

PENN STATE NUCLEAR ENGINEERING SOCIETY

FINAL MEETING MINUTES – January 20, 2016 – PSNES Teleconference Meeting

Participants:

PSNES Officers & Directors

Pat Loftus – Interim President
Arthur Motta – Chair NucE (with vote)
Kenan Unlu – RSEC Director (with vote)
Tom Richard – Secretary / Treasurer
John Atchison – At-Large Director
Eric Beaumont – At-Large Director
Duane Karchner – At-Large Director
Hilary Neal – At-Large Director
Michael Pantano – At-Large Director
Joe Sholtis – At-Large Director
James Tusar – At-Large Director (also with Rachel Heath (At-Large Director) proxy)
Doug Wood – At-Large Director
Rick Etling – Immediate Past President (with Vote)

PSNES Members

Ramon Cruz
Matt Ellis
Matt Wargon

OPENING

Pat Loftus began the meeting at 11:30 am, welcomed everyone and called the meeting to order. Tom Richard conducted roll-call and confirmed that a quorum was present to conduct business. Rachel Heath designated her vote by proxy to James Tusar.

OLD BUSINESS

Approval of December 3, 2015 Meeting Minutes

The minutes from the previous business meeting (in December 2015) are approved and posted on the PSNES Website.

Financial Report

Dr. Motta provided the financial report. The PSNES General Account has a balance of \$1,571.08 after covering the \$800 deficit in the PSNES Awards Account created when this account was used to fund the 2014 PSNES Service and Leadership Award. The PSNES Award Account has been closed.

2016 Election Report

Nominations for the 2016 PSNES election will close on January 24, 2016. The on-line election voting will commence on January 25, 2016 and run through March 31, 2016. Results will be announced at the PSNES quarterly meeting in April, 2016. The website for the election is up and operational.

One self-nomination was received. At-Large Director candidate Matt Ellis introduced himself to the group. **Action: Pat to add Matt Ellis's bio to the election website and issue the PSNES Member communication opening the voting process.**

2016 PSNES Meeting Schedule

The next PSNES quarterly meeting is scheduled for April 30th (on-campus and teleconference combination).

The PSNES Annual Meeting and final Board turnover is scheduled for early afternoon on Sunday, August 21st. This meeting will be followed by the MNE/NucE New Student Orientation (late afternoon) and MNE picnic at Founders Park. Alumni are encouraged to participate. **Three (3) PSNES members volunteered to participate in the NucE Student Orientation which will include an introduction to PSNES and our mentoring/networking program: Duane Karchner, John Atchison, and Rick Etling.**

11/9/2015 Welcome Reception Report (PSNES Outreach Initiative)

Matt Wargon reported on the November 2015 reception at the ANS Washington DC winter meeting for Catherine Perego (in China). It was thought that the meeting would be more PSNES-centric with more PSU alumni. Dr. Unlu indicated that the reception was well-attended overall, with the reception being co-hosted by PSU, Michigan, Wisconsin, RPI, and Bechtel Marine Propulsion Corporation. There are usually a number of events going on at the same time (e.g. there was a reception with southeastern regional schools at the same time). **Action: Please send/share pictures of the event with Candace Davison, who is looking for additional pictures.**

Attachment 4 provides a picture of the PSU table provided by Dr. Unlu which highlights the 60th anniversary celebration for the Breazeale Nuclear Reactor.

PSNES Time Capsule Decal Design Competition Proposals

Joe Sholtis provided an update and background on the PSNES Time Capsule Decal Design Competition with support from Matt Wargon and Ramon Cruz.

In December, 2015, the Board authorized an award from \$100 to \$225 depending on the number of participants. \$100 will go to the PSU ANS Student Chapter for advertising and coordinating the effort. The winning designer or team will be awarded \$25 per person (not to exceed \$100 for a team) along with recognition.

Matt Wargon spoke to Jeremy Barnhart (current ANS Student Chapter President), and confirmed that the ANS Student Chapter is willing to take this PSNES initiative as a project. The first ANS Student Chapter meeting is scheduled for the evening of January 20th. Jeremy will let Matt know how the response was and will continue to update on this. Jeremy thinks the design competition will be successful with the Student Chapter.

