

Executive Committee Meeting Minutes
ANS Mathematics and Computation Division
2020 Annual Meeting

Wednesday, June 3, 2020 – 12:00-2:00 pm
Virtual Meeting via Zoom

Proxies assigned for this meeting:

Dave G. has proxy for Sandra Dulla

Kendra K. has proxy for Travis Trahan for part of the meeting he cannot attend

Brian K. has proxy for Chris Perfetti

I. Call to Order, Attendance, Introductions

- *Dave G. called the meeting to order at 12:04 PM ET. The attendance was taken virtually and is attached in Attachment A. We had quorum.*
- *Craig P. joined our meeting so welcome to Craig.*

a. Announcement of new officers and EC members

- *Congratulations to our new officers for 2020/2021: Nick Gentile (VC), Brian K. (Secretary), Madicken Munk (Treasurer)*
- *Thanks to Brian K. and Tara P. for their service to MCD these past two years*
- *Congratulations to our new 2020/2021 EC members: Katy Huff, Barry Ganapol, Pete Maginot*

II. Update on the 2020/2021 ANS Student Conference – Ishita Trivedi (NCSU)

- *Ishita could not attend so Edward Chen and Jacob Weingberg gave the update*
- *Thanks to MCD for keeping our \$2500.00 commitment for 2021 with \$250 for an MCD paper award*
- *The same events planned for 2020 will be kept for 2021*
- *If you would like to be a judge/reviewer please send an email to organizing committee. A Google form will be sent out shortly that can be filled out to sign up.*
- *The flyer and prospectus are attached in Attachment B.*

III. Officer Reports

a. Secretary: Tara Pandya

i. Approval of minutes from 2019 Winter Meeting in Washington, D.C.

These minutes were approved by electronic vote on December 4, 2019 with 12 approvals (Matt C. motioned and Brian K. seconded)

ii. Approval of agenda

Brian K. motioned to approve this agenda, Kat R. seconded, it was approved unanimously

iii. Review of electronic votes conducted since last meeting

No electronic votes were conducted since the 2019 winter meeting (besides the minutes approval)

Tara will work with Brian K to transition to Secretary

b. Treasurer's Report: Brian Kiedrowski

- *Brian K. reviewed the report attached as Attachment C. Bill Martin sent a \$1500.00 check for the Gelbard and Marv Adams is also sending \$1500.00 for the Gelbard.*

- *Brian will work with Madicken to transition to Treasurer*
- c. Vice-Chair – Roundtable: Bob Grove**
Roundtable is scheduled for Monday June 8 at 1 PM ET. Title is Challenges in Large Scale Modeling and Simulation for Nuclear Systems with 5 panelists: 2 ORNL, 2 LLNL, 1 LANL
- d. Chair: David Griesheimer**
 - i. President’s Meeting with Professional Division and Committee Chairs report**
 - *After the review of national ANS, there was a reduction of 6 FTE ANS staff*
 - *The communications and IT services have been outsourced*
 - *There is a new ANS website, a Nuclear News redesign, and Nuclear News Wire with daily news*
 - *OPD gave \$150K to headquarters to update IT*
 - *YMG has been very active in adding new webinars*
 - *The utility working conference has been made virtual*
 - *The plenary speaker sessions at the ANS annual meeting next week will be professionally produced*
 - *The rewrite of the meeting manual has been postponed*
 - *The division will receive 25% net income/loss from organizing meetings*
 - *Headquarters must and will help with organizing meetings*
 - *The division can also get 50% of sponsor revenue over 110% above the previous meetings sponsors*
 - *Craig re-iterated Dave’s updates*
 - *Craig said they are trying to move everything to the web (as much as possible)*
 - *Craig said to send any MCD news articles they want to Newswire*
 - *Brian thanked Craig for coming to our EC meeting*
 - *Brian asked Craig what ANS is doing regarding diversity and inclusion?*
 - *Craig has committed to being a champion for gender equality policies and the changes ANS will be making will be coming out soon*
 - *ANS is not shifting to an activist policy but being more deliberate and active*
 - *ANS is planning to start collecting more demographic data on its members*
 - *Craig left the meeting*

IV. Standing Committees

a. Benchmark: Chris Perfetti and Sebastian Schunert

- *Sebastian gave the update*
- *Barry Ganapol submitted a benchmark document and Sebastian is reviewing the pull request to the github repo*
- *We would like to put inputs along with documents on the github site*
- *We need to seek legal guidance for each code regarding posting input files*
- *Miriam volunteered to make OpenMC input decks*
- *Based upon our conversation from the winter meeting, we would like for there to at least be an index of reference benchmarks by subject areas*

- Sebastian will start following up and creating a documentation trail on which code inputs we can put on the repo
- Dave gave an update that Chris sent him: Chris has a bunch of analytic inputs he hopes to upload soon along with the ACE data if possible

b. Finance: Brian Kiedrowski

No different updates from the Treasurer report above. Why do we even have a Finance standing committee?

c. Honors and Awards: Piero Ravetto

- Piero was not in attendance so Dave gave an update
- Since MC2021 is coming up, everyone needs to be actively seeking and nominating candidates for our 3 awards: Pomraning, Young Member, and Service
- Farzad mentioned he thinks the only impediment to nominating someone is the assumption that EC needs to put forth the names which is not true
- Tara will contact Piero for any further updates

d. Standards: Paul Hulse

- Paul was not in attendance but Tara will follow up to get any updates
- Dave mentioned if anyone is interested in getting involved with the standards committee to please contact Paul or one of the officers.

e. Membership: David Griesheimer

Dave gave an update and reviewed the membership as of Dec. 2019 by going over the Attachment D.

V. Program Committee Report: Steven Hamilton and Brian Kiedrowski

- Welcome to Brian K. as the new head TPC after this meeting; Steven will move to Assistant TPC
- The best summary award from the 2019 winter meeting went to Kalin and Paul
- The summary deadline for the 2020 winter meeting is July 1 and this is more of a hard deadline than previous years
- We have the typical sessions planned for the winter meeting with a special panel session on reduced order models (ROM)
- Steven and Brian will be putting together the solicitation for bids for MC2023 which is planned to be an international meeting
- Matt C. asked if the ANS changes affect MC2023. Since this will be a Class IV meeting, things should be the same as previous international meetings.

a. Update on technical program for this conference

- Steven reviewed the 5 technical sessions and 1 roundtable scheduled for next week; all will be held virtually on the ANS Zoom platform

b. Update on M&C 2021, Raleigh, NC – Dmitriy Anistratov

Dima gave the update on the planning and organizing of MC2021:

- National ANS signed the contract with the hotel/venue
- The website is active; please let them know if you see any issues with it
- The call for papers is out
- There are 127 members on the TPC
- A good student program is being put together
- August 3 is the summary deadline, with full paper deadline of November 23 and final acceptance to authors by January 11, 2021
- The TPC will do assignment of reviewers for summaries and full papers
- See Attachment E for the update given to the NPC

