 640-2405

Conference Co-Chairs
ans2011@gtans.org

Visit the conference website at:
<http://gtans.org>



Attachment #6
Minutes of the RPD Program Committee

Minutes of the RPD Program Committee
2010 ANS Annual Meeting, June 13, 2010, San Diego, CA

The meeting was called to order by Fausto Franceschini (Chair) at 2:05 pm.

Minutes were approved unanimously.

Fausto Franceschini thanked the **outgoing** members:

- **Ugur Mertuyrek** (GNF now at ORNL),
- **Andrew H. Nicholson** Lead Nuclear Core Designer, Dominion,
- **David W. Nigg, D.Eng.** Manager, Reactor and Nuclear Physics INL
- **Pavel V. Tsvetkov**, Assistant Professor Texas A&M University
- **Akio Yamamoto**, Professor Dept .of Material, Physics and Energy Engineering Nagoya University

Fausto Franceschini introduced the **new** members:

- **Piero Ravetto**, Prof. at Politecnico di Torino, Dipartimento di Energetica. Graduated summa cum laude from Politecnico in 1974, Researcher and then Associate. Full Professor of Nuclear Reactor Physics from 2000. Dean of the Energy Engineering Program at Politecnico di Torino, since October 2003. Engaged in several activities and collaborations. Member of EC of M&C since 2000. His main scientific activities regard the Dynamics of nuclear reactors, Neutron transport theory, Physics of source-driven systems
- **Eugene Shwageraus** B.Sc. (1997) and M.Sc. (2000) from Ben-Gurion University and Ph.D. (2003) from MIT. Since 2003, he is a Senior Lecturer at the Department of Nuclear Engineering, Ben-Gurion University of the Negev, Israel. Currently, Visiting Associate Professor at the Department of Nuclear Science and Engineering at MIT.
- **Dr. Albert C. Kahler (Skip)** 1973, BA (Physics) from Gettysburg College; 1978, PhD (Physics) from the University of Tennessee; 1978-81 Post-Doc at the Texas A&M Cyclotron Institute; 1982-2005, staff member at Bettis Atomic Power Laboratory; 2005-present, staff member at Los Alamos National Laboratory. Cross Section Evaluation Working Group (CSEWG) member since 1989. Current Chair of the Data Validation committee, International Criticality Safety Benchmark Evaluation Project (ICSBEP) member since 2001. He has responsibility for the NJOY nuclear data processing code system.
- **Cristian Rabiti** : Graduated from University of Bologna 2002, PhD from University of Stuttgart (2006). As a PhD student in Karlsruhe he developed mathematical models for modeling fast neutron flux transients in KIN3D/VARIANT. He then moved to ANL (2005-2008) where he worked on a three-dimension neutron transport code based on the method of

characteristic on unstructured meshes. He then moved to INL where he currently is in charge of reactor physics tools software development.

- **Scott Palmtag:** Scott Palmtag (GNF), in the process of getting managerial support.

2010 Annual Meeting

Fausto mentioned that we have 38 papers in 5 sessions plus one panel.

Panel: Current Issues in LWR Core Design and Reactor Engineering Support (organizers: Moussa Mahgerefteh and Robert St. Clair).

Standing sessions (Reactor Physics General – 10 papers in 2 sessions, Reactor Analysis Methods – 8 papers and Reactor Physics Design, Validation and Operating Experience – 7 papers).

Special sessions, “Advances in Reactor Core Analysis Methods to Meet the Challenges of Next-Generation and Advanced NPP Designs” (organizers Mark DeHart and Ivan Maldonado - 4 papers) and “Advances in Small- and Medium-Sized Reactor Designs” (organizers: Youssef Shatilla and Pavel Hejzlar- 9 papers).

Finally, Fausto asked for volunteers to serve as judges for selection of the best paper among five recommended papers. Blair Bromley, Mark DeHart, Ali Haghghat and Piero Ravetto volunteered.

2011 Winter Meeting

RPD is organizing 3 standing sessions, plus 5 special sessions and 1 panel. RPD is also co-sponsoring 2 special sessions, one with OPD and one with AAD.