Joe indicated that the approved Board motion encourages broader participation from PSU groups involved in nuclear technology (e.g., WIN, Alpha Nu Sigma, INMM), the NucE/RSEC faculty and staff (past/current), and NucE alumni. This will be accomplished by advertising to a broad audience.

At the moment, the ANS Student Chapter has not figured out a good way to advertise this Decal Design Competition to all of the relevant groups. Pat said that the Board can help (including Dr. Motta and Dr. Unlu) with advertising, if Jeremy and the ANS Student Chapter need help. In addition, Ramon Cruz has agreed to be PSNES' liaison between PSNES and the students. **Action: Ramon and Matt to determine ANS Student Chapter support needs.**

The PSU faculty promoted the PSNES Time Capsule Design Competition project during the first week of classes, and Dr. Unlu mentioned the competition at the Faculty Caucus. The PSNES Time Capsule Decal Design Competition kicks off in January, with judging by the PSNES BOD at our April Meeting.

Digital Marketing and Communications

Pat Loftus started out the digital marketing and communications discussion by highlighting the new, mobile friendly MNE website which was launched in early January and referencing the report from the December 2015 Meeting. Shea Winton Bracken, supported by PSNES members, did an outstanding job.

Through support from Dr. Motta and Shea Winton Bracken, the PSNES Board is now able to reach PSNES members via e-mail using the PSU PSNES listserv while adhering to PSU privacy requirements. Favorable feedback has been received from several NucE alumni.

Hilary Neal provided an update on the PSNES LinkedIn group. The private LinkedIn group continues to grow in membership, with 115 members currently. One way to continue its growth is by increasing posts containing fresh, relevant content. The Board has helped by providing news items. **Action: Everyone in the PSNES group is encouraged to post content and invite other Alumni and Friends of the PSU NucE Program/RSEC to join.**

Catherine Perego created a second ListServ, which enables people who are not PSNES members to sign up and receive information. For example, this would include current students, faculty, and friends of the NucE Program and RSEC. Similarly, Dr. Unlu has a thorough email list, which was used to promote the 60th Anniversary of the Breazeale Nuclear Reactor. In addition, the NucE Program has another listserv group.

Pat posed a question to the Board, about whether we want to promote this ListServ in order to grow PSNES reach? The second ListServ would be administered separately from the PSNES website and would remain separate from the PSNES website/membership List maintained by PSU. The Board sees this second ListServ as a good thing to help us grow, and it would not be much additional effort. However, the BOD decided to put this item on hold for now pending discussion at a future meeting. **Action: Pat asked Hilary to add this item to our 2016 Digital Strategy.**

2016 PSNES Priorities and Focus Areas (Validation)

The following PSNES priorities and focus areas were previously identified:

- 2016 PSNES Election and BOD (Board of Directors) transitions
- What can PSNES do to help, support, and advance the NucE Program, RSEC, Student ANS, PSU WIN?
- PSNES membership growth and engagement
- Student Mentoring/Networking growth and engagement

Pat Loftus re-introduced the 2016 PSNES priorities and focus areas and asked whether there are any recommended additions or changes. Board Members validated this list. Some members indicated that this number of priorities/focus areas was optimal. These items will be re-visited at the Annual Meeting.

NEW BUSINESS

PSEAS Spring 2016 APG Grant Application(s)

Pat Loftus, as PSNES President, has begun participation on the Penn State Engineering Alumni Society (PSEAS) Board on behalf of PSNES. Pat noted that PSNES is an Affiliate Program Group (APG) of PSEAS.

PSEAS is taking applications for its Spring 2016 APG Grant, where funding up to \$1000 can be awarded to winning applications that enhance the APG Mission (due 2/1/2016). The PSEAS APG Grant awards will be decided by 2/8/2016.

PSNES Board Members put together 2 proposals for Board consideration (See Attachments 2 and 3). Joe Sholtis spoke about the PSNES Time Capsule Advancement Program proposal. Hilary Neal spoke about the April 2016 New Grad Reception proposal.

