

Minutes

Isotopes and Radiation Division

Virtual Meeting – BlueJeans

November 11, 2020

(Notes taken by Kim Burns)

The following individuals attended the IRD Executive Committee Meeting based on verbal rollcall on the BlueJeans videoconference.

- Sam Glover, Chair
 - Kim Burns, Secretary
 - Robert Greg Downing, Treasurer
 - Steven R. Biegalski, Executive Committee Member
 - Lin-Wen Hu, Executive Committee Member
 - Kenan Unlu, Executive Committee Member
 - Jim Bowen, Executive Committee Member
 - Lei “Raymond” Cao, Executive Committee Member
 - Igor Jovanovic, Executive Committee Member
 - Jung Rim, Executive Committee Member
 - Kyle Hartig, Executive Committee Member
 - Brenden Heidrich, Executive Committee Member
 - Robert Steiner, Executive Committee Member
 - Valbhav Sinha, Executive Committee Member
 - Robert Stiner, Executive Committee Member
 - Georg Steinhauser, Executive Committee Member
 - Stephen LaMont, Past Chair
 - Rebecca Steinman, Board Liaison
 - Aubrey Whittington, ANS
1. Sam Glover called the meeting to order.
 - a. A quorum was present at the meeting.
 - b. Agenda is included in Attachment 1.
 2. Approval of previous minutes
 - a. Sam: motion to approve minutes. Kim seconds, All Ayes.
 3. Chairman’s report
 - a. Discuss future elections
 - i. Ad hoc committee formed to fill the open position to the EC and the
 - ii. Need Vice Chair, Treasurer and max 7 or min 4 Executive Committee members
 - iii. Nominations due to November 30th.
 - iv. **ACTION ALL:** Send nominations to Steven, Stephen and Sam as soon as possible

- b. Review current membership
 - i. Young members representation
 - 4. Treasurer's Report
 - a. IRD treasurer report is included in Attachment 2.
 - i. \$57,000 previously identified to build up the awards. Currently on hold due to risks associated with the division being responsible for up to 25% of the loss of a conference.
 - Recommendation – hold this funding until after MARC next year.
 - MARC Discussion
 - a. Minimum number of people who need to stay at the MARK room block is 250. Concerns due to conferences piling up in 2022 due to COVID. RANK was rescheduled until 2023 to reduce conflicting schedules (May 2023).
 - b. JRNC and award are all staying the same and the technical committee is still committed even with the change in dates.
 - ii. Allocated \$2,000 for student support already.
 - iii. BMD budget was merged with the IRD budget.
5. Student Conference/Support Topics
 - a. 2021 – ANS Student Meeting – North Carolina
 - i. Transitioned dates to April 8-10, 2021
 - ii. 8 workshop and 13 panels
 - iii. Planning was already completed due to the lateness of the cancellation
 - iv. Rolled over the \$2,000 from last year due to the conference being postponed
 - v. Current plan to be in person but will be discussing with ANS at the end of the winter meeting.
 - vi. Looking for reviewers.
6. Division Committees
 - a. Program (Chair Kenan Unlu and Igor Jovanovic)
 - i. Report is included as Attachment 3
 - ii. Winter 2020
 - 1 panel session, 8 technical with one joint with NNPD
 - Potential strategy in the future would be to identify a national lab collaboration when selecting topic areas
 - iii. June 2021
 - In Rhode Island if in person. Decision has not been made yet.
 - Two topic areas identified:
 - a. Isotopes and Radiation: General
 - b. US research and test reactor fleet 2021-2040 – supporting advanced nuclear technology –
 - i. Currently 8 focuses identified.
 - ii. Could be separated into 2 sessions – one on research reactors and one on advanced reactors

