

Reactor Physics Division Executive Committee Meeting
Sunday, November 9, 2014, 4:00 - 6:00 PM
Amazon Room, Disneyland Hotel/Convention Center
Anaheim, CA
MINUTES

1. Call to Order – **Ron Ellis**
Meeting called to order. Officers were introduced.
2. Distribution of Attendance List – **Fausto Franceschini/Pavel Tsvetkov**
3. Executive Committee Membership – **Ron Ellis** *5 min*
 - a. Acknowledgement of members completing terms
 - b. Recognition of newly elected members and new officer positions

Done.
4. Secretary's Report – **Fausto Franceschini (for Arzu Alpan)** *5 min*
 - a. Approval of minutes, June 2014 meeting (Reno, NV)

Minutes approved unanimously.
 - b. RPD Newsletter (Fall 2014 Issue)

Newsletter has been distributed online. Note should be made to various announcements.
5. Treasurer's Report – **Fausto Franceschini** *5 min*
 - a. Budget Status (payments, income, pending items, etc.)

Budget has been distributed.
\$30k for new scholarship.
\$5k for student support.

Approval of 2015 budget – approved.

ANS suggests to support and budget for attendees invitations up to 5 people per meeting.
 - b. Planning for undergraduate scholarship

Scholarship is being created.
6. Overview of RPD presentation to ANS Board of Directors (Nov 12) – **Ron Ellis** *5 min*

RPD presentation will be given on Wednesday. Slides will be posted online. The presentation is the RPD status report accounting for various meetings.

All graduate students will be considered YMG members and will be counted into ANS activities.

ANS efforts on EPA ruling regarding various types of clean nuclear energy sources. The EPA ruling does not give enough attention to Nuclear Energy.

ANS setup archives for all divisions. The archive has been setup for RPD similar to a cloud system.

7. RPD Website and Facebook page Update – **Pavel Tsvetkov/Ron Ellis** *10 min*
Website is being updated.
There are 500 members in the Facebook group.
8. Presentation: ANS 2015 Student Conf (TAMU) – **Timothy Crook/Sarah Camba** *10 min*
Pavel Tsvetkov provided the status at Texas A&M. The student group presenting at various division meetings over-planned and did not make to it to the RPD meeting.
9. Scholarship Committee – **Ron Ellis (for Ben Forget)** *10 min*
New undergrad scholarship, Rudi Stamm'ler is established.
10. Program Committee Updates – **Cristian Rabiti (for Alex Stanculescu)** *20 min*
 - a. 2014 Annual Meeting Status Report (Reno, NV)

Newsletter captures details. The issue of paper awards is being solved for Reno. For future meetings, special session request reminders will be sent out.
 - b. 2014 Winter Meeting (Anaheim, CA)

RPD should make more efforts to promote special sessions.
 - c. 2015 Annual Meeting (San Antonio)

Special sessions for 2015 meeting are being solicited.
 - d. Discussions on PHYSOR2018 Options (possible Executive Committee vote)

Christian Rabiti summarized the discussion at the program committee meeting. At some point in the future, the vote will be taken on whether PHYSOR2018 should be taking place in Charlotte. This is the financial issue of recovering \$150k due to ICAPP2014. The hotel projection was overestimated because ICAPP was a standalone meeting for the first time.
11. Topical Meetings (Updates, Requests for Sponsorship) *10 min*
 - a. PHYSOR 2014 Recap Report – **Akio Yamamoto**

Report has been distributed.
 - b. Update on PHYSOR2016 Report – TBD

Differed; conference website contains more info.
 - c. Advances in Nuclear Fuel Management - V (ANFM2015) – **Jeff Bradfute**

Handout distributed. Conference will be in Hilton Head.

- d. Discussion of MC, M&C, SNA – 2015 (Nashville) – **Bob Grove or Kevin Clarno**
- Update given by Kevin Clarno. Meeting is setup. Current count is 20 papers. The deadline is postponed. 14 special sessions. Handout has been distributed.
12. Standards Committee Update – **Dimitrios Cokinos** *5 min*
 Several positive developments – nuclear data for reactor design, 19.1 Standard. It is a fundamental standard.
 All standards are active.
 Standard 19.4 is the data acquisition standard. It is a benchmark type standard.
13. Honors and Awards Committee Update – **Dimitrios Cokinos** *10 min*
- a. Wigner Award
- Wigner award – Elmer Lewis
 Wigner lecture will be given on Tuesday afternoon.
- b. ANS Fellows
- Young member award is still being decided.
14. Joint Benchmark Committee Report – **Hany Abdel-Khalik** *5 min*
 Differed.
15. Goals and Strategic Planning Committee – **Pavel Tsvetkov** *5 min*
 Committee met and discussed goals and plans for the next 5 years, metrics, and strategic metrics to finalize based on Mark's presentation.
16. Professional Divisions *5 min*
- a. PDC Update – **Ron Ellis**
- Archives are being setup for divisions.
17. Liaison report – **Samuel Brinton (MIT), Board Liaison (tentative)**
 Differed.
18. 2015 EC nominations – **Fausto Franceschini (for Mark DeHart)** *5 min*
 List is provided.
19. New Business *5 min*
- a. Meeting with the ANS President – **Ron Ellis**
- Update is provided.
- b. RPD table at Sunday President's Reception – **Ron Ellis**
- Noted.
- c. Division Metrics – **Ron Ellis**
- d. Other new business

