

Program Committee Minutes

American Nuclear Society – Thermal Hydraulics Division

Program Committee Meeting

Omni Shoreham Hotel, Washington, DC

2:30 – 4:30 PM, Sunday, November 10, 2013

Location: Parlor #415

Attendees: Igor Bolotnov (NC State U.), Seungjin Kim (Penn State U.), Cesare Frepoli (FPoli Solutions), Joe Fricano (FPoli Solutions), Piyush Sabharwall (INL), Fatih Aydogan (U. Idaho), Jong Kim (KAIST/EPRI), Michio Murase (INSS, Inc.), John Luxat (McMaster U.), Hisashi Ninokata (Politecnico di Milano), Bao Wen Yang (Xi'an Jiaotong University), Theron Marshall (GE), Elia Merzari (ANL) – Assistant Chair, Wade Marcum (Oregon State), Takashi Hibiki (Purdue U), Emilio Baglietto (MIT), Marco Pellegrini (IAE), Paolo Ferroni (Westinghouse), Dave Pointer (ORNL), Don Todd (Angstrom Tech), Xiaodong Sun (Ohio State U.) – Chair, Huajian Chang (SNPTRD), F. Bill Cheung (Penn State U.), David Aumiller (Bettis), Si Young Lee (SRNL), Kurshad Muftuoglu (GE), Lane Carasik (Texas A&M U.), Philippe Bardet (George Washington U.), Yang Liu (Virginia Tech), DuWayne Schubring (U. Florida) – Secretary (by phone) [same order as Attachment A], Yassin Hassan (attended but did not sign the sign-in sheets)

1. Opening (Sun)

Prof. Sun opened at the meeting at 2:30 with brief comments commemorating Dr. Chang Oh and Prof. Novak Zuber, both of whom died since the last PC meeting.

2. Approval of Meeting Agenda (All)

The agenda (Attachment B) was approved, as written, unanimously.

Following approval of the agenda, Prof. Sun paused the meeting to allow attendees to introduce themselves.

3. Approval of Minutes from 2011 Winter Meeting, 2012 Annual and Winter Meetings, and 2013 Annual Meeting (All)

It was noted that the 2011 Winter Meeting minutes were approved at the 2012 Annual Meeting.

The minutes from the 2012 Annual, 2012 Winter, and 2013 Annual Meetings were approved unanimously following Item 4, to allow more time for the members to review the minutes.

4. Action Items from 2013 Annual Meeting **a. ATH'14 NPC Approval (Muftuoglu)**

Prof. Sun led the discussion in place of Dr. Muftuoglu, who had stepped out of the room. The National Program Committee (NPC) has approved ATH '14 an embedded topical within the 2014 Annual Meeting in Reno, Nevada.

The action item is **closed**.

Committee members made additional comments concerning ATH '14. A deadline of Jan. 10 for full papers is currently established. There will be no abstract submission required. The higher standard of peer review for full paper meetings was highlighted. Selected papers will be published by Nuclear Technology (an ANS journal). Special events to commemorate Prof. Zuber and Dr. Oh are planned.

b. Suggestion to NPC on summary submission deadline extension (Muftuoglu/Sun)

Dr. Muftuoglu indicated that a suggestion was made to the NPC to extend the deadline for summary submission to the Annual and Winter Meetings. Publication constraints were discussed by the THD PC. The NPC has made no official change at this time.

The action item is **closed**.

5. Session Status of 2013 ANS Winter Meeting in Washington, DC (Sun/Merzari)
a. Submittal Statistics
b. Reviews

Prof. Sun thanked the reviewers for the 2013 ANS Winter Meeting and passed out a document listing detailed information on the sessions and reviews (Attachment C). A total of 96 summaries were made for the 11 sessions, with 86 summaries in the final program. A total of 29 reviewers contributed 284 reviews. Each paper received the required number of reviews. One member suggested getting more international reviewers involved in the review of summaries for the national meetings, and Sun welcomed recommendations for international reviewers.

c. Session Assignments

Prof. Sun noted that due to limited space at the Omni Shoreham, 2 parallel sessions were to occur on Tuesday evening. In addition, Prof. Jong Kim will lead the Technical Achievement Award (presented posthumously to Dr. Oh) following a Monday afternoon session. Comments from attendees concerning evening sessions were solicited.

