

## **AAD Accelerator Applications Division Executive Committee Meeting**

### **2017 ANS Winter Meeting at Marriott Wardman Park Washington, D.C.**

**October 30, 2017 – 11:30 am – 1:30 pm  
Location: Park 8228**

#### **1. Introductions**

Reg Ronningen, Bill Horak, and Michael Mocko were in attendance. Charles Kelsey and Mohamed Gohar attended by SKYPE. Proxies were given by Alexandar Barzilov, Phillip Cole, and Ross Radel. Also in attendance were Blair Bromley, David Frazier, David Wootan, and James Stubbins.

Not Present: Gregory Dale, Todd Allen, Gary Barbin, John Galambos, Richard Lanza, and Lin Shao

#### **2. Acceptance of Minutes from 21 June 2017**

Reg Ronningen moved that the minutes from 21 June 2017 Annual Meeting be accepted. The motion was seconded and approved unanimously.

#### **3. Acceptance of Agenda**

Reg Ronningen moved that the agenda for the meeting be accepted. The motion was seconded and approved unanimously

#### **4. Chair's Opening Remarks**

- a. We had no attendance at the Professional Divisions Training Workshop because of travel conflicts. However, documents on Professional Divisions Bi-Annual Leadership Activity Roadmap and OPD Training Guideline for Treasurer were obtained and Reg will distribute them to the EC.
- b. President's meeting with Division chairs - Attended by Reg. Many themes presented echoed those presented at the June 2017 Annual Meeting (see the 21 June 2017 AAD EC Meeting Minutes for Past-Chair Charles Kelseys' comments). Reg will distribute President Coward's presentation and 2018 Budget outlook for Division and Committee Chairs Outlook to EC members.
- c. Mentor Meeting - Reg attended as an AAD representative. He introduced the AAD to all participants and then met with about 6 students over general discussions of accelerator applications and opportunities, and on specific interests in radiation damage, medical isotopes, and in transport code development. Reg will follow up with each interested student by providing specific references and materials.
- d. Presentation to Board of Directors on the health of the division will be given on Wednesday, and will be posted to the AAD website.

#### **5. Treasurer's Report**

Given by Bill Horak, see attached summary.

## **6. AAD Website**

- a. Charles Kelsey serves as webmaster
- b. Link to bylaws has been established
- c. Latest Newsletter has been posted.
- d. Looking for other content suggestions

## **7. Young Members Group Report**

- a. Nick Thompson presented a summary of YMG activities
- b. A webinar on the division activities has been posted.
- c. There was low attendance at the YMG sessions.
- d. Suggestions for additional webinars requested.
- d. We need to designate a new liaison.

## **8. Acc App Conference Series**

- a. Acc App 2017
  - 1. Lessons learned
    - a. Try to improve synchronization of sessions and papers
    - b. Reduce overlap in papers and technical sessions
    - c. Better coordination with session and panel chairs
  - 2. Ideas for improvement
    - a. Reduce number of parallel sessions to just 2 to ensure good attendance
    - b. Reduce length of plenary sessions to accommodate.
    - c. Run technical sessions a bit longer in the day to accommodate.
    - d. Use more poster sessions.
  - 3. Brainstorm session at end (from Blair Bromley Notes attached)
- b. Acc App 2019
  - 1. Will be in Vienna, Austria
  - 2. Dates are to be determined
  - 3. Need to appoint liaison for meeting

## **9. AAD Committee Representatives**

- a. Program Committee - Peter Hosemann (need successor)
- b. Newsletter - Reg Ronningen
- c. Nominations - Charles Kelsey
- d. Scholarship - Not assigned at present. Reg sent a request via Collaborate for volunteers for AAD Scholarship Committee membership, but no responses were received. The request will be made again.
- e. YMG - Open
- f. National Meeting Committee - Open

## 10. Executive Committee Nominations

The 2018 Professional Division Candidate slate for AAD was presented by Charles Kelsey, chair of the AAD Nominations Committee, pending each candidate's agreement to serve. Notably, the Treasurer candidate is Valeriia Starovoitova (Niowave Inc.), and the three Executive Committee candidates are Fredrik Tovesson (NNSA), Lawrence Heilbronn (University of Tennessee-Knoxville), and Blair Bromley (CNL).