20. Adjournment

ATTACHMENTS:

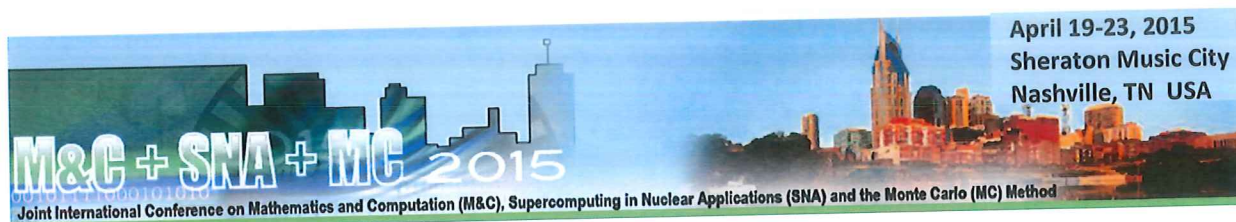
1. Reactor Physics Division Executive Committee Meeting Agenda, Sunday, November 9, 2014, 4:00 – 6:00 pm
2. List of attendees
3. M&C + SNA + MC 2015 Call for Papers
4. Advances in Nuclear Fuel Management V (ANFM V)
 - a. Call for Papers
 - b. Topical Meeting Information Questionnaire
 - c. Class I Topical Meeting Financial Plan
 - d. Schedule
 - e. Topical Meeting Publication Plan
5. Summary of PHYSOR2014
6. Reactor Physics Division Program Committee Meeting Minutes, Sunday, November 9, 2014, 2:00 – 4:00 pm

1-2pm

Reactor Physics Division Executive Committee Meeting
Sunday, November 9, 2014, 4:00 - 6:00 PM
Amazon Room, Disneyland Hotel/Convention Center
Anaheim, CA
AGENDA

1. Call to Order – **Ron Ellis**
2. Distribution of Attendance List – **Fausto Franceschini**
3. Executive Committee Membership – **Ron Ellis** 5 min
 - a. Acknowledgement of members completing terms
 - b. Recognition of newly elected members and new officer positions
4. Secretary's Report – **Fausto Franceschini (for Arzu Alpan)** 5 min
 - a. Approval of minutes, November 2013 meeting (Washington)
 - b. RPD Newsletter (Spring edition)
5. Treasurer's Report – **Fausto Franceschini** 5 min
 - a. Budget Status (payments, income, pending items, etc.)
 - c. Planning for undergraduate scholarship
6. Overview of RPD presentation to ANS Board of Directors (Nov 12) – **Ron Ellis** 5 min
7. RPD Website and Facebook page Update – **Pavel Tsvetkov/Ron Ellis** 10 min
8. Presentation: ANS 2015 Student Conf (TAMU) – **Timothy Crook/Sarah Camba** 10 min
9. Scholarship Committee – **Ron Ellis (for Ben Forget)** 10 min
10. Program Committee Updates – **Cristian Rabiti (for Alex Stanculescu)** 20 min
 - a. 2014 Annual Meeting Status Report (Reno, NV)
 - b. 2014 Winter Meeting (Anaheim, CA)
 - c. 2015 Annual Meeting (San Antonio)
 - d. Discussions on PHYSOR2018 Options (possible Executive Committee vote)
11. Topical Meetings (Updates, Requests for Sponsorship) 10 min
 - a. PHYSOR 2014 Recap Report – **Akio Yamamoto**
 - b. Update on PHYSOR2016 Report – **TBD**
 - c. Advances in Nuclear Fuel Management - V (ANFM2015) – **Jeff Bradfute**
 - d. Discussion of MC, M&C, SNA – 2015 (Nashville) – **Bob Grove or Kevin Clarno**
12. Standards Committee Update – **Dimitrios Cokinos** 5 min
13. Honors and Awards Committee Update – **Dimitrios Cokinos** 10 min
 - a. Wigner Award
 - b. ANS Fellows
14. Joint Benchmark Committee Report – **Hany Abdel-Khalik** 5 min
15. Goals and Strategic Planning Committee – **Pavel Tsvetkov** 5 min
16. Professional Divisions 5 min
 - a. PDC Update – **Ron Ellis**
17. Liaison report – **Samuel Brinton (MIT), Board Liaison (tentative)**
18. 2015 EC nominations – **Fausto Franceschini (for Mark DeHart)** 5 min
19. New Business 5 min
 - a. Meeting with the ANS President – **Ron Ellis**
 - b. RPD table at Sunday President's Reception – **Ron Ellis**
 - c. Division Metrics – **Ron Ellis**
 - d. Other new business
20. Adjournment