VI. MCD Scholarships

a. Announcement of MCD scholarship winners – Scott McKinley

Scott was unable to join so Dave gave the update

- *We had 12 applicants for the Dannels and 10 applicants for the Gelbard*
- *Dannels went to Alexander Perry*
- *Gelbard went to Michael Hua*
- *Bob mentioned there is a good amount of overlap in applicants to the RPD, RPSD, and MCD scholarships*
- *Bob mentioned, should we restrict the winners to not include past winners?*
- *Bob will draft some wording and send it to the EC*
- *If you are interested in being on the scholarship selection committee, let Bob and Scott know*

b. Gelbard funding status – David Griesheimer

- *See Attachment F for the Gelbard funding status as of Dec. 2019*
- *We got the M&C 2019 fundraiser funds which were around \$6900.00*
- *As Brian mentioned we also got \$1500.00 from Bill Martin and \$1500.00 coming from Marv Adams*
- *Depending on how the investments do, it looks like this scholarship is fully funded!*
- *So what should we do next? Dave noted that we have over \$100,000.00 in the Dannels fund and that is growing by a private benefactor each year. Since we only give out one award of \$3000 each year we should consider giving out more awards each year.*
- *We should also write a thank you note to the benefactor of Dannels on behalf of the division. Tara and Dave will follow up with Daryl Rizzo to coordinate sending a thank you letter to Ms. Tyreman.*

VII. Discussion on the Future of MCD: David Griesheimer

a. Update on recent ANS changes affecting the Division

b. Expanded use of virtual meetings and webinars

- *At the winter 2019 meeting Miriam mentioned hosting some type of TED talk webinar to engage students and new members to MCD, and YMG is looking to start hosting webinars related to this type of format*
- *Miriam volunteered to liason with YMG regarding what format and topics they had in mind*
- *Is it going to cost \$?*
- *Send topics and speaker ideas to Miriam*
- *We need to find good engaging speakers that would be good for this type of format*

c. Expectations for future M&C topical meetings

- *As Dave moves on to Past Chair, he is in charge of the nominating committee and has put a call out for people to self-nominate. He would like 5-6 candidates for EC and also for Vice-Chair for the next election cycle. Email your nominations to Dave.*
- *Bill Martin is an associate editor for NSE. Applicants are still being reviewed for the editor position and Michael Corradini is the acting director. There is now an editorial board for NSE with good representation from MCD.*

VIII. New Business

- *Bob thanked Dave for his service as Chair of MCD this past year and dealing with all of the changes and craziness. We all gave a virtual round of applause for Dave. We hope to award him the usual plaque with gavel in person soon!*
- *Brian K. mentioned that we should keep in mind how we are going to keep diversity and inclusion pro-actively in our minds and actions as a division.*
- *Follow on discussions occurred amongst the officers regarding working with the DIA to craft a message about diversity and inclusion on behalf of MCD and to come up with some useful resources (including those located here: <https://www.ans.org/communities/diversity/resources/>). We hope to post this on our MCD website as well as send out to the listserv. We will also appoint someone on the MC2021 organizing committee to work with the DIA on making sure to address these issues with actions and statements at the upcoming meeting.*

IX. Adjourn

Brian K. motioned to adjourn, Sebastian seconded, and the motion passed unanimously at 2:01 PM

Virtual Attendance

Officers Present

Chair - David Griesheimer (Dave G.)
Vice-Chair – Robert Grove (Bob G.)
Treasurer – Brian Kiedrowski (Brian K.)
Secretary – Tara Pandya (Tara P.)
Past Chair – Dmitriy Anistratov (Dima A.)

EC Members Present

Kendra Keady
Katherine Royston
Sebastian Schunert
Travis Trahan

Others Present

Craig Percy
Bill Martin
Bojan Petrovic
Brendan Kochunas
Tim Kelley
Dean Wang
Farzad Rahnema
Forrest Brown
Nick Gentile
Madicken Munk
Massimiliano Rosa
Matt Cleveland
Paolo
Peter Maginot
Sherry Bailey
Steven Hamilton (TPC)
Thomas Sutton
Todd Urbatsch
Xu Wu
Yousry Azmy
Zeyun Wu



ANS American Nuclear Society Student Conference 2021

April 8th-10th, 2021

Raleigh Marriott City Center

Attachment B Raleigh, NC



ENLIGHTEN | EMBRACE | EMPOWER

Email: ans2021studentconference@ncsu.edu



American Nuclear Society
North Carolina State University

NC STATE
UNIVERSITY

**Nuclear
Engineering**

“#1 Online Master of Nuclear Engineering in 2018”

- *Best College Reviews*

“#3 Nuclear Engineering Graduate Program in 2020”

- *US News and World Report*





ANS

Student Conference 2021 North Carolina State University



Nuclear
Engineering

April 8-10, 2021 | Raleigh Marriott City Center | Raleigh, North Carolina



Sponsorship & Exhibition Prospectus



American Nuclear Society
North Carolina State University

April 8th-10th, 2021

Raleigh Marriot City Center

Raleigh, North Carolina

ENLIGHTEN | EMBRACE | EMPOWER

Greetings from the 2021 Planning Committee

Dear Prospective Sponsors and Exhibitors,

We in the Department of Nuclear Engineering and American Nuclear Society at North Carolina State University are eagerly looking forward to April 2021 when we will host students, professionals, and the future leaders in nuclear science and technology at the 2021 ANS Student Conference in Raleigh, North Carolina.

Due to the COVID-19 outbreak, the student conference was rescheduled from its original March 2020 dates, however the organizing team and ANS National are working hard to smoothly transition all plans to the new 2021 dates. We thank all those who were involved in the initial planning phases, including all sponsors and exhibitors, and we hope we can count on your help for planning a successful student conference in 2021. Additionally, if you previously committed sponsorship, the various levels will remain the same and be honored for the 2021 conference.

At North Carolina State University, we aim to...

... **ENLIGHTEN** ourselves about nuclear science and technology as we share and contribute to the field. This student conference brings us together to share insight from student and expert researches on theories, applications, and innovations. Nuclear science and engineering is ubiquitous in society – from energy, health, defense, non-proliferation, to name a few. In such a widespread field, this conference provides the perfect platform for experts and students to come together and learn about the various ongoing cutting-edge research in different areas of nuclear science and engineering. In the year 2021, we aim to take stock of what we know, what we still need to know, what opportunities are present, and what the future holds.

... **EMBRACE** nuclear science and technology. As we learn, we must support our industry by contributing knowledge and impacting the next frontiers. We hold tight innovations to advance science and engineering across every existing and new industry that nuclear will transform.

... **EMPOWER** ourselves and others with knowledge and enthusiasm for the impact made by nuclear technologies of the past, present, and future. We will change the “not in my backyard” mantra to one of “in my backyard” because of the benefits it provides to societies near and far.

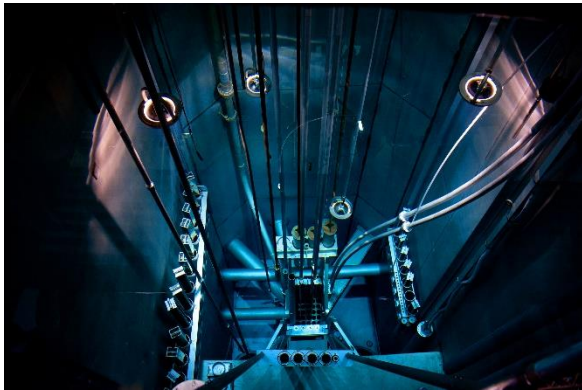
This theme allows us to see our collective role in active learning, living, and sharing of the science engineering and technologies associated with nuclear energy, health physics, plasmas for the life sciences, nuclear non-proliferation, nuclear materials, nuclear computational science, reactor engineering, and nuclear waste management to name a few broad areas. It also arms us with information to share with students and the larger public about the benefits we receive from nuclear science and engineering. We’re nuclear engineers, we’re innovators, and we’re ambassadors for the continued use of an awesome technology in our backyards!