There was discussion initiated by Jim Stubbins that a major obstacle to identifying people who are ANS members, or who will commit to multiple years of membership fees and conference travel. For most university people, these expenses come out of their individual research funds (and ANS costs are high).

## 11. Other Business

- a. The possibility of AAD combining with another division, e.g., fusion sciences, was discussed. Given that AAD is a small division, should we consider merging with another small division, to help consolidate and reduce the number of divisions within the ANS, to avoid some redundancy and achieve some administrative efficiencies, and increase the membership base? Although we may not ultimately merge with another division (such as FED, or other), we should begin the discussion to evaluate the advantages and disadvantages and make an informed decision. Surveying and consulting the AAD membership would be appropriate and helpful.
- b. The possibility of sponsoring an embedded topical (e.g., isotope production) in the off years from Acc App with another division was discussed.
- c. AAD needs to develop and submit its "Strategic Plan" / "Succession Plan" to ANS HQ/Board of Directors.
- d. AAD should contribute to supporting/championing one or more of the ANS Grand Challenges.
- e. There is interest by PNNL (Pacific Northwest Nuclear Laboratory) in hosting AccApp 2021. It would be an attractive location, particularly for participants from Asia. Talk to Dave Wootan (PPNL).

## AccApp17 – Quebec City, QC, Canada (July 30 – Aug. 3, 2017)

### Brainstorming Session – Closing Plenary on Friday morning, Aug. 3, 2017

Notes taken by Dr. Blair P. Bromley (blair.bromley@cni.ca)

- What did we learn?
  - PAA, medical applications of accelerators growing in importance.
- Suggestions/Comments/Ideas
  - Please provide email address and phone number of all attendees, along with affiliation and mailing address.
  - Contact information is useful to attendees.
- Try to improve synchronization of sessions and papers
  - Continue with 25-minute time slots.
  - Put in measures to discourage no-shows.
  - Maybe ask Session Chairs to have a backup presentation on standby in case there is a no-show to fill the time space.
  - Try to stick to the planned schedule.
- Poster Session Improvements
  - Some left early because of insufficient/inadequate liquid refreshments.
  - Ensure that budget is earmarked for food/drink.
  - Need to take actions to discourage no-shows.
  - Perhaps poster presenters should pay registration fee or a non-refundable deposit in advance to reserve poster space.
    - If no registration by early deadline (1 month before conference), then poster will not be included in program.
  - During Monday morning plenary, allow each poster presenter to give a 2-minute advertising speech about their poster (1 Slide, with title, name, affiliation, key idea, key conclusion). It will take 1 to 2 hours to go through all 30 posters.
  - Need more time to see posters – keep up all day on Mon/Tue or Tue/Wed?
  - Use opening plenary for advertising posters.
- Other Topics to Cover
  - Technical session dedicated to chemical separation of radioisotopes and reprocessing of targets irradiated in an accelerator facility.
  - Need to attract participants from other disciplines – radiochemists.
  - Fundamental nuclear data and measurements, such as photo-nuclear cross sections.
  - More technical tracks on nuclear data (gamma, n), etc.
  - Homeland Security / National Security applications of accelerators.
  - Environmental protection / remediation through accelerators.
  - Perhaps create a “Accelerator Applications – General” technical track.
  - Need to ensure papers are not misplaced in the wrong track.
- Other workshops and lectures
  - Organize some educational lectures or workshops, perhaps on the days before the conference starts (on Saturday and/or Sunday).