Name	Email
Hany Abdel-Khalik	abdellkhalik@purdue.edu
Pavel Tsvetkov	tsvetkov@temu.edu
Cristian Rabiti	cristian.rabiti@inl.gov
Fausto Franceschini	francef@westinghouse.com
JEFF BRADFUTE	bradfuji@westinghouse.com
ANNA FRICKSON	ERICKSON@GATECH.EDU
Akio Yamamoto	a-yamamoto@ucl.nagoya-u.ac.jp
PIERO RAVETTO	piero.ravetto@polito.it
SANDRA DULLA	sandra.dulla@polito.it
Jaakko Leppänen	Jaakko.Leppanen@ORNL
Andy Worral	worralla@ornl.gov
ALBERTO TALAMO	alberto@ornl.gov
David Orr	david.orr@duke-energy.com
Dimitri Cokinos	cokinos@bnl.gov
MASSIMILIANO FRATONI	maxfratoni@berkeley.edu
FLORENT HEIDET	fheidet@ornl.gov
Moussa Mahgerefteh	moussa.mahgerefteh@exeloncorp.com
RONALD J. ELLIS	rellisrj@ornl.gov



Final Meeting Announcement

Paper Submission Deadline: December 31, 2014

General Session Tracks

Accelerators and Subcritical Systems
 Computational Geometries
 Depletion/Transmutation Methods
 Deterministic Transport Methods
 Education in Scientific Computing
 Fuel Cycle Analysis
 High-Performance Computing and Algorithms
 for Advanced Architectures
 Hybrid Monte Carlo/Deterministic Transport
 Materials Science
 Computational Medical Physics
 Monte Carlo Transport Methods
 Multi-physics and Transient Analyses
 Nuclear Criticality Safety
 Nuclear Data Plasma Physics and Fusion
 Neutronics
 Radiation Detection
 Radiation Transport and Shielding Methods
 Radioisotope Production and Radiochemistry
 Reactor Physics Sensitivity and Uncertainty
 Analysis Validation, Verification, and UQ

Special Sessions

Advanced Angular Discretizations for the
 Transport Equation
 Advanced Solvers in Nuclear Technology
 Modeling and Simulation Application of High-
 Performance Computing using CASL .
 Test Stands
 Computational Thermal Hydraulics and Fluid
 Dynamics
 Monte Carlo Criticality Calculations with
 Thermal-Hydraulic Feedback
 Improved Multigroup Cross Section Generation
 Mathematical Methods in Nuclear
 Nonproliferation and Safeguards
 Applications
 Novel Methods of Theoretical Transport Theory
 Monte Carlo with CAD and Complex Geometries
 Response Methods for Particle Transport
 Modeling and Simulation
 Next Generation Parallelism for Monte Carlo
 Next Generation Sn Mesh Sweeps
 Recent Mathematics and Computation
 Developments from OECD NEA Expert
 Group Activities
 Transport in Stochastic Media
 Whole-Core Modeling and Simulation

Workshops

- Multi-stage, response function radiation transport methods for solving complex problems in real-time
- Mathematical techniques of neutron fluctuations with applications for reactivity measurements and in nuclear safeguards
- Geant4 version 10
- ADVANTG Tutorial: Automated Variance Reduction for MCNP
- Computational and Mathematical Challenges in Particle Therapy
- NESTLE

More information at the meeting website: www.mc2015.org



ANFM V

Hilton Head Island, SC



March 29 - April 1, 2015

Advances in Nuclear Fuel Management V

Addressing a broad spectrum of front-end nuclear fuel management activities, within the context of reactor physics and fuel cycle economics.