NC State marked the 70th year for its nuclear program in 2020, which, further emphasizes the significance of hosting the ANS Student Conference on-campus to help celebrate this milestone. We enlighten ourselves with our history, embrace our present and empower ourselves as we move ahead.

We ask you to review our sponsorship and exhibitor packages to determine if any options fit your organization's needs to Enlighten, Embrace, and Empower the next generation of nuclear science and technology leaders. We look forward to working with our sponsors and exhibitors to make the 2021 ANS Student Conference the best in the department's history!

Sincerely,

Ishita Trivedi
General Chair



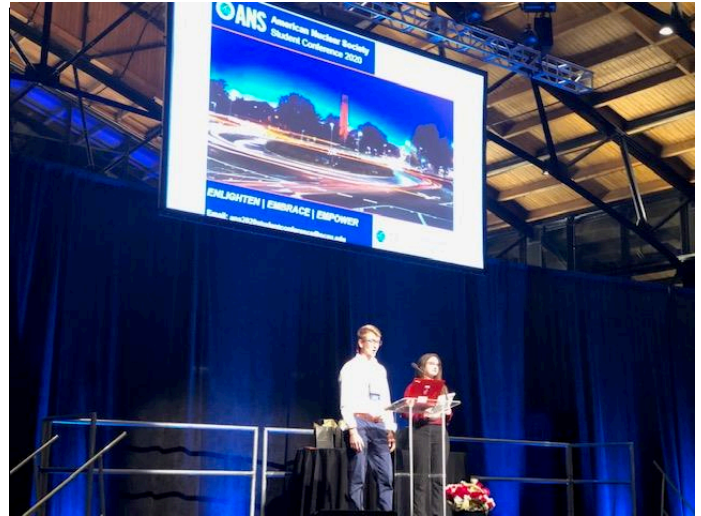
“#1 Online Master of Nuclear Engineering in 2018”
- Best College Reviews

“#3 Nuclear Engineering Graduate Program in 2020”
- US News and World Report



Benefits of Sponsorship

The ANS student is the largest single gathering of students studying fields of nuclear science and technology. The ANS student conference provides an opportunity for students to enlighten their peers by showcasing their research results. Additionally, it provides a chance for students to embrace the capabilities of nuclear science and technology through tours of nuclear reactors, fuel fabrication facilities, and more. Finally, it empowers students through invaluable professional development opportunities for students to meet and network with other students, future colleagues, and current industry professionals.



These wonderful opportunities for students attending the conference would not be possible without the generous assistance of conference sponsors. As thanks, our conference provides as much exposure and networking opportunities as possible for sponsors to interact with the best and brightest aspiring scientists and engineers. Sponsorship options are tailored towards each individual company's needs while maximizing company visibility and networking opportunities. Sponsors should pride themselves on the fact that they are supporting the next generation of scientists and engineers by helping students exchange ideas and forge friendships that last a lifetime.

For your company's or organization's investment in the future of nuclear science and technology, we offer several sponsorship options various benefits. Benefits include a booth at the conference career fair, waived registrations ad space, lunch and learn recruiting talks, and for our Platinum Leaders of the Pack, the opportunity to deliver the keynote address at one of the nightly conference dinners. For those organizations looking to participate in the conference without being a sponsor, we offer several different exhibition packages as well.



Platinum Leader of the Wolfpack \$35,000

**Bronze Leader of the Wolfpack
\$10,000**

**Gold Leader of the Wolfpack
\$20,000**

**Silver Leader of the Wolfpack
\$15,000**

**Registration Tote Bags
\$7,500**

**Logo on T-Shirt
\$2,500**

**Conference Notepads
\$4,500**

**Conference Lanyards
\$3,500**

**Companion of the Pack
\$2,500**

**Member of the Pack
\$5,000**

**Red Wolf Exhibitor
\$10,000**

**Arctic Wolf Exhibitor
\$5,000**

**Grey Wolf Exhibitor
\$2,500**

Sponsorship Packages

Platinum Leader of the Wolfpack (\$35,000)

- Recognition as the alpha sponsor of the conference
- Opportunity to deliver keynote address at a conference dinner of preference
- Full page advertisement in program inside front page or back cover
- Entire tech. section sponsorship
- Two full career fair booths,
- Five waived full-meeting registrations
- Award ceremony sponsorship
- One tour or social sponsorship
- Advertisement via giveaways

Gold Leader of the Wolfpack (\$20,000)

- Opportunity to deliver keynote address at a conference dinner
- Full page ad in conference program
- Entire tech. section sponsorship
- 1 Career Fair booth
- Three waived registrations
- Advertisement via giveaways
- Sponsor Recognition

Silver Leader of the Wolfpack (\$15,000)

- Half page advertisement in conference program
- Sponsorship of lunch & learn session or two tours
- 1 social or technical sponsorship
- 1 Career Fair booth
- Two waived registrations
- Advertisement via giveaways
- Sponsor Recognition

Bronze Leader of the Wolfpack (\$10,000)

- Advertisement in conf. program
- Panel or workshop sponsor
- Breakfast or tech. session sponsor
- Career Fair booth
- Two waived registrations
- Sponsor Recognition

Member of the Wolfpack (\$5,000)

- Coffee break, panel, or workshop sponsor
- Career Fair booth
- One waived registration
- Sponsor Recognition

Companion of the Wolfpack (\$2,500)

- One table at conference networking dinner
- Sponsor Recognition

Supporter of the Wolfpack (\$1,000)

- Sponsor Recognition

Exhibitor Packages

Red Wolf Exhibitor (\$10,000)

- Participation in the career fair
- Fees waived for two full conference registrations
- Table at the networking dinner
- Recognition as a conference exhibitor

Arctic Wolf Exhibitor (\$5,000)

- Participation in the career fair
- Fees waived for one full conference registration
- Table at the networking dinner
- Recognition as a conference exhibitor

Grey Wolf Exhibitor (\$2,500)

- Participation in the career fair
- Fees waived for one full conference registration
- Recognition as a conference exhibitor

Add-on Packages



Note: the sponsorship add-ons must be added to a main package



SPONSOR & EXHIBITOR INTEREST FORM

Invoice Information

Company/Organization: _____

Contact Name: _____

Contact Email: _____ Phone: _____

Street/PO Address: _____

City: _____ State: _____ Zip Code: _____

Sponsorship and Exhibitor Packages

Platinum Leader of the Pack (\$35,000)

- Recognition as the alpha sponsor of the conf.
- Choice dinner sponsor with keynote speaker
- Full page ad front/back cover
- Entire tech. section sponsorship
- Two full career fair booths
- Award ceremony sponsorship
- One tour or social sponsorship
- Five Waived full-meeting registrations
- Advertisement via giveaways

Gold Leader of the Pack (\$20,000)

- Opportunity to deliver keynote address at a conference dinner
- Full page advertisement in conference program
- Entire technical section sponsorship
- Career Fair booth
- Three waived registrations
- Advertisement via giveaways
- Recognition as a sponsor

Silver Leader of the Pack (\$15,000)