- iii. Is there a diversity and inclusion aspect that could be included here? Potentially manpower needs for supporting this focus area. That could be a better session for DC.
 - iv. Washington DC 2021
 - ACTION ALL: Send summary to Kenan for proposal for sessions to meeting – Due at the end of November – 100-word summaries
 - Potential conversion session
 - v. Upcoming Meetings
 - MARC – See notes from section 4a.
 - ANIMMA 2021 – blended meeting
 - a. Used to be class 4 but isn't because of the closeness of an ANS meeting. We should try to get it sponsored next time again.
 - INMM – Not approved, just of interest
 - Actinides 2021 – currently planned for in person – class 4
 - IEEE Nuclear Science Symposium and Medical Imaging Conference
 - 11th ICI – class 4
 - vi. Registration
 - Typically, IRD gets 5 invited registrations - 1 day but full meeting for virtual meetings
 - Approval authority for complimentary registrations delegated to the program chair.
 - Virtual meetings allowed for corporate sponsors to include more registrations.
 - a. ANS is making more money from virtual meetings than in person meetings.
 - b. Attendance is up.
 - c. Paper submissions increased.
 - d. Hybrid models are possible in the future. IRD committee is encouraging a 1 and 1 model.
- b. Membership
 - i. Membership statistics
 - ANS membership has been down over the last 5 years but seems to be stabilizing.
 - Current - 861 IRD membership.
 - Where did all the BMD members go?
 - ii. Recruiting
 - May increase over the next few months due to ANS membership perks.
 - Communication with “new people” to keep them after the trial is up.
 - a. Social media
 - b. Nuclear News is focusing on a division for each issue

- Could include the membership fee in the conference attendance fee in the future.
 - c. Honora and Awards
 - i. Radiation Science and Technology Award
 - Kannan Unlu won.
 - ii. Vogt Award
 - Applications open November 15th
 - iii. New Award: Tsahi Gozani (Undergraduate and Graduate Scholarships)
 - Approved but waiting on some of the specifics.
 - Voted remotely on it.
 - Endowment \$60,000
 - \$3,000 annual award
 - iv. Newsletter/Website
 - An outline was completed but content needs to be completed.
 - ACTION Jim and Jung: Get information from people.
 - ACTION Kim: Follow-up to make sure it gets complete
 - Things to include in the newsletter:
 - a. Interview with Tsahi Gozani
 - b. What does your membership dues pay for?
 - c. What is the Vogt award?
 - Consider a shorter newsletter more frequently
 - Kim got access to the website but never updated it. Requested access again but needs help.
 - a. ACTION Kim: find someone to support the website
 - b. ACTION Raymond: help find a student
 - d. Technical Committees
 - i. This is the lifeblood of our division. We need to get active and try to target 2 or 3 committees to determine what should be up next.
 - ii. ACTION Kannan and Igor - Reach out to technical committees to bolster what is coming up and planning for a few years out.
 - iii. Don't lock in the rotation because factors such as location or other meetings close to the meeting time should also be considered.
- 7. Conferences
 - a. Discussed under 6.a.v
- 8. Old Business
 - a. Position Statements
 - i. Lin-Win has updated position statements 72 and 30. Does it need to be reviewed and approved by IRD prior to the meeting on Friday?
 - ACTION Lin-Wen: Send drafts to IRD for review and reach out to the policy committee.
 - ACTION Sam: Add this topic to the agenda for future discussion.

9. New Business

- a. Standards
 - i. ACTION Kim: Send list of standards to IRD Executive Committee after next standards meeting.
- b. Program Committee Chair:
 - i. MOTION: Kannan proposes to transition the Program Committee Chair to Igor and for Kannan to continue to help as second.
 - ii. Igor is willing
 - iii. We need to consider filling the other roles on this committee as well.
- c. Future of meetings
 - i. Only one person a year.
 - ii. Finding other locations for national meetings is of interest.