Projected Technical Sessions

Thorium fuel concepts

Accident tolerant fuel

Generation-IV Design Concepts

High enrichment >5wt% UO₂ studies

Reactor-Based Plutonium Disposition

Extended Fuel Cycles and Economic Analysis

Fuel and Core Design Based On Thorium Cycles

Innovative Core Loading Strategies and Methods

Fuel and core design for small modular reactors

Experiences and Advances In On-Line Core Monitoring

Utilities Experience In Reload Design and Licensing

Research Reactor Topics – fuel management practices

Error quantification of core simulation capabilities

Advanced Fuel Assembly and Burnable Absorber Designs

Actinide, fission product, and spent fuel management

Validation of Core Analysis Tools for Fuel Management

Nuclear data needs to enhance core simulation fidelity

Addressing Practical Design Constraints On Fuel Management

Advanced fuel management and multi-dimensional burnup analysis

Management, Design, and Operation Issues of Advanced Reactor Fuels

Monte Carlo based Depletion and Full Core Analysis: New Developments and Issues

Utilization of zero power physics tests and core follow data to enhance core simulation fidelity

And many more (See conference Web site anfm2015.org)

Important Dates

Call for Papers:

July 14, 2014

Summaries Due:

Dec. 12, 2014

Final Papers Due:

Feb. 10, 2015

Web site anfm2015.org

Projected Panel Discussions

Ongoing Fuel Performance and Fuel Cycle Issues

Adequacy of Methods for Nuclear Fuel Management

World Perspective On Nuclear Fuel Management Needs

Small Modular Reactors: Challenges and Proposed Solutions to Successful Deployment

Additional details at the conference Web Site: <http://anfm2015.org/>

7. General description of meeting: The meeting will cover all areas of nuclear fuel management, within the context of reactor physics and fuel cycle economics. Topics range from methods development and verification to design and implementation of new in-core fuel products and strategies.

7(a) Attach separate sheet detailing topics of proposed sessions.
(Note special rules that apply to section-sponsored meeting.)

8. Approximate number of papers to be presented: 175

There will be: _____ half days with one (1) session
_____ half days with two (2) simultaneous sessions
5 half days with 3 simultaneous sessions
and _____ half days with _____ simultaneous sessions

(The NPC discourages meetings with more than three simultaneous sessions per each half day meeting.)

ATTENDANCE

9. Estimated attendance at meeting: 200

10. Restrictions, if any, on attendance: None

(It is a Society policy to discourage restrictions that will limit attendance by ANS members.)

PAPER SOLICITATION

11. Will contributed papers be considered? (Please choose one) Both

12. If invited, who selects the authors to be invited? General chair, Technical Program Committee chair, Session chair

13. Will a Call for Papers be issued? (Please choose one) Yes

14. If a Call for Papers will be issued, please indicated how, when and where: Nuclear News; e-mail broadcasts, web site

15. Who may contribute papers? (Please choose one) Anyone

16. What is the deadline for summaries? 12/12/2014

17. What is the deadline for complete papers? 2/10/2015

18. Who is responsible for review and selection of contributed papers? Technical Program

Scientific Publications.

2. The "Topical Meetings Information Questionnaire" was constructed to assist both the organizing group and the NPC in collecting the necessary information for both the preliminary and final review and approval. It is a general questionnaire devised to assist in a wide range of potential proposals and must be supplemented by the information outlines on page 26.
3. Your meeting will be added to a preliminary list of ANS meetings after Calendar Placement has been received. Therefore, it is the responsibility of the General Chair or his/her designated appointee to inform the NPC Chair and the ANS Director of Meetings of any/all changes relating to the meeting (i.e., meeting, names/dates/chairs/ sponsors, etc).

AMERICAN NUCLEAR SOCIETY CLASS I TOPICAL MEETING FINANCIAL PLAN

TITLE OF MEETING ANFM2015
 DATE OF MEETING 3/29/2015 to 4/1/2015
 LOCATION OF MEETING Omni Hilton Head Oceanfront Resort
 MEETING HOST (SECTION or ANS HQ) Columbia, SC, Raleigh, Wilmington

	MEETING REVENUES			FINAL			BASIS
	ESTIMATED #	ESTIMATED FEE	ESTIMATED AMOUNT	FINAL #	FINAL FEE	FINAL AMOUNT	
REGISTRATIONS							
1 MEMBERS, early regist.	100	\$700	\$70,000	0			\$0
2 MEMBERS, late regist.	10	\$800	\$8,000	0			\$0
3 NONMEMBERS, early reg.	50	\$850	\$42,500	0			\$0
4 NONMEMBERS, late reg.	0	\$950	\$0	0			\$0
5 ONE-DAY MEMBER, early reg.	0	\$420	\$0	0			\$0
6 ONE-DAY MEMBER, late reg	0	\$480	\$0	0			\$0
7 ONE-DAY NONMEMBER, early reg	5	\$510	\$2,550	0			\$0
8 ONE-DAY NONMEMBER, late reg	0	\$570	\$0	0			\$0
9 SPOUSE/GUEST	5	\$100	\$500	0			\$0
10 STUDENT	10	\$75	\$750	0			\$0
11 EMERITUS MEMBER	0	\$400	\$0	0			\$0
SUB TOTAL	180		\$124,300	0			\$0
SPECIAL EVENTS							
12 DINNER	10	\$75	\$750	0	\$750		\$0
13 RECEPTION	10	\$50	\$500	0	\$500		\$0
14 BANQUET	10	\$75	\$750	0	\$750		\$0
15 SPOUSE/GUEST TOURS	50	\$50	\$2,500	0	\$2,500		\$0
16 TECHNICAL TOURS	0	\$0	\$0	0	\$0		\$0
17 OTHER EVENTS	0	\$0	\$0	0	\$0		\$0
SUB TOTAL			\$4,500				\$0
OTHER REVENUE							
18 EXHIBITS	5	\$1,000	\$5,000	0	0		\$0
19 CONTRIBUTIONS	5	\$5,000	\$25,000	0	0		\$0
20 PROCEEDINGS SALES	2	\$20	\$40	0	0		\$0
21 WORKSHOPS	0	\$0	\$0	0	0		\$0
SUB TOTAL			\$30,040				\$0
TOTAL REVENUE			\$158,840				\$0