- Half page advertisement in conference program
- Sponsorship of lunch & learn session or two tours
- 1 social or technical sponsorship
- Career Fair booth
- Two waived registrations
- Advertisement via giveaways
- Recognition as a sponsor

Bronze Leader of the Pack (\$10,000)

- Advertisement in conference program
- Panel or workshop sponsorship
- Breakfast or technical session sponsorship
- Career Fair booth
- Two waived registrations
- Recognition as a sponsor

Member of the Pack (\$5,000)

- Coffee break, panel, or workshop sponsorship
- Career Fair booth
- One waived registration
- Recognition as a sponsor

Companion of the Pack (\$2,500)

- One table at conference networking dinner
- Recognition as a sponsor

Supporter of the Pack (\$1,000)

- Recognition as a sponsor

Red Wolf Exhibitor (\$10,000)

- Participation in the career fair
- Fees waived for two full conference registrations
- Table at the networking dinner
- Recognition as a conference exhibitor

Arctic Wolf Exhibitor (\$5,000)

- Participation in the career fair
- Fees waived for one full conference registration
- Table at the networking dinner
- Recognition as a conference exhibitor

Grey Wolf Exhibitor (\$2,500)

- Participation in the career fair
- Fees waived for one full conference registration
- Recognition as a conference exhibitor

Please fill out form and return to Finance Chair – Jacob Weinberg - ans2021studentconference@ncsu.edu



Add-On Packages

Registration Tote Bags (\$7,500)

- Opportunity to sponsor tote bags for conference
- Company logo featured on bag
- Excellent exposure for brand
- Any inserts provided by organization can be included inside

Conference Lanyards (\$3,500)

- Full sponsorship of conference lanyards included in every registration packet
- Company logo and name featured on front

Registration Bag Insert (\$1,500)

- Ability to include flyer or other piece of advertisement in registration tote bag

Conference Notepad (\$4,500)

- Sponsor of conference notepads included with every registration packet
- Features company logo and name

Conference T-Shirt Logo (\$2,500)

- Advertisement of company logo and name on conference t-shirts

Please fill out form and return to Finance Chair – Jacob Weinberg
ans2021studentconference@ncsu.edu

ANS Winter 2019 Meeting MCD Treasurer's Report**MCD Fund Summary****Current Fund: \$31,574****2019 Carryover:** \$31,824

Income:

Membership \$1,263

M&C \$9,423

Reduction by 50% by ANS

Down from \$12k initial projection because of retroactive cost-sharing changes, but significantly better than anticipated in November (~\$6k)

Expenses \$5,244

See January statement for breakdown

ANS did not send March statement

Estimated 2020 Income:

Membership \$1,265

Total: \$1,265**2020 Expenses:**

Student Award \$250

Awarded to Kalin Kiesling for Winter 2019 meeting

Total: \$250**Estimated 2020 Expenses:**

Awards \$600

Student \$2,500

Scholarship \$2,000

Contingency \$500

Provided \$2,500 to NC State student conference

Total: \$5,600**Estimated 2020 Carryover: \$27,239****Discussion**

- MCD budget appears sustainable, but spending will need to continue to be lower than previous years to maintain the budget.
- Membership due allocation was reduced by ANS by 50%.
- M&C was a financial success despite fears in November that it was not. MCD made about 25% less than past M&C conferences.
- MCD already funded the 2020 NC State Conference, which is postponed to 2021
- Need to check Gelbard status, but fundraisers appear to have been successful
- Uncertainties with COVID-19 for M&C 2021 and future model for how ANS handles funding for divisions

Attachments

1) MCD December 2019 Financial Statement from ANS

2) MCD 2020 Budget

AMERICAN NUCLEAR SOCIETY
 Mathematics Computation Division
 12/31/2019

| | <u>Actual</u> | <u>Budget</u> | |
|---------------------------------|---------------|---------------|----------------|
| | 12/31/2019 | 12/31/2019 | Variance |
| Revenues | | | |
| Dues Revenue Allocation | \$1,263 | \$2,388 | (\$1,125) |
| Meeting Revenue | 9,423 | 12,952 | (3,529) |
| Total Revenue | 10,686 | 15,340 | (4,654) |
| Expenditures | | | |
| Awards, Plaques | 888 | 1,500 | (613) |
| National Meeting Costs | | 1,500 | (1,500) |
| Student Support | 2,500 | 3,500 | (1,000) |
| Scholarship & NEED Funding | 855 | 2,500 | (1,645) |
| Other Expenses | 1,001 | | 1,001 |
| Total Expenditures | 5,244 | 9,000 | (3,756) |
| Net Surplus/(Deficit) | 5,442 | 6,340 | (898) |
| Fund Balance at 1/1/19 | 26,382 | 26,382 | - |
| Fund Balance at 12/31/19 | 31,824 | 32,722 | (898) |

AMERICAN NUCLEAR SOCIETY
 Mathematics Computation Division
 12/31/2019

| | <u>Actual</u> <u>12/31/2019</u> | <u>Budget</u> <u>12/31/2019</u> | <u>Variance</u> |
|--|------------------------------------|------------------------------------|-----------------|
| Revenues | | | |
| Dues Revenue Allocation: | | | |
| MEMBERSHIP DUES ALLOCATION | 1,263 | 2,388 | (1,125) |
| Total Dues Revenue Allocation | <u>1,263</u> | <u>2,388</u> | <u>(1,125)</u> |
| Meeting Revenue: | | | |
| 2019 MATH & COMP MEETING REVENUE | 9,423 | 12,952 | (3,529) |
| Total Meeting Revenue | <u>9,423</u> | <u>12,952</u> | <u>(3,529)</u> |
| Total Revenue | 10,686 | 15,340 | (4,654) |
| Expenditures | | | |
| Awards, Plaques: | | | |
| ANNUAL MEETING PLAQUES - CROWN TROPHY | 73 | 1,500 | (613) |
| 2019 MCD AWARD - RYAN MCCLARREN | 500 | | |
| 2019 ANNUAL MEETING - EMILY VU | 250 | | |
| WINTER MEETING PLAQUES - CROWN TROPHY | 65 | | |
| Total Awards, Plaques | <u>888</u> | <u>1,500</u> | <u>(613)</u> |
| National Meeting Costs: | | | |
| | | 1,500 | (1,500) |
| Total National Meeting Costs | | <u>1,500</u> | <u>(1,500)</u> |
| Student Support: | | | |
| 2019 STUDENT CONFERENCE SPONSOR | 2,500 | 3,500 | (1,000) |
| Total Student Support | <u>2,500</u> | <u>3,500</u> | <u>(1,000)</u> |
| Scholarship & NEED Funding: | | | |
| GELBARD SCHOLARSHIP FUNDING | 855 | 2,500 | (1,645) |
| Total Scholarship & NEED Funding | <u>855</u> | <u>2,500</u> | <u>(1,645)</u> |
| Other Expenses: | | | |
| 2019 YOUNG PROFESSIONAL CONGRESS SPONSOR | 1,000 | | 1,001 |
| PRINTING ALLOCATION | 1 | | |
| Total Other Expenses | <u>1,001</u> | | <u>1,001</u> |
| Total Expenditures | 5,244 | 9,000 | (3,756) |
| Net Surplus/(Deficit) | 5,442 | 6,340 | (898) |