The PSNES Time Capsule Advancement Program would basically be purchasing the decal, plaque, pedestal, and display case for the NucE Program Time Capsule. The proposal was sent out the PSNES Board prior to the January 20th meeting. The proposal would apply for a \$750 APG grant (Attachment 1).

The April, 2016 New Grad Reception proposal, which was sent out prior to the January 20th meeting, is for a graduate reception event in order to engage and expand membership for PSNES with new NucE graduates. The event would be just prior to graduation. The event would have refreshments and a speaker from PSNES. The

event would encourage real-time sign-up of new NucE PSNES members, while PSNES promoted an activity in the August timeframe to continue engagement. For the budget, the number of people were estimated with input from the Board, while cost for an all-inclusive event at the Nittany Lion Inn and Atherton Hotel were considered.

Further discussion about the April, 2016 New Grad Reception proposal included the proposed budget and sustainability. Joe Sholtis suggested inviting vendors and sponsors, who could also meet the students. Eric Beaumont would be able to help recruit sponsors for the event, in reference to a sponsorship angle for the event.

The Board voted to proceed with the submittal of the 2016 APG grant application for the April 2016 New Grad Reception. The Time Capsule grant application proposal will be held for consideration in future years.

Dr. Motta and Dr. Unlu are supportive of the New Grad Reception application. Several things were considered in the Board's decision, including:

- submitting more than one proposal would essentially be competing against one another;
- sustainability is something the APG would be looking at; and
- the time capsule is still a few years away.

Jim Tusar has an example of a grant application PSNES submitted previously to PSEAS, but it was not chosen. **Action: Hilary Neal to prepare the proposal, seek review from James Tusar, Doug Wood, Pat Loftus, Dr. Motta and Dr. Unlu, and ensure it is submitted by the 2/1/2016 deadline. The proposal will be shared with the PSNES Board. (Completed 2/1/2016, Attachment 2)**

Volunteer Request for 4/2016 Meeting Discussion Leaders:

A call for volunteers was made for Champions to present 1-page proposals and lead the 4/2016 PSNES meeting discussion for individual items. **Action: Contact Pat Loftus to volunteer.** The items below were discussed further.

- Career Path Student Mentoring/Networking (Student Feedback & Targeted Volunteer Growth)
- PSNES Digital Marketing/Communications Plan (Membership Growth & Outreach)
- 2016 PSNES Annual Meeting (8/2016) & NucE Orientation Event Planning (C. Perego, H. Neal, R. Cruz)
- Constitution Review/Succession Planning (E. Beaumont [lead], R. Etling, M. Pantano, D. Wood)
- What can PSNES do to help, support, and advance the NucE Program, RSEC, Student ANS & PSU WIN?

It is important to define more concrete, actionable plans. .

There was further discussion about what PSNES can do to help, support, and advance the NucE Program and RSEC (and other groups). This item is mainly focused on

continuing discussion with Dr. Motta and Dr. Unlu about how PSNES can support the respective NucE and RSEC programs as well as engaging with the PSU ANS Student Chapter and PSU WIN Chapter.

Two items were added in reference to this topic: 1) PSNES Members views and perspectives on nuclear energy that are relevant to our industry, and 2) Helping to get the word out on the need for additional funding for the Breazeale Nuclear Reactor Beam Hole modification.

More specifically, with respect to the first item, Dr. Motta said PSNES has helped and can help in many ways, and this year is no different. In addition to some of the challenges mentioned, there is a broad perspective relative to nuclear energy that is relevant to all of us. Examples include the price of natural gas, closure of plants, and the NRC-related issues. Eventually, this will impact our industry's technical knowledge and expertise in building new plants. **Action: PSNES Members are asked to think about our views (i.e., taking a broad view into account) on this and how it will affect our industry and future nuclear engineering/technology university programs.**