REGISTRATION FEES INCLUDE: (List Items for each category)

Full Registration	all but spouse/guest tour
One-Day Registration	same as full but for 1 day
Spouse/Guest Registration	all but spouse/guest tour
Student Registration	all but spouse/guest tour
Emeritus Registration	same as full

COMPLIMENTARY REGISTRATIONS PROVIDED: (List all that will be provided)

complimentary registration provided to each sponsor/exhibitor over \$5000

COMPLIMENTARY HOTEL ROOMS: (Define your policy for the use and distribution)

rooms to be used by organizing commit

		MORNING				EVENING			
	CODE	Time	Max Papers	CODE Time	Max Papers	CODE Time	Max Papers	CODE Time	Max Papers
MONDAY M	Plenary	8-9.40							
			5 *	MM1 10-12.05	5 *	ME1 4-5.40	3 *	MZ1 5.45-6.55	
			5 *	MM2 10-12.05	7 *	ME2 4-6.55			
			5 *	MM3 10-12.05	8 *	ME3 4-6.55			
TUESDAY T			5 *	MM4 10-12.05	7 *	ME4 4-6.55			
	TA1	8-9.40	4 *	TM1 10-12.05	5 *	TE1 4-5.40	3 *	TZ1 5.45-6.55	
	TA2	8-9.40	4 *	TM2 10-12.05	5 *	TE2 4-6.55			
	TA3	8-9.40	4 *	TM3 10-12.05	5 *	TE3 4-6.55	8 *		
WEDNESDAY W	TA4	8-9.40	4 *	TM4 10-12.05	5 *	TE4 4-6.55	7 *		
	WA1	8-9.40	4 *	WM1 10-12.05	5 *				
	WA2	8-9.15	3 *	WM2 9.45-12.05	6 *				
	WA3	8-9.15	3 *	WM3 9.45-12.05	6 *				
	WA4	8-9.40	4 *	WM4 10-12.05	5 *	1-5.00 WORKSHOP			

need to be short sessions (because panels precede that)
 need to be different times to accommodate different number of papers. (Note: ensure coffee break is between 9.15 and 10.00am on Wednesday)
 8 papers -- presentations need to be 20-22 mins