| 2020 Budget Template for Mathematics & Computation Division | | | | |
|---|------------------|----------|--------------------------|------------------|
| | 2018 | 2019 | 2019 | 2020 |
| | Actual | Budget | Actual through 3/31/2019 | Proposed |
| Balance Forward from Previous Year | \$28,206 | \$26,382 | \$26,382 | \$32,722 |
| Budget Funds | | | | |
| Member Dues Allocation (\$2/ full dues member; \$1 / reduced dues member) | \$2,388 | \$2,388 | \$318 | \$1,272 |
| Division Income | | \$12,952 | | |
| Total Income | \$2,388 | \$15,340 | \$318 | \$1,272 |
| Budget Expenses | | | | |
| Newsletters, Website | | | | |
| Awards & Plaques | \$65 | \$1,500 | | \$600 |
| National Meeting Costs | \$750 | \$1,500 | | |
| Topical Meeting Costs | | | | |
| Division Officer Expenses | | | | |
| Student Support | \$2,700 | \$3,500 | \$2,500 | \$2,500 |
| Future Activity | | | | |
| Scholarship/NEED Funding | \$689 | \$2,500 | \$855 | \$2,000 |
| YMG Support | | | | |
| Other Expenses | \$8 | | \$1,000 | \$500 |
| Total Expenses | \$4,212 | \$9,000 | \$4,355 | \$5,600 |
| Net | (\$1,824) | \$6,340 | (\$4,037) | (\$4,328) |
| Total Year End Funds | \$26,382 | \$32,722 | \$22,345 | \$28,394 |



M&C 2021

Renaissance Raleigh, North Carolina

April 11-15, 2021

Status Report to NPC: June 3, 2020

Yousry Azmy

Attachment D

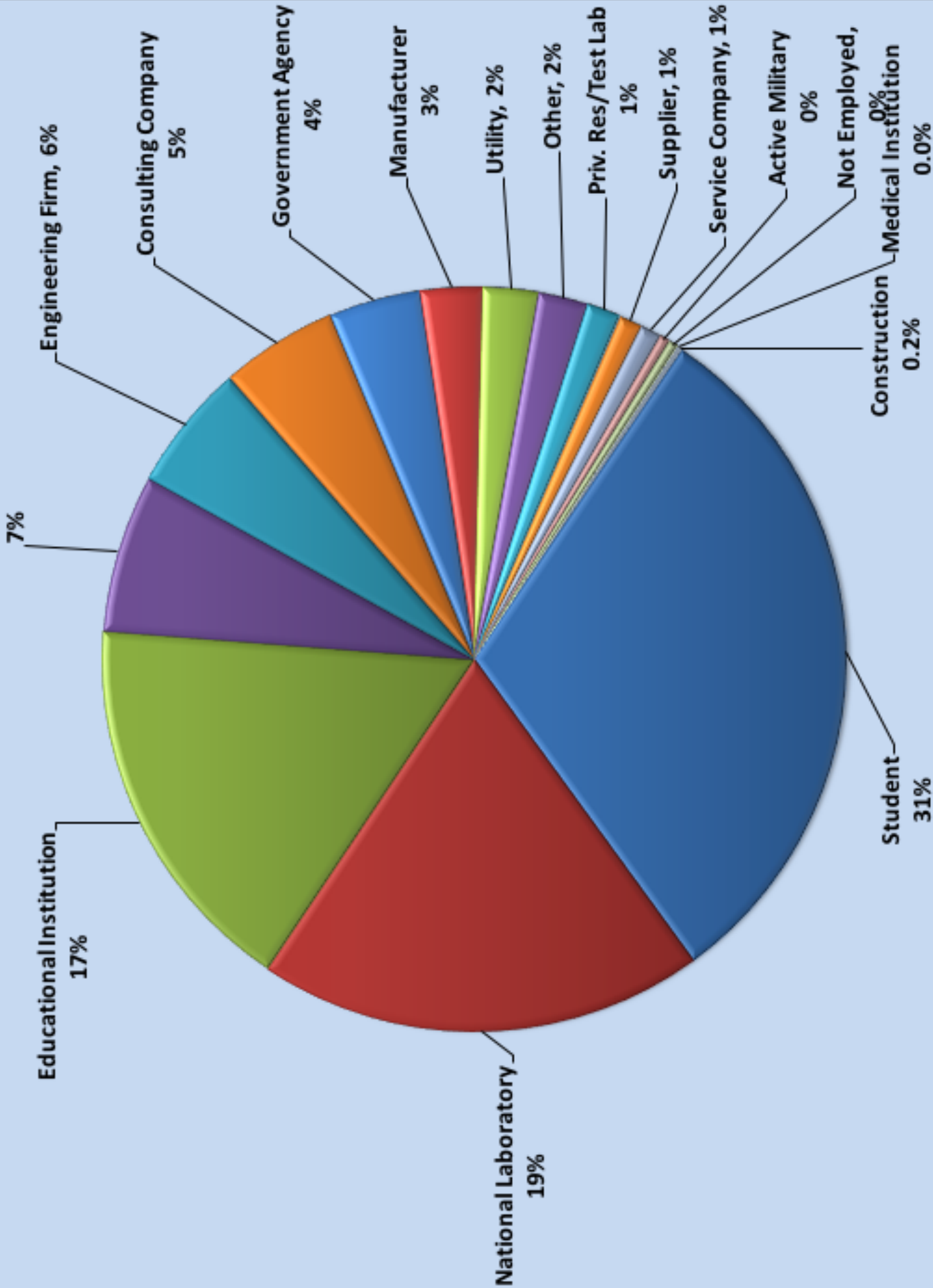
Update to NPC in Summer Meeting

- ❖ All Committees now populated & functioning – monthly virtual meetings of organizing committee
- ❖ We are on schedule completing items listed in ANS Conference Manual:
 - Technical Program Committee: 126 members (including 21 international) appointed so far & continuing
 - Website is up and links are being populated regularly
 - Established registration fee categories: standard; working on tours & hospitality events
 - Publication plan: Final plan approved; Word & LaTeX templates available on website
 - Student Program: under construction; includes technical tours & professional development workshop
 - Hotel contract: approved and signed
 - Three workshops so far, free of charge
- ❖ Appointed Contingency Plan Subcommittee to consider options in case of continued disruption:
 - Developed options ranging from standard F2F all the way to all virtual event
 - Effect on international participation
 - Implications to registration fee schedule & Conference revenue
 - Need to invest in technical support and software in order for smooth delivery of the virtual sessions
 - Learn lessons from other ANS meetings between now and April 2021