For RSEC, Dr. Unlu discussed a design feature of the reactor (that goes back to 1965) which could use PSNES help and support to acquire funding. It has to do with the core moderator assembly and beam holes. A grant from the DOE was received last year for the core moderator assembly. However, for the beam hole, we need funding for a brick-and-mortar type of modification, which is not an area that DOE typically fund. In order to address the beam hole issue, funds are needed for the expansion of the beam hole. PSNES should spread the word and see if someone is interested in funding this. Dr. Unlu will provide more information for the April 2016 meeting. **Action: Pat to add this topic to the April 2016 PSNES Meeting Agenda.**

Roundtable - Member/PSU News & Calendar of Events Look-Ahead

NucE Program

Dr. Motta indicated the search for several faculty members is underway. The results will have an impact on the future direction and focus of the Program. The NucE Department is interested in help with gauging the market for the students, in terms of the overall health of the industries involved in nuclear technology. Some people have already received an invitation to provide information to the Program. **Action: Pat to add this topic to the April 2016 PSNES Meeting Agenda.**

RSEC

Dr. Unlu indicated there has been continued safe operation of the Breazeale Nuclear Reactor. Undergraduate classes NucE 450 and 451 are using the reactor for class projects. The new radiochemistry laboratory will be used for the first time this Fall. Also, this year the Nuclear Security Design course is open to undergraduates now (30+ students enrolled). Student labs with LANL, INL, and Westinghouse have been

continued. There are other grants in the near horizon (e.g., nuclear non-proliferation, \$5 million for 5 years each) waiting on the award decision.

Student ANS

Matt Wargon relayed a message from Jeremy Barnhart (ANS Student President): The PSU student chapter has many different events. The most important is the Student ANS Conference in Madison, WI in April. There will be approximately 20 students going. During the 1st and 3rd month there is a tutoring session for students who need help. In addition, there are numerous outreach events. The ANS Student Chapter is excited to be working with PSNES and looking forward to continuing to work together.

PSEAS

Pat Loftus said there are two items that PSNES can help with PSEAS. First, interviews and resume critique would be a great way for PSNES Members to participate. Second, PSNES can participate via the PSU mock-interview program. This is a great way to get the word out on PSNES, as well as creating opportunities for future network/mentoring relationships. See Attachment 3 for the PSEAS Report.

PSU WIN

Pat Loftus and Jim Tusar provided a summary of PSU WIN. Candace Davison, Jim Tusar, and Pat Loftus met via telecon in October to brainstorm ideas. This topic will be revised following feedback from PSU WIN. **Action: Candace, Jim, and Pat to re-visit this topic by the end of February.** Jim identified contacts for WIN at Exelon's various sites, and has provided this info to Candace. **Action: If anyone has any other contacts for WIN at their sites, please let Jim and Candace know. Tom Richard offered to provide Fermi 2's WIN contact after the meeting (note: action completed 1/20/2016).**

Mentoring / Networking/Hiring Activities

Mentoring activities over the past few months were discussed.

Jim Tusar discussed hiring of 2 NucE interns, and participation as NucE 590 speaker.

Action: PSNES Members are encouraged to send internship or permanent position openings and suggested NucE 590 speaker/topics to Dr. Motta.

Pat Loftus indicated we currently have 13 alumni who have indicated interest in mentoring/network relationships and have provided resumes/bios which are available for student review on ANGEL. **Action: PSNES Members interested in being contacted by students for career path mentoring or networking questions are encouraged to submit their resumes/bios or updates to Shea Winton Bracken.**

Joe Sholtis also discussed mentoring, and recommended advertising the mentoring network on the LinkedIn group. It was confirmed that PSU is still using ANGEL –

PSNES Members can access ANGEL if you have a Friends of PSU account (which anyone can register for).

ANS Career Path Pilot Update - Space

Joe Sholtis provided an update on support from the industry for our nation's space program. Joe made contacts and passed along to Candace Davison, and the contacts are ready to speak with her. Also, there was an update on Pu-238 production that is vital to support the space program. John Atchison also provided an update on contacts in reference to this item.

MNE Senior Recognition Banquet (March 23, 2016)

PSNES members are encouraged to participate. Jim Tusar (Award Committee Lead) indicated his intent to participate.