10. Meeting Adjourned

- a. Stephen motioned
- b. 2nd Kenan
- c. All Ayes

Attachment 1

Agenda

Isotopes and Radiation Division

On-Line:

November 11, 2020 6:00 – 8:00 pm (ET)

Meeting URL: https://bluejeans.com/351405032?src=join_info

Meeting ID: 351 405 032

Phone: +1.408.419.1715 or +1.408.915.6290

(see all numbers - <https://www.bluejeans.com/numbers>)

- 1) IRD Executive Committee Meeting call to order
- 2) Review of Past Minutes from June 2020 ANS Annual Meeting (Burns)
- 3) IRD Officers and Executive Committee (LaMont as past Chair)
 - a. Review current membership
 - b. Discuss future elections
- 4) Treasure's Report (Downing)
- 5) Student Conference/Support Topics:
 - a. 2021 – ANS Student Meeting – North Carolina
- 6) Division Committees
 - a. Program (Unlu)
 - i. IRD Sessions at June 2021 ANS Annual Meeting in Providence, RI
 - ii. IRD Sessions at November 2021 ANS Winter Meeting in Washington, DC
 - iii. Using comps at nationals to enhance IRD
 - b. Membership (LaMont as past chair)
 - i. Review Membership statistics
 - ii. Recruiting?
 - c. Honors and Awards
 - i. Vogt Award
 - ii. Radiation Science & Technology Award
 - iii. New Award : Tsahi Gozani (Undergraduate and Graduate Scholarships)
 - d. Newsletter/Website (Jim Bowen & Jung Rim)
 - e. Students & Young Members
 - f. Technical Committee Updates
- 7) Conferences
 - a. MARC 2022
 - b. ICI 11 - 2022
 - c. Actinide 2021
- 8) Old Business:
 - a. Review Rules and Bylaws
 - b. YMG recruiting and IRD membership
- 9) New Business
 - a. President meeting with IRD 0 slide deck and discussion

Administrative Committees

	Committee Chair	Members
Program	Kenan Unlu (appointed for 4 yrs)	Igor Jovanovic/ Greg Downing
Membership	Past Chair	
Special Committee: Nominations	Past Chair	
Finance Committee	Treasurer	need 1 member
Honors and Awards	Named (Sam Glover)	Sam Glover and 3 others
Planning	Div Vice Chair	needs 1 other member
Newsletter and Publications	Secretary	Secretary, Jim Bowen, Jim Rung
Website	Secretary	Secretary, Jim Bowen, Jim Rung
Students and Young Members	Chair appointed for 4 yrs	Secretary, Jim Bowen, Jim Rung

Technical Committees

Industrial Measurements and Applications		
Nuclear and Atomic Analysis	Sam Glover/Steve LaMont	George, Jung, Bowen
Radiation Effects	Edward Cazalas	Igor Jovanovic
Transuranics	Glenn	Jung Rim
Safeguards, Forensics, and Non-Proliferation	Steve Biegalski	Raymond Cao, Kim Burns, Rob Steiner
Research Reactors	Joel McDuffy	Lin Wen Hu, Raymond Cao
Isotope Production	Jim Bowen	Joel McDuffy, Lin Wen Hu
Neutron Sources, Neutron Beams, Applications	Kenan Unlu	Greg Downing
Gamma and Neutron Imaging Applications	Igor	Hank, Raymond, Robert Downing
Development and Applications of Nuclear Technology for Life Science		

Other Interfaces and Contacts

Standards Committee Interface	Kim Burns and Robert Downing (appointed)	
1. Environmental and Siting Consensus Committee (ESCC0)		
2. Safety and Radiological Analyses Consensus Committee (SRACC)		
MARC Conference	Steve LaMont	Sam Glover (Program Chair)/Jim Tanner(Treasurer)