AMERICAN NUCLEAR SOCIETY

TOPICAL MEETING PUBLICATION PLAN

Preliminary Plan Final Plan Embedded Topical

Meeting Name: Advances in Nuclear Fuel Management V

Meeting Location: Omni Hilton Head Oceanfront Resort

Meeting Date: 3/29/15-4/1/15

Sponsoring Division(s): RPD, FCWM

Sponsoring Section(s): Eastern Carolinas, Columbia

GENERAL CHAIR

Name: Bill Herwig

Address: Box 88, MC 563, Jenkinsville, SC 29065

Phone: 803 345-4414

Fax: _____

E-mail: wherwig@scana.com

PUBLICATIONS CHAIR

Name: Elise M. Malek

Address: 5801 Bluff Road

Hopkins, SC 29061

Phone: 803 647-2046

Fax: 803 647-2027

E-mail: malekem@westinghouse.com

PUBLICATIONS PLANNED	<input type="checkbox"/> Abstracts <input type="checkbox"/> Transactions (summaries only) <input type="checkbox"/> Proceedings (full papers) <input checked="" type="checkbox"/> CD-Rom (full papers) <input type="checkbox"/> Other: _____ Note: If 2 or more Publications are planned, fill out 1 form for each		FORMAT PLANNED	SIZE	<input type="checkbox"/> 8-1/2 in. x 11 in. <input type="checkbox"/> 6 in. x 9 in. <input checked="" type="checkbox"/> CD-Rom																														
	WHO PREPARES COVER, FRONT MATTER, ETC.	PAPERS		<input type="checkbox"/> Camera-ready (from author) <input type="checkbox"/> ANS edit and compose (author pays page charge) <input checked="" type="checkbox"/> Other: <u>WORD/PDF Document to TICS for preparation</u>	BINDING	<input type="checkbox"/> Stapled <input type="checkbox"/> Perfect <input checked="" type="checkbox"/> CD-Rom																													
WHO PRINTS		<input checked="" type="checkbox"/> Meeting (Publications Chair) <input type="checkbox"/> ANS (page charge to Meeting) <input type="checkbox"/> Other: _____	<input checked="" type="checkbox"/> Meeting Committee (eg. sponsor) <input type="checkbox"/> ANS-HQ <input type="checkbox"/> Commercial Publ. (name) _____ <input type="checkbox"/> Other: _____	RESPONSIBILITY FOR COPYRIGHT	TYPE	<input type="checkbox"/> Hard Cover <input type="checkbox"/> Soft Cover <input type="checkbox"/> Journal Publication <input type="checkbox"/> Journal Name: _____ <input checked="" type="checkbox"/> CD-Rom																													
	PLANS FOR ANS LOGO				<input type="checkbox"/> Gov't sponsored, no copyright <input checked="" type="checkbox"/> ANS Publication (by ANS-HQ or by Meeting Publications Committee); ANS-HQ procures and retains copyright <input type="checkbox"/> Other: _____																														
PLANNED PUBLICATION SCHEDULE	<table border="0"> <tr><td></td><td>(Date)</td></tr> <tr><td>Calendar Placement</td><td><u>6/24/2012</u></td></tr> <tr><td>Preliminary Approval</td><td><u>11/2013</u></td></tr> <tr><td>Final Approval</td><td><u>6/2014</u></td></tr> <tr><td>Pre. Publications Plan</td><td><u>11/2013</u></td></tr> <tr><td>Final Publications Plan</td><td><u>11/2014</u></td></tr> <tr><td>Call for Papers Out</td><td><u>2/15/2014</u></td></tr> <tr><td>Summaries Due</td><td><u>9/15/2014</u></td></tr> <tr><td>Summary Review Completed</td><td><u>10/15/2014</u></td></tr> <tr><td>Papers Selected</td><td><u>10/30/2014</u></td></tr> <tr><td>*Full Papers Due</td><td><u>1/10/2015</u></td></tr> <tr><td>*Full Paper Review Completed</td><td><u>2/10/2015</u></td></tr> <tr><td>Notification to Authors</td><td><u>2/10/2015</u></td></tr> <tr><td>Final full Papers Due to Publisher</td><td><u>2/28/2015</u></td></tr> <tr><td>ISBN Number Obtained</td><td><u>ANS</u></td></tr> <tr><td>Publication Issued</td><td><u>3/29/2015</u></td></tr> </table>			(Date)	Calendar Placement	<u>6/24/2012</u>	Preliminary Approval	<u>11/2013</u>	Final Approval	<u>6/2014</u>	Pre. Publications Plan	<u>11/2013</u>	Final Publications Plan	<u>11/2014</u>	Call for Papers Out	<u>2/15/2014</u>	Summaries Due	<u>9/15/2014</u>	Summary Review Completed	<u>10/15/2014</u>	Papers Selected	<u>10/30/2014</u>	*Full Papers Due	<u>1/10/2015</u>	*Full Paper Review Completed	<u>2/10/2015</u>	Notification to Authors	<u>2/10/2015</u>	Final full Papers Due to Publisher	<u>2/28/2015</u>	ISBN Number Obtained	<u>ANS</u>	Publication Issued	<u>3/29/2015</u>	<input type="checkbox"/> Obtain logotype from HQ <input checked="" type="checkbox"/> Already have logotype <input type="checkbox"/> Other: _____ Note: ANS logo must appear on all ANS sponsored or supported Publications (see Topical Meeting Manual) <small>* International Standard Book Number – Secure from ANS Headquarters.</small>
		(Date)																																	
Calendar Placement	<u>6/24/2012</u>																																		
Preliminary Approval	<u>11/2013</u>																																		
Final Approval	<u>6/2014</u>																																		
Pre. Publications Plan	<u>11/2013</u>																																		
Final Publications Plan	<u>11/2014</u>																																		
Call for Papers Out	<u>2/15/2014</u>																																		
Summaries Due	<u>9/15/2014</u>																																		
Summary Review Completed	<u>10/15/2014</u>																																		
Papers Selected	<u>10/30/2014</u>																																		
*Full Papers Due	<u>1/10/2015</u>																																		
*Full Paper Review Completed	<u>2/10/2015</u>																																		
Notification to Authors	<u>2/10/2015</u>																																		
Final full Papers Due to Publisher	<u>2/28/2015</u>																																		
ISBN Number Obtained	<u>ANS</u>																																		
Publication Issued	<u>3/29/2015</u>																																		
*Provide dates if doing summary and full paper review																																			