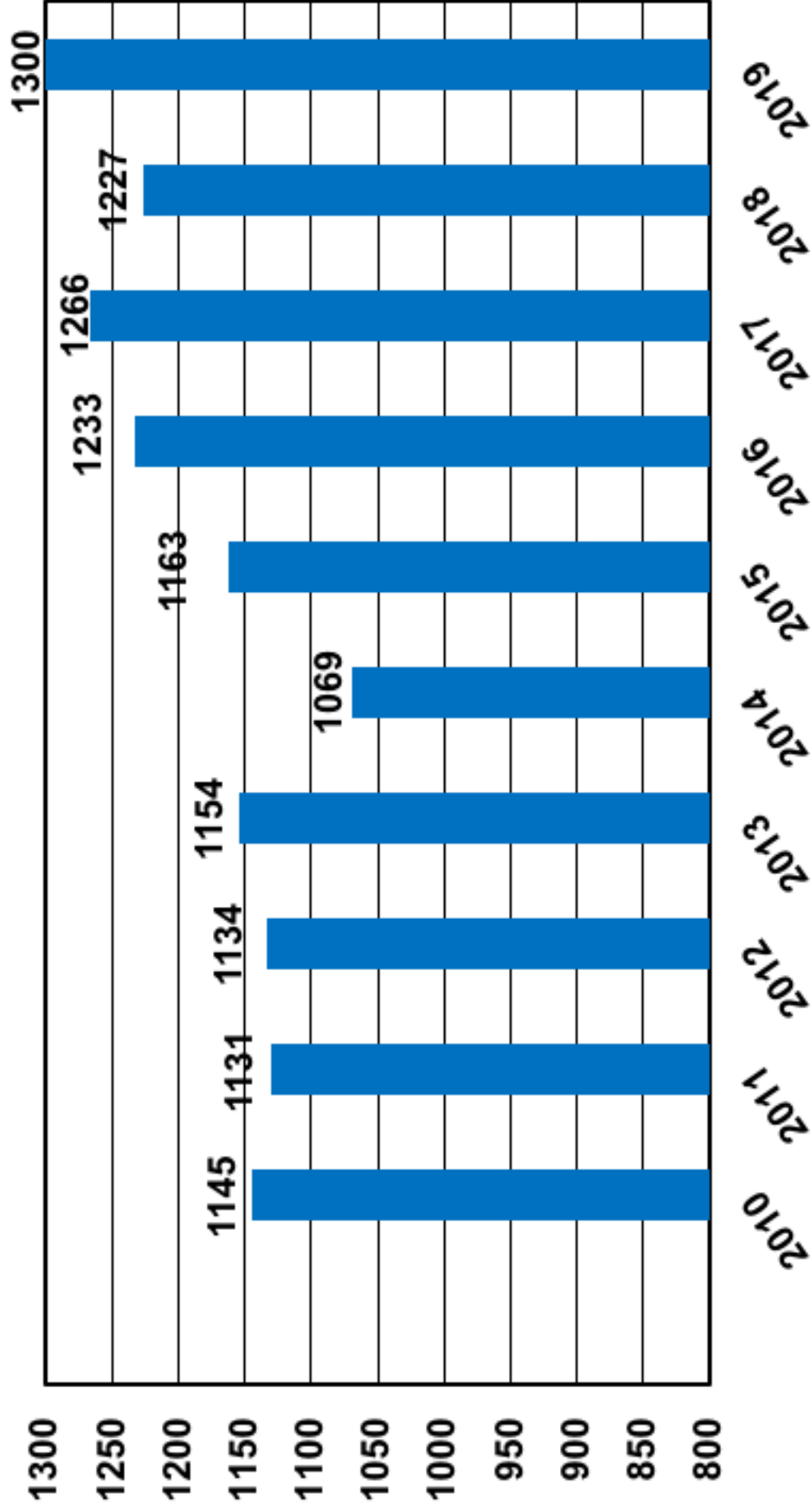
Organizing Committee

| | | |
|------------------------------------|--------------------|-----------------|
| Honorary Chairs | Paul Turinsky | NCSU – Emeritus |
| | Tom Sutton | KAPL – Retired |
| General Chairs | Yousry Azmy | NCSU |
| | Dave Kropaczek | ORNL |
| Assistant General Chairs | Atul Karve | GE-H |
| | Steven Hamilton | ORNL |
| Technical Program Chairs | Dmitriy Anistratov | NCSU |
| | Todd Urbatsch | LANL |
| Assistant Technical Program Chairs | Josh Hykes | Studsvik |
| | Will Wieselquist | ORNL |
| Finance Chair | Shane Stimpson | ORNL |
| Publication Chair | Patrick Brantley | LLNL |
| Corporate Sponsorship Chair | Shane Stimpson | ORNL |
| Workshops Chair | Matt Jessee | ORNL |
| Registration Chair | Erik Walker | ORNL |
| Publicity Chair | Hailey Green | ORNL |
| Webmaster | Nick Luciano | ORNL |
| Arrangements Chair | Sherry Bailey | NCSU |
| Hospitality Chairs | Sherry Bailey | NCSU |
| | Karen Turinsky | |
| Student Program Chair | Lisa Marshall | NCSU |
| International Engagement | Doddy Kastanya | kinectrics Inc. |

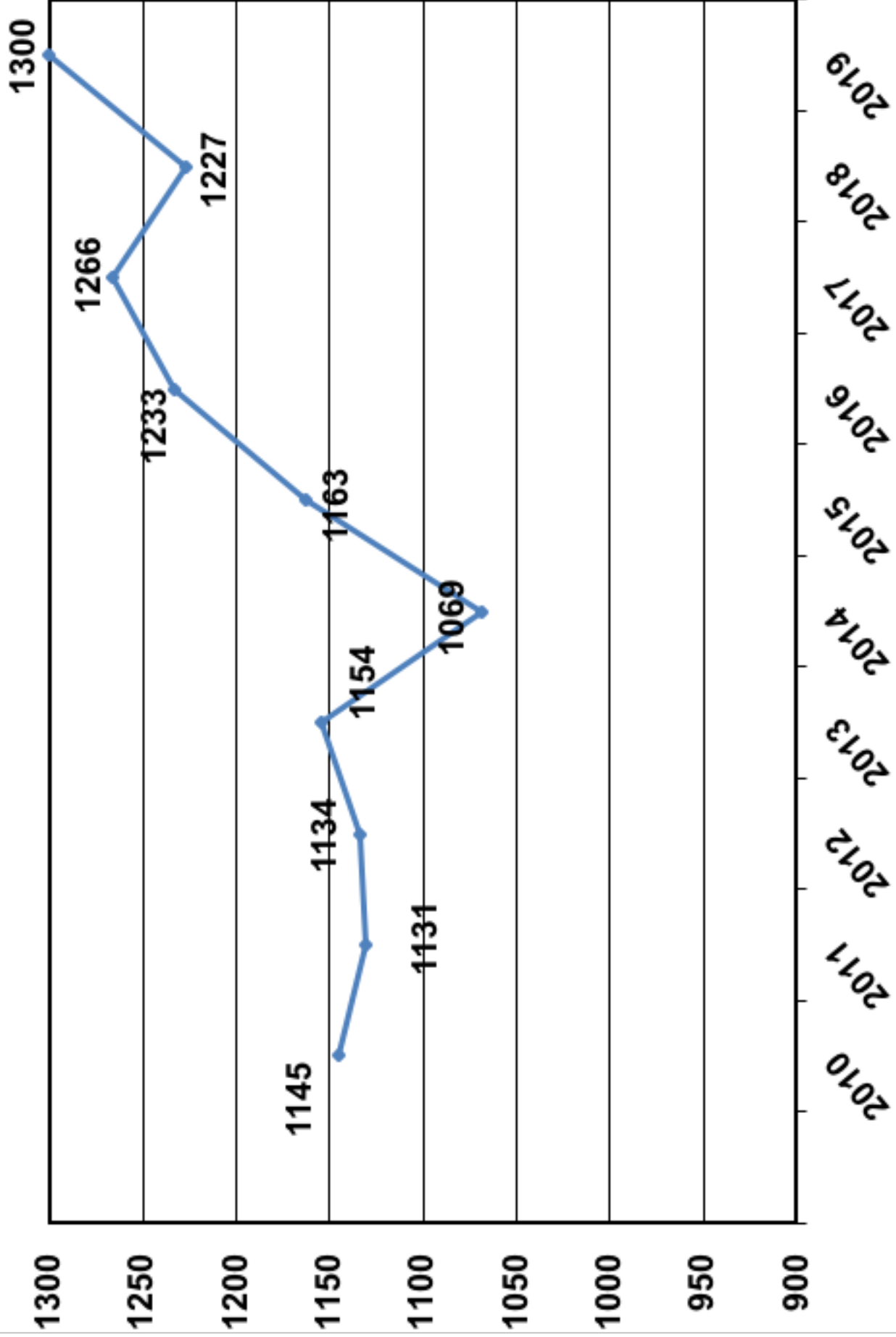
Mathematics & Computation Division Division by Industry as of December 31, 2019