The session chair and room assignments (see attachment) were reviewed. The ANS-mandated session form was discussed due to low turn-in rates at previous meetings. PC members were also reminded of the importance of detailed paper reviews due to the high number of summaries received at recent meetings.

6. 2014 ANS Annual Meeting Program and ATH'14 in Reno, NV (Muftuoglu and Sun)
a. Announced Session for Annual Meeting

Prof. Sun noted that only one THD-sponsored summary session would be held in the regular 2014 Annual Meeting program. Authors are encouraged to submit full papers to ATH '14, instead.

b. Status Update on ATH'14

Dr. Muftuoglu provided an update on this conference. Since the ICAPP meeting is no longer hosted as an alternate-year embedded topical at the Annual Meetings, the intent is to have ATH on that schedule.

Conference leadership includes:

General Chairs: Kurshad Muftuoglu, Jong Kim

Program Chairs: Donna Guillen, Horst-Michael Prasser

Assistant Program Chairs: Seungjin Kim, Elia Merzari

The deadline for full draft papers is set for Jan. 10 (possibly will be extended), with camera-ready manuscripts required in late March. No abstracts will be required. A plenary session dedicated to the late Prof. Zuber will be held with 8-10 former colleagues and students speaking. In addition, a regular technical session will be held on his work. A technical session on the work of the late Dr. Oh will also be held.

It was noted that the proceedings of ATH'14 would be published in one CD-ROM together with the general annual meeting (and other embedded topicals). Members also discussed paper template and page limits for ATH'14. Selected papers will be published by Nuclear Technology (an ANS journal). The THD PC recommended that a paper template and required minimum/maximum lengths be made easily accessible to potential authors.

Finally, the mission of ATH '14 vis-à-vis NURETH and NUTHOS was briefly discussed, with no motions made.

7. 2014 ANS Winter Meeting Program in Anaheim, CA (Sun/Merzari)
a. Proposed Sessions/Organizers

The following nine sessions (7 summary and 2 panel sessions) were proposed with the session organizers listed in parentheses for the 2014 ANS Winter Meeting:

1. General Thermal-Hydraulics (J. Luxat and P. Ferroni)
2. Computational Thermal-Hydraulics (D. Aumiller, F. Aydogan, and I. Bolotnov)
3. Experimental Thermal-Hydraulics (F. B. Cheung, Y. Liu, and T. Marshall).
4. State of the art in modeling fuel rod ballooning, fuel relocation and high burnup issues in LOCA Evaluation Models (K. Muftuoglu and C. Frepoli)
5. Young Professional Thermal-Hydraulics Research Competition (Hu, Bardet, Marcum) – cosponsored with YMG
6. Experimental Support for System Code Development and Validation: IETs and SETs (N. Aksan, W. Marcum, and D. Aumiller)
7. Thermal-Hydraulic Analyst 2.1 (S. Bilbao y Leon, E. Merzari)
8. Subchannel Thermal-Hydraulic Analysis (B.W. Yang and H. Ninokata)
9. Experimental Capabilities in support of Thermal Hydraulics (P. Sabharwall and Y. Hassan)

8. NUTHOS-10 Update (Ninokata)

Prof. Ninokata indicated assembly of the NUTHOS-10 program committee was well underway. NUTHOS-10 will be held Dec. 14-18, 2014, in Okinawa, Japan. The abstract submission deadline is the end of February 2014. NUTHOS-11 is likely to be held in South Korea at a future date.