PHYSOR 2014

INTERNATIONAL CONFERENCE

The Role of Reactor Physics toward a Sustainable Future

28th Sep. - 3rd Oct., 2014

The Westin Miyako, Kyoto, Japan

Summary of PHYSOR2014

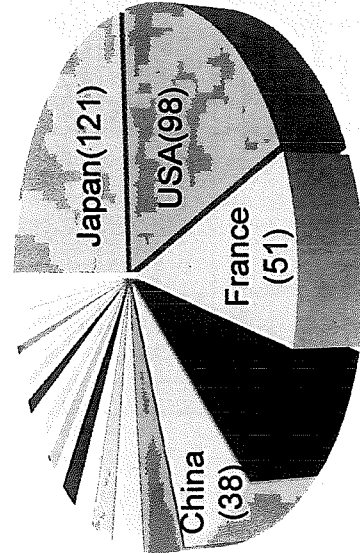
(Presented to ANS RPD in ANS Winter meeting, Anaheim, CA, Nov. 9, 2014)

Akio Yamamoto

1

Statistics of PHYSOR2014

Country-wise participants^{*)}



^{*)}Number of attendees is based on the tentative value at Oct.2, 2014

Statistics of PHYSOR2014

- Eight technical workshops was held on Sunday with 224 participants in total.
- Two Plenary Sessions, 60 technical sessions and a poster session were held in 5 days, with 512 participants from 31 countries including 127 students.
- In total, 472 papers were presented. (Oral:352 & Poster:120)

2

Breakdown of registrations

REGISTRATION FEES	Early	Late	Total (Early + Late)
Regular	339	57	396
Student(including Banquet fee)		68	68
Student(not including Banquet fee)		59	59
Exhibitor	5		5
Speaker		3	3
Total			531
Publication fee		2	

^{*)}Total includes eleven no-shows.

4

Good practices

- Frequent announcements of deadline was effective (6, 3, 2, 1 month(s), 2, 1 week(s), 3, 2, 1 day(s) before the formal deadline)
 - Over 400 submissions before the “formal” deadline.
- Extension of deadline based on the number of actual submissions
- Full length paper submission works well
- ANS RPD style paper review works well ... discuss later
- Paper scoring is invaluable for nomination of best student/poster award candidates
- Frequent e-mail communications notifying progress of preparations
- Promotion of registration by frequent e-mail communications.

9

Lessons learned (need improvements)

- Involvement of more reviewers - active reviewers were minor (~30 reviewers compared to 190 registered reviewers)
- More involvement of track leaders during the review phase, e.g. empowerment of reviewer assignment, promotion of reviews
- Distribution of proceeding (CD-ROM is phasing out, USB/download is preferable)
- Not only the authors, but also the presenter should be registered at the paper submission to reduce number of no-shows.
- Accurate prediction of number of meals is difficult

10

Countermeasure for “no-show, no-register” issues

- “Register or withdraw” strategy fairly works well (but not perfect)
 - Number of papers including the final technical program without registration or publication fee is 10 – approximately 2% of total number of papers.
- Complete practice of “register or withdraw strategy” was difficult
 - Deadline for registration was later than that of the final technical program due to lead-time for adjustment of technical program and reproduction of CD-ROM
- Separation of registration fee and publication fee could be a solution (ANS meeting way)
 - Pros: can eliminate papers without paying any fee, clarify relationship between payment and publication (inclusion into proceedings).
 - Cons: number of attendees might be reduced and number of no-shows might be increased since major purpose of some authors would be inclusion of their papers in the conference proceeding
- “No-show” problem is still difficult to address.

11

Review process

- Assign all reviewers to all papers in each track(ANS way)
 - Pros: management of review process is easy since review can be automatically closed when a paper has sufficient number of reviews.
 - Cons: review may depend on few active reviewers, conflict of interest (theoretically reviewers can review their own paper), lower involvement of track leaders in the review phase, sometimes unable to upload of comments due to “time delay” of review
- Assign a few reviewers to each paper (ICONE way)
 - Pros: can avoid conflict of interest, can assign appropriate reviewers to each paper
 - Cons: assignment of reviewers to each paper is a very stuff task especially when number of papers are very large, promotion of review is difficult and cumbersome since active reviewers are minor, potential delay of review process due to re-assignment of reviewers.
- Both approaches have merits and demerits. The ANS way seems to be better (more practical) for a large conference.