2016 Annual Meeting

The PSNES Annual Meeting is scheduled for Sunday, August 21, 2016 in the early afternoon followed by the MNE/ NucE New Student Orientation, and MNE Picnic held at Founders Park. PSNES members are encouraged to attend. 3 PSNES members have volunteered to participate in the Student Orientation: Duane Karchner, John Atchison, and Rick Etling

The meeting was adjourned at 1:00 pm.

Attachment 1

**Penn State Engineering Alumni Society
APG Grant Application (Spring 2016) Proposal (Joe Sholtis)**

Please select which grant you are applying for:

APG Start-Up Grant: _____

Description: Departments may apply for this one-time grant to assist in the development and start-up of a new APG. Funds may be used to offset costs associated with forming a new alumni group including meeting expenses, communications, and events. Maximum grant funding level is \$1,000.

APG Program Grant: X PSNES Time Capsule Advancement Program

Description: Groups may apply for a program grant to assist in the creation of new alumni programs or to enhance and improve upon existing programs. Programs and events may be social or professional in nature. Maximum grant funding level is \$1,000.

Applicant name and associated APG/Department/Program: Joseph A. Sholtis, Jr., PSNES At-Large Director

Applicant email address: Sholtis@aol.com

Name and email address of Department/Program Head (if different from applicant name):
Professor Arthur Motta, Nuclear Engineering Program Head, MNE Department – atm2@psu.edu

If applicable, has the Department/Program head approved this grant request?

Description of Event/Program: PSNES Nuclear Engineering Time Capsule Advancement Program – to commemorate the long & illustrious history of the PSU Nuclear Engineering Program, by purchase of Time Capsule display articles in 2016. [Note: Ultimately, when the MNE E-Commons area of Reber is completed (at some point in the future after 2016), the Time Capsule will be dedicated in a formal ceremony and displayed there permanently as a continuing memorial & testimonial. This Time Capsule Advancement Program during 2016 includes: purchase of the winning Time Capsule decal; purchase of a Time Capsule display case, pedestal & plaque – to be kept in holding until the formal dedication ceremony can be held.

Has a grant application for a similar event been previously submitted for an APG grant?

Yes No

If so, when was that grant submitted?

Fall Spring Year: _____

If so, was that grant approved?

Yes No

Amount requested: \$750.00

Please note that the amount of each grant awarded to an applicant will depend upon the total number of grants approved for funding each semester. The APG Grants Committee reserves the right to award grants at a level lower than the amount requested.

Amount that your Department/Program has already committed to or spent on this event/program:

PSNES purchased the Time Capsule in 2013 (cost: \$548.00+tax+S&H), and authorized an additional expenditure of \$125.00 - \$200.00 (\$100.00 to PSU American Nuclear Society Student Chapter, for coordinating the decal design competition, and \$25.00 per person, not to exceed \$100.00, i.e., depending on the number of individuals involved in winning decal design; not to exceed 4 individuals, or \$100.00 maximum for the winning team) as part of a Time Capsule Decal Design Competition that will be conducted during the Spring 2016 semester. Total expenditure/authorization to date: \$673.00 – 748.00 +tax+S&H)

Please provide an estimated budget for what specifically the grant funds will be used for:

Line Item	Dollar Amount
Purchase of winning Time Capsule Decal	\$50.00
Purchase of display case for Time Capsule	\$250.00
Purchase of display pedestal for Time Capsule	\$250.00
Purchase of Memorial Plaque for Time Capsule	\$200.00
Total	\$750.00

Date (s) of Event or Program: Decal design competition during 2016 Spring semester; purchase of decal ~May 2016; purchase of display case, pedestal, and plaque ~Mar-June 2016. Interim location in MNE. Subsequent formal Dedication Ceremony tied to completion of MNE E-Commons area in Reber.

Will this be a continuing program? If so, please describe how the program will be funded in future years. A goal of the grants program is to assist in the creation of new programs, while encouraging APGs to ensure that the event/program becomes self-sustaining in the future. No, once completed, this effort ends; but will, hopefully, serve as a motivation for continuing contributions to the PSU MNE E-Commons area in Reber and the PSU Nuclear Engineering Program.