Mathematics & Computation Division
Annual Membership



Mathematics & Computation Division
Annual Membership



Attachment F

| American Nuclear Society | | | | | | | | |
|---------------------------------|---|-----------------------------|-----------------------------|---------------------------------|--|---|------------------------|--|
| Pomraning Award - 2737 | | | | | | | | |
| Math & Comp Division | | | | | | | | |
| Statement of Account | | | | | | | | |
| 1/1/2012 - 12/31/2019 | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Date | Description | Perm. Restricted | Temp. Restricted | Division- Designated | Total Scholarship Funds | Board- Designated Assistance | Total All Funds | |
| 1/1/2012 | Starting balances | \$0 | \$19,898 | \$0 | \$19,898 | \$1,723 | \$21,622 | |
| 12/31/2012 | Investment gain applied (5% for year) | | + \$697 | | + \$697 | + \$44 | + \$740 | |
| 12/31/2012 | Year-end balances | \$0 | \$20,595 | \$0 | \$20,595 | \$1,767 | \$22,362 | |
| 3/1/2013 | Gift from Springer | | + \$275 | | + \$275 | | + \$275 | |
| 3/19/2013 | Award paid to John Dorning Jr | | - \$1,000 | | - \$1,000 | | - \$1,000 | |
| 12/31/2013 | Investment gain applied (16.4% for year) | | + \$3,378 | | + \$3,378 | | + \$3,378 | |
| 12/31/2013 | Year-end balances | \$0 | \$23,247 | \$0 | \$23,247 | \$1,767 | \$25,014 | |
| 12/31/2014 | Investment gain applied (3% for year) | | + \$697 | | + \$697 | + \$53 | + \$750 | |
| 12/31/2014 | Year-end balances | \$0 | \$23,945 | \$0 | \$23,945 | \$1,820 | \$25,765 | |
| 3/16/2015 | Award paid to Anil Prinja | | -\$908 | | - \$908 | -\$92 | - \$1,000 | |
| 12/31/2015 | Investment loss applied (-.331% for year) | | -\$79 | | - \$79 | -\$6 | - \$85 | |
| 12/31/2015 | Year-end balances | \$0 | \$22,958 | \$0 | \$22,958 | \$1,722 | \$24,679 | |
| 12/31/2016 | Investment gain applied (6.36% for year) | | \$1,460 | | + \$1,460 | \$109 | + \$1,570 | |
| 12/31/2016 | Board Designated rebalancing | | | | + \$0 | -\$1,570 | - \$1,570 | |
| 12/31/2016 | Year-end balances | \$0 | \$24,418 | \$0 | \$24,418 | \$261 | \$24,679 | |
| 3/16/2017 | Award paid to Jim Morel | | -\$985 | | - \$985 | -\$15 | - \$1,000 | |
| 3/27/2017 | Plaques | | -\$83 | | - \$83 | | - \$83 | |
| 12/31/2017 | Investment gain applied (17.17%) | | \$4,193 | | + \$4,193 | \$45 | + \$4,237 | |
| 12/31/2017 | Board Designated rebalancing | | | | + \$0 | -\$291 | - \$291 | |
| 12/31/2017 | Year-end balances | \$0 | \$27,543 | \$0 | \$27,543 | \$0 | \$27,543 | |
| 12/31/2018 | Investment loss applied (-6.78% for year) | | -\$1,867 | | - \$1,867 | | - \$1,867 | |
| 12/31/2018 | Year-end balances | \$0 | \$25,676 | \$0 | \$25,676 | \$0 | \$25,675 | |
| 5/31/2019 | Funds used for plaques | | -\$73 | | - \$73 | | - \$73 | |
| 6/3/2019 | Award paid to Farzad Rahnema | | -\$1,000 | | - \$1,000 | | - \$1,000 | |
| 12/31/2019 | Investment gain applied (20.22%) | | \$5,192 | | \$5,192 | | + \$5,192 | |
| 12/31/2019 | Year-end balances | \$0 | \$29,795 | \$0 | \$29,795 | \$0 | \$29,795 | |
| 1/1/2020 | <i>Spend limit for year is 4.92%</i> | | + \$1,466 | + \$0 | + \$1,466 | - \$0 | + \$1,466 | |