12

Formal publication of PHYSOR2014 proceeding

- The formal proceeding of PHYSOR2014 will be published from JAEA as JAEA-conf report.
 - JAEA-conf can be cited as a formal publication
 - Freely downloaded from web-site of JAEA
 - In principle, presented papers will be included in JAEA-conf under approval of the authors
 - Papers included in the special issue of PHYSOR2014 from JNST will be excluded

17

Best Poster Award

- William Boyd, Nathan Gibson, Samuel Shaner, et al., "PINSPEC: A Monte Carlo Code for Pin Cell Spectral Calculations for Educational Applications"
- Tsuyoshi Misawa, Takahiro Yagi, Cheol Ho Pyeon, "Measurement of Subcriticality Using Delayed Neutron Source Combined with Pulsed Neutron Accelerator"
- Toshihiro Yamamoto, "Void Transit Time Calculations by Neutron Noise of Propagating Perturbation Using Complex-Valued Weight Monte Carlo"

19

Best Student Paper Award

- Andrew T. Till, Jim E. Morel, and Marvin L. Adams, "A Generalized Multigroup Method Based on Finite Elements"
- Wim Uyttenhove, P.Baeten, A.Kochetkov, et al. "Static Modal Analysis of the Current-to-Flux Subcriticality Monitor for Accelerator-Driven Systems"
- Nicholas Horelik, Benoit Forget, Kord Smith, "Domain Decomposition and Terabyte Tallies with the OpenMC Monte Carlo Neutron Transport Code"

18

Summary

- PHYSOR2014 has been successfully carried out from the technical and financial point of views.
- Many thanks to:
 - ANS RPD and other societies/organizations
 - Financial co-sponsors, exhibitors
 - Technical program co-chairs
 - Track leaders/session co-chairs
 - Technical program committee members
 - Paper contributors
 - Attendees from all over the world

20

**RPD PROGRAM COMMITTEE
MEETING MINUTES**

2:00 – 4:00 pm, Sunday, November 9, 2014
ANS Winter Meeting, Anaheim, California
Disneyland Hotel, Amazon Room

- Rabiti called the meeting to order at 2:00pm.
- Abdel-Khalik has been designated as the Minutes-Taker.
- Rabiti overviewed the roster of new and current members.
- Rabiti overviewed the special sessions for the summer ANS meeting. Among the attendees were Mahgerefteh who presented his special session on fuel reliability, and Heidet on small modular reactors. Both confirmed that they have recruited contributors to submit summaries to their sessions.
- Rabiti requested proposals for special session for the Winter 2015 meeting. The following special sessions have been proposed:
 - o Abdel-Khalik proposed a session on uncertainty quantification. Given that this session has been proposed consistently over the past 6 years, a request has been made to turn it into a permanent RPD session. No objections were made to this request. Abdel-Khalik will discuss with MCD to co-sponsor this session as a permanent session.
 - o Yang proposed a session on fast reactors technology.
 - o Clarno proposed a session on whole core radiation transport.
- Rabiti reported that RPD has 59 summaries presented at the Anaheim meeting.
- Six papers were nominated for best paper award based on the initial technical review. Abdel-Khalik explained the process for judging best paper to attendees, and recruited volunteers to judge the presentations given at the meeting.
- Yamamoto gave an overview of the PHYSOR 2014 meeting held in Kyoto Japan.
- None of the attendees had information to share with the committee on the PHYSOR 2016 meeting.
- Ellis discussed an ANS request to hold the 2018 PHYSOR meeting at a hotel in Charlotte to help ANS avoid paying attrition penalties incurred for not meeting the contract obligations for the April 2014 ICAPP meeting.
 - o Attrition penalties are reported in the neighborhood of 150K.
 - o The RPD budget for past year is reported to be 72K.
 - o A question was raised on whether the local ANS chapter in Charlotte is willing to take charge of organizing the PHYSOR 2018 meeting if RPD honors ANS's request.
 - o Representative of the ANS local chapter in Charlotte declared that the chapter is willing to support but not lead the organization of the meeting.

They are willing to cover some of the logistical issues; however the chapter is not willing to take charge of the bid.

- A question was raised on whether this request could provide an opportunity for RPD to be directly involved (lead) the organization of the PHYSOR meeting instead of the local ANS chapter. Concerns were raised about the effort level required of RPD to take on such responsibility.
- Klann has given background information to the committee on the situation and provided cost information for the Charlotte hotel, requested by ANS to be the venue for the PHYSOR 2018 meeting. He also discussed the potential losses to ANS if RPD does not honor ANS's request.
- An ANS meeting organizer invited by Klann has shared historical figures on hotel cost in the Charlotte area for several past ANS functions.
- He also discussed potential incentives that ANS is willing to provide to RPD upon approval of their request. These incentives include waiver of the cost of the review process, ANS HQ participation in the organization of the meeting if the local ANS chapter in Charlotte is not willing/capable of organizing the meeting, RPD's share of the meeting's revenue is open to negotiation.
- Rampal requested a poll on whether the RPD should honor ANS's request. A split poll of 10 for and 9 against was recorded.

- Meeting adjourned at 4:10pm