- Organize an evening lecture on various topical areas (perhaps will work if there is pre-registration).
  - Introductory workshops on Sat/Sun may work or lectures to cover the basics.
  - Overview of topics to be covered at conference.
  - Introductory lectures on nuclear physics
  - Science and technology of accelerators.
  - A forum for discussion on the use of computer simulations tools.
  - Make use of multi-media / electronic screens to demonstrate use of simulation tools, and animation.
  - Make use of LCD poster presentations – cost issue? Logistics?
- Organize overview panel discussions
    - Maybe on Thursday afternoon, where each session chair gives an overview of what was learned/covered during their technical session.
    - Would need to prepare in advance, using information provided by speakers in advance; not enough time during the conference to pull this information together into a short 15-minute presentation
- Make use of Conference “App” to provide updated schedule instantaneously.
    - Caveat: not everyone is going to be looking at their personal Smartphone / I-Phone continuously during the conference.
- Reduce Costs of Conference Attendance
    - Look for more sponsors.
    - Reduce registration fee for early registrants.
    - Pick venue/city with lower flight and hotel costs.
    - Get other societies to be sponsors, or organizational co-sponsors.
- Modifications to Advertising
    - Get rid of “nuclear” in title. Focus on “Applications of Accelerators.
- Reduce overlap between plenary speakers
    - Ask them to coordinate; share notes; reduce some of the redundancy.
    - Will require more effort by the session chairs or plenary chairs.
    - Have an overview talk for first speaker; remaining speakers can be more specific.
- Hold Press Conference / Press Release
    - Advertise key topics and lessons learned at conference.
    - Invite science journalists to attend AccApp
- Hold Public Talks / Seminars in conjunction with Conference
    - Maybe make one conference plenary session open to outsiders; pre-registration may be necessary.
    - Can we collaborate with a university? Maybe dedicate one afternoon or evening to university lectures.
- Reduce overlap in papers and technical sessions
    - Review further the papers submitted; move papers around to different sessions for better alignment.
    - Set up a “marketplace” for papers.

- Better coordination with session and panel chairs
  - Some session chairs were “no shows”.
  - Need preventative measures to ensure session chairs will show up. Not sure what can be done here.
  - Perhaps need session chairs to register in advance.
- Questions to ponder for AccApp Community:
  - What data do we need?
  - What experiments do we need?
  - What are the other / alternative funding sources for research?
  - What business partnerships could we form?
- Modifications to Technical Sessions
  - Reduce number of parallel sessions to just 2 to ensure good attendance in each.
  - Reduce length of plenary sessions to accommodate.
  - Run technical sessions a bit longer in the day to accommodate.
  - Use more poster sessions.
- Modifications / improvements to poster sessions
  - Hold poster sessions for two days (Monday/Tuesday night or Tuesday/Wednesday night).
  - Put up posters in the morning, leave up all day; poster presenters at posters during evening session.
  - Pick a venue that has room large enough to accommodate both posters and Vendor Booths in same space, and in area of coffee break.
- Spreading the word about AccApp
  - Need to reach out to radiochemists, and other disciplines to participate and attend.
  - Continue with “invited” speakers; makes it easier for individuals to get travel support from their employers and travel visas.
- Preventing problems with travel visas
  - Warn participants further and more emphatically about applying for travel visas far in advance (at least 6 months before conference) – at the same time that abstracts are submitted/approved...in Feb/Mar, if conference is held in August.
- Provide Overview / Summary Review of Conference
  - Do it on late Thursday afternoon or early Thursday evening (4:00 to 6:00 pm).
  - Topic organizers could give summary of presentations/papers given.
  - This would be part of closing plenary.
  - Option to bring in media or science journalists.
  - An overview at the beginning and at the end of the conference may be helpful.
- Archive Lessons Learned and Brainstorming ideas of ANS AccApp website.
  - Need to keep permanent record for future.
  - Maintain institutional memory.
  - Distribute information to all conference participants.
- Shift to using USB instead of DVD/CDs for conference proceedings.
  - Provide website link for any updates/changes to program

- Improvements for Vendor Expo
  - Keep it open for 4 days (Sun/Mon/Tue/Wed).
  - Put it in the same place as coffee breaks and poster session.
  - Pick a venue with a large enough room to accommodate both vendors and poster session.
    - Or, give vendors a poster slot as well?
  - Allow vendors to speak for 2 to 5 minutes during an opening plenary session (2 slides per vendor).
    - Will likely require 1 to 2 hours to cover all vendors.