| | American Nuclear Society | | | | | | | |
|--|---------------------------------|---|-----------------------------|-----------------------------|---------------------------------|--|---|----------------------------|
| | Dannels Fund - 2750 | | | | | | | |
| | Math & Comp Division | | | | | | | |
| | Statement of Account | | | | | | | |
| | 1/1/2012 - 12/31/2019 | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | Date | Description | Perm. Restricted | Temp. Restricted | Division- Designated | Total Scholarship Funds | Board- Designated Assistance | Total All Funds |
| | 1/1/2012 | Starting balances | \$0 | \$54,372 | \$0 | \$54,372 | \$15,143 | \$69,515 |
| | 8/20/2012 | Scholarship paid to Lindsey Gilman | | - \$3,500 | | - \$3,500 | | - \$3,500 |
| | 12/31/2012 | Investment gain applied (5% for year) | | + \$1,853 | | + \$1,853 | + \$380 | + \$2,232 |
| | 12/31/2012 | Year-end balances | \$0 | \$52,725 | \$0 | \$52,725 | \$15,523 | \$68,248 |
| | 8/30/2013 | Scholarship paid to Jesse Holmes | | - \$3,500 | | - \$3,500 | | - \$3,500 |
| | 12/31/2013 | Investment gain applied (16.4% for year) | | + \$8,647 | | + \$8,647 | | + \$8,647 |
| | 12/31/2013 | Year-end balances | \$0 | \$57,872 | \$0 | \$57,872 | \$15,523 | \$73,394 |
| | 8/30/2014 | Scholarship paid to Matthew Marcath | | - \$2,531 | | - \$2,531 | - \$969 | - \$3,500 |
| | 12/31/2014 | Investment gain applied (3% for year) | | + \$1,736 | | + \$1,736 | + \$466 | + \$2,202 |
| | 12/31/2014 | Year-end balances | \$0 | \$57,076 | \$0 | \$57,076 | \$15,020 | \$72,096 |
| | 8/20/2015 | Scholarship paid to Timothy Patrick Burke | | - \$2,112 | | - \$2,112 | - \$1,388 | - \$3,500 |
| | 11/30/2015 | Gift from B. Tyreman | | + \$10,000 | | + \$10,000 | | + \$10,000 |
| | 12/31/2015 | Investment loss applied (-.331% for year) | | - \$189 | | - \$189 | - \$50 | - \$239 |
| | 12/31/2015 | Year-end balances | \$0 | \$64,776 | \$0 | \$64,776 | \$13,582 | \$78,358 |
| | 8/29/2016 | Scholarship paid to Kalin Kiesling | | - \$2,245 | | - \$2,245 | - \$1,255 | - \$3,500 |
| | 12/31/2016 | Investment gain applied (6.36% for year) | | \$4,120 | | + \$4,120 | \$864 | + \$4,984 |
| | 12/31/2016 | Board Designated rebalancing | | | | + \$0 | - \$1,484 | - \$1,484 |
| | 12/31/2016 | Year-end balances | \$0 | \$66,650 | \$0 | \$66,650 | \$11,707 | \$78,358 |
| | 1/4/2017 | Contribution from Beverly Ann Tyreman | | \$10,000 | | \$10,000 | | + \$10,000 |
| | 8/16/2017 | Scholarship paid to Forrest Schriver | | - \$2,830 | | - \$2,830 | - \$670 | - \$3,500 |
| | 12/31/2017 | Investment gain applied (17.17%) | | \$11,444 | | \$11,444 | \$2,010 | + \$13,454 |
| | 12/31/2017 | Board Designated rebalancing | | | | \$0 | - \$9,954 | - \$9,954 |
| | 12/31/2017 | Year-end balances | \$0 | \$85,264 | \$0 | \$85,264 | \$3,094 | \$88,358 |
| | 1/2/2018 | Contribution from Beverly Ann Tyreman | | \$10,000 | | \$10,000 | | + \$10,000 |
| | 8/30/2018 | Scholarship paid to Eli Sanchez | | - \$3,354 | | - \$3,354 | - \$146 | - \$3,500 |
| | 12/31/2018 | Investment loss applied (-6.78% for year) | | - \$5,781 | | - \$5,781 | - \$210 | - \$5,991 |
| | 12/31/2018 | Year-end balances | \$0 | \$86,129 | \$0 | \$86,129 | \$2,738 | \$88,867 |
| | 1/7/2019 | Contribution from Beverly Ann Tyreman | | \$10,000 | | \$10,000 | | + \$10,000 |
| | 8/30/2019 | Scholarshp paid to Kaliln Kiesling | | - \$3,364 | | - \$3,364 | - \$136 | - \$3,500 |
| | 12/31/2019 | Investment gain applied (20.22%) | | \$17,415 | | \$17,415 | \$554 | + \$17,969 |
| | 12/31/2019 | Board Designated rebalancing | | | | \$0 | - \$3,156 | - \$3,156 |
| | 12/31/2019 | Year-end balances | \$0 | \$110,180 | \$0 | \$110,180 | \$0 | \$110,179 |
| | 1/1/2020 | Spend limit for year is 4.92% | | + \$5,421 | + \$0 | + \$5,421 | - \$0 | + \$5,421 |

| American Nuclear Society | | | | | | | | |
|----------------------------|--|------------------|------------------|----------------------|-------------------------|------------------------------|-----------------|--|
| Gelbard Scholarship - 2796 | | | | | | | | |
| Math & Comp Division | | | | | | | | |
| Statement of Account | | | | | | | | |
| 1/1/15-12/31/19 | | | | | | | | |
| | | | | | | | | |
| Date | Description | Perm. Restricted | Temp. Restricted | Division- Designated | Total Scholarship Funds | Board- Designated Assistance | Total All Funds | |
| 1/1/2015 | Starting balances | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 5/14/2015 | Gift from Oak Ridge Knoxville Local Section | | + \$1,050 | | + \$1,050 | | + \$1,050 | |
| 5/14/2015 | Gift from B. Bingman | | \$50 | | + \$50 | | + \$50 | |
| 5/14/2015 | Gift from M. Adams | | + \$500 | | + \$500 | | + \$500 | |
| 5/14/2015 | Gift from B. Aviles | | + \$350 | | + \$350 | | + \$350 | |
| 5/14/2015 | Gift from R. Slaybaugh | | + \$250 | | + \$250 | | + \$250 | |
| 5/14/2015 | Gift from B. Kirk | | \$500 | | + \$500 | | + \$500 | |
| 5/14/2015 | Gift from Eventbrite | | + \$2,950 | | + \$2,950 | | + \$2,950 | |
| 12/31/2015 | Division Capital Contribution | | | + \$20,000 | + \$20,000 | | + \$20,000 | |
| 12/31/2015 | Year end balances | \$0 | \$5,650 | \$20,000 | \$25,650 | \$0 | \$25,650 | |
| 10/12/2016 | Gift from Bernadette Kirk | | \$500 | | + \$500 | | + \$500 | |
| 11/16/2016 | Gift from PHYSOR 2016 | | \$7,245 | | + \$7,245 | | + \$7,245 | |
| 11/30/2016 | Capital Contribution from Division | | | \$7,500 | + \$7,500 | | + \$7,500 | |
| 12/31/2016 | Investment gain applied (6.36% for year) | | \$359 | \$1,272 | + \$1,631 | | + \$1,631 | |
| 12/31/2016 | Year-end balances | \$0 | \$13,754 | \$28,772 | \$42,526 | \$0 | \$42,526 | |
| 6/1/2017 | Gift from Springer Sci & Bus Media (Royalty) | | \$90 | | \$90 | | + \$90 | |
| 6/23/2017 | Gift from R. Slaybaugh & Others | | \$4,515 | | \$4,515 | | + \$4,515 | |
| 6/26/2017 | Capital Contribution from Division | | | \$5,000 | \$5,000 | | + \$5,000 | |
| 12/25/2017 | Gift from D. Griesheimer | | \$250 | | \$250 | | + \$250 | |
| 12/31/2017 | Investment gain applied (17.17%) | | \$2,362 | \$4,940 | \$7,302 | | + \$7,302 | |
| 12/31/2017 | Year-end balances | \$0 | \$20,970 | \$38,712 | \$59,683 | \$0 | \$59,683 | |
| 1/2/2018 | Gift from Robert Phillips | | \$500 | | \$500 | | + \$500 | |
| 8/30/2018 | Scholarship paid to Jesse Jones | | -\$988 | -\$2,512 | -\$3,500 | | -\$3,500 | |
| 10/31/2018 | Capital Contribution from Division | | | \$689 | \$689 | | + \$689 | |
| 12/31/2018 | Investment loss applied (-6.78% for year) | | -\$1,422 | -\$2,625 | -\$4,046 | | -\$4,046 | |
| 12/31/2018 | Year-end balances | \$0 | \$19,061 | \$34,264 | \$53,325 | \$0 | \$53,325 | |
| 2/28/2019 | Capital Contribution from Division | | | \$855 | \$855 | | + \$855 | |
| 8/31/2019 | Scholarship paid to Nina Sorrell | | -\$945 | -\$2,555 | -\$3,500 | | -\$3,500 | |
| 12/31/2019 | Investment gain applied (20.22%) | | \$3,854 | \$6,928 | \$10,782 | | + \$10,782 | |
| 12/31/2019 | Year-end balances | \$0 | \$21,970 | \$39,493 | \$61,462 | \$0 | \$61,462 | |
| 1/1/2020 | <i>Spend limit for year is 4.92%</i> | | + \$1,081 | + \$1,943 | + \$3,024 | + \$0 | + \$3,024 | |