9. NURETH-16 Update (Merzari/Sun)

Dr. Merzari indicated that the budget for NURETH-16 was approved by ANS-national following the June meeting. NURETH-16 has been placed on the ANS meetings calendar for Aug. 30 to Sep. 4, 2015 in Chicago, Illinois, USA. It will be held at the Hyatt Regency (same location as 2012 Annual Meeting). A website has been established. The Call for Papers is currently being drafted, in parallel with assembly of the Technical Program Committee.

10. ICAPP'14 Update (Muftuoglu/Sun)

Dr. Muftuoglu indicated that ICAPP '14 will be held in Charlotte in April, 2014. The meeting is hosted by OPD. OPD requested support from THD (as a co-sponsor), but the specific activities being requested were unclear, as was any financial benefit to THD. The status of THD vis-à-vis ICAPP'14 is still unresolved.

11. Old Business (All)

There was no old business.

12. New Business (All)

a. Special Journal Issue in Honor of Dr. Novak Zuber (Bajorek/Cheung)

A special edition of Nuclear Engineering and Design to commemorate Prof. Zuber's career is being proposed. The vote was referred to the EC.

b. National Meeting Summary Acceptance/Rejection Criteria (Aumiller/Sun)

Dr. Aumiller discussed the poor quality of some summaries for the national meetings, particularly those being rated Accept with Revisions. Summaries as short as one paragraph are being submitted, which Dr. Aumiller (and others) do not believe are archival quality. The need for a stringent review, with enforcement of existing acceptance criteria, was discussed by the committee.

c. Proposed New PC Members (Cheung/Sun)

Prof. Cheung recommended Huajian Chang (State Nuclear Power Technology R&D Center (SNPTRD) and Tsinghua University) for selection to the PC, citing increased research in PR China.

Prof. Sun also recommended Philippe Bardet (George Washington U.) and Yang Liu (Virginia Tech U.).

The three nominations were grouped into a single **MOTION:**

Recommend to the EC the appointment of Huajian Chang, Philippe Bardet, and Yang Liu to the THD-PC

The motion was seconded and approved unanimously.

d. (From the Floor) Appointment of THD NPC Representative

Prof. Sun made the following **MOTION:**

Recommend to the EC the appointment of Elia Merzari (ANL) as the THD representative to the NPC

The motion was seconded and approved unanimously.

The meeting was adjourned at 4:33 pm.

Attachment A – Sign-In Sheets

American Nuclear Society – Thermal Hydraulics Division
 Program Committee Meeting
 Omni Shoreham Hotel, Washington, DC
 2:30 – 4:30 PM, Sunday, November 10, 2013
 Location: Parlor #415

Sign In Sheet

Name	Affiliation	Email	Phone
Igor Bolotov	NE State	igor.bolotov@ncsu.edu	(518) 542-8939
Seungjin Kim	Penn State	skim@psu.edu	(414) 867-1783
Cenae Faeou	FPol Solutions	cfae@fpolsolutions.com	(294) 448-9615
Joe Fricans	FPol Solutions	jfricans@fpolsolutions.com	(714) 547-5800
Riyush Sabharwal	INL	Riyush.Sabharwal@inl.gov	208-526-6494
Fath Aythya	UI	fath@utdallas.edu	412-918-2067
Jong Kim	KAIST/EPRI	jkim@kaist.ac.kr	650-855-2204
Maths Mervise	EG&T of Nuclear Safety System, Inc	mervise@nss.co.jp	+81-990-99-9110
Tommy Lambert	DePester University	lambertj@mcnactor.ca	(905) 525-9140 94 24670
Hisashi Nishimura	Polytechnic di Milano	hisashi.nishimura@polimi.it	+39-394-663-2208
Rob WEN YONG	Xiao Trajectory University	wy@mail.xjtu.edu.cn	
Therese Marshall	General Electric	therese.marshall@ge.com	9104317425