Appendix A

Thank you from 2017 ANS National Student Program

**From:** Travis Dietz <[tcdietz@umd.edu](mailto:tcdietz@umd.edu)>  
**Subject:** Thank you  
**Date:** December 10, 2017 at 3:19:29 PM CST  
**To:** <[ronninge@msu.edu](mailto:ronninge@msu.edu)>

Dear Dr. Ronningen,

As the student co-chair for the ANS Winter Meeting and Expo, I wanted to offer my thanks for the Accelerator Applications Division's generous support of the 2017 ANS National Student Program. Without this support, many students including myself would have had a difficult time attending the conference and would have missed out on an excellent opportunity to engage and learn from other experts in their field.

After I graduate from the University of Maryland this December, I'm looking forward to attending more ANS meetings as a professional member. Hopefully I will get the chance to meet you there again in person.

May you have a very Happy Holidays and an Exciting New Year!

Sincerely,

Travis Dietz  
Ph.D.  
ENMA - Materials Science and Engineering  
University of Maryland - College Park

## Treasurer's Report

2018 Budget Template for Accelerator Applications Division					
	2016	2017	2017	2018	
	Actual	Budget	Actual through 3/31/2017	Proposed	
<b>Balance Forward from Previous Year</b>	\$34,576	\$33,706	\$33,706	\$30,240	based on 2016 year end actual
<b>Budget Funds</b>					
Member Dues Allocation (\$2/member)	\$630	\$284	\$300	\$542	Based on member count (271) as of September 15, 2017
Division Income					1/4 yr member count as of Dec 2017
<b>Total Income</b>	\$630	\$284	\$300	\$542	
<b>Budget Expenses</b>					
Newsletters, Website					
Awards & Plaques					
National Meeting Costs					
Topical Meeting Costs					
Division Officer Expenses					
Student Support	\$1,500	\$1,500	\$2,000	\$2,000	Student Conference awards
Future Activity					
Scholarship/NEED Funding					
YMG Support				\$1,000	YMG support via e.g. Best Paper award, travel awards
Other Expenses		\$2,250			
<b>Total Expenses</b>	\$1,500	\$3,750	\$2,000	\$3,000	
<b>Net</b>	(\$870)	(\$3,466)	(\$1,700)	(\$2,458)	
<b>Total Year End Funds</b>	\$33,706	\$30,240	\$32,006	\$27,782	

**Accelerator Applications Division Executive Committee Meeting**  
**Marriott Wardman Park Hotel**  
**Washington DC**  
**October 2017**



Name	Initial when present
Only those listed below are voting members of your division	
Reginald Ronningen, Chair	RMR
William Horak, Secretary	WCH
Gregory Dale, Treasurer	
Charles Kelsey, Immediate Past Chair	CK via skype RMR
Todd Allen, Board Liaison	
Gary Barbin	
Alexander Barzilov	-Proxy - Charles
Philip Cole	Proxy - Noel
John Galambos	
Mohamed Gohar	MG via skype RMR
Richard Lanza	
Michael Mocko	Yes →
Ross Radel	Horak - Proxy
Lin Shao	
<b>Others, please PRINT in</b>	(if there is not enough space, feel free to use the other side)
<b>Name</b>	<b>E-mail</b>
BLAIR BRAMLEY	blair.bramley@cnl.cq
DAVID FRAZER	dave.frazer@berkeley.edu
David Wootan	david.wootan@parl.gov
Jim Stubbs	jstubbs@illinois.edu

Article B10.2 - A quorum for the transaction of business at all Division (or TG) meetings shall consist of fifteen (15) qualified voters or twenty (20) percent of the qualified voters.