Attachment 2

2020 Budget for Isotopes & Radiation Division				
	2019	2020	2020	2021
	Actual	Budget	Actual through 9/30/2020	to be proposed
Balance Forward from Previous Year	\$91,988	\$70,221	\$70,221	\$11,301
Budget Funds				
Member Dues Allocation (\$2/ full dues member; \$1 / reduced dues member)	\$1,233	\$1,580	\$1,074	based on 12/
Division Income				
Total Income	\$1,233	\$1,580	\$1,074	\$0
Budget Expenses				
Newsletters, Website				
Awards & Plaques		\$57,000		
National Meeting Costs				
Topical Meeting Costs				
Division Officer Expenses				
Student Support	\$22,000	\$2,000	\$2,000	
Future Activity				
Scholarship/NEED Funding				
YMG Support				
Other Expenses	\$1,000	\$1,500		
Total Expenses	\$23,000	\$60,500	\$2,000	\$0
Net	(\$21,767)	(\$58,920)	(\$926)	\$0
Total Year End Funds	\$70,221	\$11,301	\$69,295	\$11,301

2020 NOTE: \$57K is proposed: \$23K for the sustainability of IRD Technoal Award and \$34K is to enhance sustainability of the Vogt award...disbursement not yet authorized by Division

Attachment 3

Isotopes and Radiation Division Program Committee Report Virtual Winter Meeting of the American Nuclear Society November 16 - 19, 2020

Kenan Ünlü, IRD Program Chair
Igor Jovanovic, IRD Assistant Program Chair

National Meetings

The Isotope and Radiation Division organized one panel and eight technical sessions and co-sponsored one technical session with NNPD at the 2020 Virtual Winter. A total of 41 technical papers and 5 panelist papers will be presented in IRD sessions.

IRD Sessions June 2018	Organizer
Isotopes and Radiation: General I	Jovanovic
Isotopes and Radiation: General II	Ünlü
Advancement in Medical Isotope Production and Applications (Panel)	Eric Wilson Lin-Wen Hu
Progress on High-Density LEU Fuel Development and Reactor Conversion-I: Facility Updates	Eric Wilson Lin-Wen Hu
Progress on High-Density LEU Fuel Development and Reactor Conversion-II: Fuels/Structural	Eric Wilson Lin-Wen Hu
Progress on High-Density LEU Fuel Development and Reactor Conversion-III: Reactor Modeling	Eric Wilson Lin-Wen Hu
Progress on High-Density LEU Fuel Development and Reactor Conversion-IV: Computational Approaches and Benchmarks	Eric Wilson Lin-Wen Hu
Progress on High-Density LEU Fuel Development and Reactor Conversion-V	Eric Wilson Lin-Wen Hu
New and Innovative Developments at the Research Reactors and Nuclear Science Programs	Ünlü
Technology and Policy Advancements in Nuclear Nonproliferation	K. Amundson

One general and two technical sessions are planned for the 2021 ANS Annual Meeting, June 13-17, 2021 at Providence, RI

IRD Sessions June 2021	Organizer
Isotopes and Radiation: General	Jovanovic/Ünlü
?	B. Heidrich
?	?

Please also consider organizing session(s) for the 2021 ANS Winter Meeting in Washington DC, in October 31- November 4, 2021. If you would like to organize a session, provide a 100 words summary to Kenan Ünlü (kxu2@psu.edu) or Igor Jovanovic (ijov@umich.edu) via email ASAP.

IRD Related Meetings

12th International Conference on Methods and Applications of Radioanalytical Chemistry (MARC) Marc 21-26, 2021 Kailua-Kona, Hawaii
<http://www.marconference.org/>

International conference on Advancement in Nuclear Instrumentation Measurement Methods and their Applications (ANIMMA 2021)
Prague, Czech Republic
<https://indico.utef.cvut.cz/event/23/>

Actinides 2021
<https://www.actinides2021.com/>
September 26 – October 1, 2021
Tallahassee, FL

11th *International Conference on Isotopes & Expo*
<https://venuewest.eventsair.com/ici-2022/>
June 19 - 23, 2022 Saskatoon, Canada.