American Nuclear Society – Thermal Hydraulics Division
 Program Committee Meeting
 Omni Shoreham Hotel, Washington, DC
 2:30 – 4:30 PM, Sunday, November 10, 2013
 Location: Parlor #415

Sign In Sheet

Name	Affiliation	Email	Phone
EUG MERZARI	ANL	emerzari@anl.gov	+16309418813
Usada Marcusa	Oregon State University	usademarcusa@onysuhsbheadu	15917373018
TRAKHOR HIRIKI	PURDUE UNIV	h.hiriki@purdue.edu	+1-765-496-9033
EMILIO BALESTRO	MIT	emilio@mit.edu	+1-617-253-4231
MARCO PELLEGRINI	INM	mpellegrini@inm.cnr.it	15917373018 +1-617-253-4231
PAOLO FERRONI	WESTINGHOUSE	FERRONP@WESTINGHOUSE.COM	724-940-878
DAVE PANTER	ORNL	pinkerdd@ornl.gov	615-241-4472
Don Todd	Angstrom Tech	donald.todd@angstromtech.net	509 416 6886

American Nuclear Society - Thermal Hydraulics Division
 Program Committee Meeting
 Omni Shoreham Hotel, Washington, DC
 2:30 - 4:30 PM, Sunday, November 10, 2013
 Location: Parlor #415

Sign In Sheet

Name	Affiliation	Email	Phone
Xiaodong Sun	The Ohio State University	Sun.204@osu.edu	614-247-7646
Chang Huangyan	SUPTRD	changhy@tsinghua.edu.cn	861 8910837568
F. Ben Cheng	Penn State	fxc4@psu.edu	814-863-4261
David Humble	BMR	david.humble@contractor.energy.gov	412-476-6627
Si Young Lee	Savannah River National Lab	si.lee@srnl.doe.gov	252-2442
Kuei-Hsiung Hwang	GE Hitachi Nuclear Energy	kueihsia@ingramco.com	910-338-1467
Lane Carsik	Texas A&M University	lcarsik@tamu.edu	779-876-3895
Phillip Bardet	George Washington University	bardet@gwu.edu	202/994/2650
Yang Liu	Virginia Tech	lw130@vt.edu	540-231-8468

Attachment B – Agenda

PROPOSED AGENDA

American Nuclear Society – Thermal Hydraulics Division
Program Committee Meeting
Omni Shoreham Hotel, Washington, DC
2:30 – 4:30 PM, Sunday, November 10, 2013
Location: Parlor #415

1. Opening (Sun)
2. Approval of Meeting Agenda (All)
3. Approval of Minutes from 2011 Winter Meeting, 2012 Annual and Winter Meetings, and 2013 Annual Meeting (All)
4. Action Items from 2013 Annual Meeting
 - c. ATH'14 NPC Approval (Muftuoglu)
 - d. Suggestion to NPC on summary submission deadline extension (Muftuoglu/Sun)
5. Session Status of 2013 ANS Winter Meeting in Washington, DC (Sun/Merzari)
 - d. Submittal Statistics
 - e. Reviews
 - f. Session Assignments
6. 2014 ANS Annual Meeting Program and ATH'14 in Reno, NV (Muftuoglu and Sun)
 - c. Announced Session for Annual Meeting
 - d. Status Update on ATH'14
7. 2014 ANS Winter Meeting Program in Anaheim, CA (Sun/Merzari)
 - b. Proposed Sessions/Organizers
8. NUTHOS-10 Update (Ninokata)
9. NURETH-16 Update (Merzari/Sun)
10. ICAPP'14 Update (Muftuoglu/Sun)
11. Old Business (All)
12. New Business (All)
 - e. Special Journal Issue in Honor of Dr. Novak Zuber (Bajorek/Cheung)
 - f. National Meeting Summary Acceptance/Rejection Criteria (Aumiller/Sun)
 - g. Proposed New PC Members