Standing sessions:

1. 15a. Reactor Physics: General
2. 15b. Reactor Analysis Methods
3. 15c. Reactor Physics Design, Validation, and Operating Experience

Special sessions and panel (P):

- 15d. The Philosophy of Benchmark Development Within the ANS Joint Benchmark Committee (P)
- 15e. Progress in Reactor Physics Standards
- 15f. Progress in Reactor Physics Analysis for Thorium-Fueled Reactors
- 15g. Burnable Poison Optimization, Design, and Analysis
- 15h. Methods, Validation, and Analysis for Sustainable Nuclear Energy Systems
- 15i. Numerical Error Estimation in Nuclear Engineering Modeling

Special sessions, co-sponsor

- 13j Securing and Archiving Fast Reactor Data (OPD, RPD co-sponsor)
- 1d. Accelerator-Driven Transmutation Systems (AAD, RPD co-sponsor)

Chairs; four individuals volunteered: B. Bromley, R. Ellis, C. Rabbiti and M. Mahgerefteh. .

2011 Annual Meeting

Members were encouraged to organize special sessions for this meeting which will be held in Hollywood, Florida.

2011 M&C Meeting

This meeting will be held on May 8-12, 2011, at Rio De Janeiro, Brazil. Kevin Clarno (ORNL), Technical Program Co-Chair of the meeting, gave a presentation discussing various aspects of the meeting. The website (<http://www.mc2011.org/>) of the meeting is operational, and includes the relevant information. The organizers encourage the membership to submit proposals for organizing workshops. The deadline for paper submission is set to October 31st 2010. Full papers are required.

Bid for PHYSOR 2012

Fausto Franceschini reviewed the guidelines for the review process of the bids. He identified the eligible voting members, and distributed the ballots. Three excellent proposals were presented by following local Sections: i) Idaho Falls (INL); ii) Oak Ridge (ORN/UT); and iii) Santa Fe (LANL). Following these presentations and corresponding Q&A, completed ballots were collected by Fausto and scrutinized together with Blair Bromley and a representative by each proposal.

He informed the membership that he will announce the winner at the executive Meeting following the scrutiny. (Note: the winner turned out to be ORNL/UT.

The meeting was adjourned at 4:30 pm.

(Attachments: Attendees_SanDiegoA2010, Voters_Physor2010bid, Scrutiny_Physor2010bid)

Attachment #7
Minutes of the RPD Program Committee

Preliminary Technical Program Committee for PHYSOR 2012

Technical Program Chair Ron Ellis, ORNL

Technical Program Co-Chairs: Rakesh Chawla, PSI
Bojan Petrovic, GT
TA Keys, TVA
James Lemons, TVA

The Technical Program is based on co-ordinated technical themes, over and above standard technical sessions. The TP Committee is targeting several selected contemporary "focus areas" that will be represented by "technical sessions" and corresponding "workshops and tours". These will be designed to synergize and enhance the experience of the topical meeting participants. Proposed technical themes include the following and these will have relevant workshops and associated tours planned:

1. modeling and simulation,
2. research reactors and neutron science,
3. advanced fuel cycle and isotope production, and
4. next generation applications of reactor physics.

The Technical Program will be organized in tracks, with relevant sessions. The TPC will be arranged with track leaders, and members will be assigned to tracks. TPC meetings will be held to choose track leaders and solicit session topics, organizers and /chairs..

Preliminary Tracks

1. Nuclear Data
2. Deterministic Transport Theory
3. Monte Carlo Methods & Developments
4. Reactor Core Analysis Methods
5. Advanced Fuel & Reactor Design
6. Nuclear Criticality Safety
7. NPP Transients & Safety Analysis
8. Nuclear Fuel Cycle & Actinide Management
9. Reactor Design & Safety
10. Research Reactors and Spallation Sources
11. Integral Experiments & Analysis & Facilities for Safety Research
12. Verification & Validation
13. Sensitivity & Uncertainty Analysis
14. Fuel & Material Behavior
15. Radiation Applications & Nuclear Safeguards
16. Irradiation Experiments, Applications & Analysis
17. Nuclear Power & Sustainable Development

Certain Special Sessions:

- Validation, Uncertainty, and Sensitivity Methods
- LWR modeling with Monte Carlo methods
- DOE Modeling Simulation Hub Research Progress
- Small Modular Reactor Designs and Concepts
- Physics of Advanced Fuel Cycles and Reactors
- Research reactors: fuel designs and experiments
- Medical radioisotope production: designs and experience

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