Please explain (250 words or less) the expected benefit(s) to alumni/department/students from this program and/or event: The PSU Nuclear Engineering Time Capsule will serve as a source of pride to all current and former Nuclear Engineering students, faculty, staff, as well as alumni. The PSNES Time Capsule Advancement Program is a major step toward the Time Capsule's completion and formal dedication in the future. The Time Capsule Decal Design Competition (part of this Program) will serve to advertise the Time Capsule, and motivate current & former PSU Nuclear Engineering students, faculty, staff, and alumni via a stimulating & fun activity. Purchase of a pedestal, display case, and plaque for the Time Capsule (also part of this Program) will serve as a major step toward final Time Capsule dedication and display in the future. Ultimately, the Time Capsule, when dedicated within the MNE E-Commons area in Reber, will stand as a memorial & testimonial to the long & illustrious history of the PSU Nuclear Engineering Program. Hopefully, this Time Capsule Advancement Program will serve as a model for continuing alumni contributions to the MNE E-Commons area and the PSU Nuclear Engineering Program.

Application Deadline: February 1, 2016

Please email your completed application to Emily Gallagher, College of Engineering Alumni Relations Office, at emg5174@psu.edu.

Applications will be reviewed by the Engineering Alumni Society APG Grants Committee. All applicants will be notified of the committee's decision by February 8, 2016.

Attachment 2

PSNES Proposal to PSEAS for a PSEAS Grant to Financially Support a PSNES New Grad Reception Event

- Attachment 2A – version presented at 1/20/2016 BOD Meeting
- Attachment 2B – final version submitted to PSEAS on 2/1/2016

Attachment 2A – version presented at 1/20/2016 BOD Meeting

Penn State Nuclear Engineering Society (PSNES)
January 20, 2016

Proposal for

PSNES New Grad Reception Event

1/20/2016 PSNES BOD Decision:

Authorization to conduct a New Grad Reception Event following the April 30th PSNES meeting subject to:

1) Securing funding not to exceed XXXX from one or more sources including APG Grant (max. \$1K, Application due 2/1, PSU decision 2/8), PSNES BOD authorized expenditure not to exceed XXX from the General Fund; Donor commitments/contributions.

2) PSNES Subcommittee will conducting the planning and execution of the event while engaging the PSNES President/Program Chair in final decisions and communications.

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I. Introduction

The Penn State Nuclear Engineering Society (PSNES) is a group of Penn State nuclear engineering alumni as well as other Penn State alumni and friends of the nuclear engineering program. The purpose of this society is to promote fellowship and communication among the alumni, faculty, and students to improve the program, the department, the college, and the Radiation Science and Engineering Center (RSEC).

The PSNES organization has three primary focus areas:

- To support and advance the NucE Program, RSEC, and student clubs
- To grow, engage, and recognize membership
- To provide student mentoring & networking

II. Needs/Problems

Not unique to this year, PSNES continues to struggle with growing, engaging, and recognizing membership. Although the organization currently has a dedicated group of core members, who strive to improve the organization and carry out its mission, PSNES needs to take additional action to ensure its longevity and continued success for making a positive impact at Penn State.

Without new membership and continued engagement, it will become increasingly difficult to fill vacant positions and ensure that the appropriate resources are available to carry out the goals and mission of our organization.

III. Goals/Objectives

One goal for 2016 is to increase PSNES membership and outreach by engaging our newly graduated Nuclear Engineering Alumni.

Engaging new alumni will not only increase our membership, but also helps to strengthen the connection between alumni and current students, such that we can foster meaningful relationships and provide valuable opportunities for mentorship. This connection will also benefit the new alumni by providing them with potential leadership opportunities that will help them to remain connected to the University and strengthen their professional ties as they transition into the workforce.

IV. Procedures/Scope of Work

A proposed solution for alleviating membership engagement and alumni outreach issues is to host a new grad reception event in April 2016. The aim of this event would be to engage our recently graduated alumni, in hopes of welcoming them in as new members of PSNES, and therefore increasing organizational participation.

The event would consist of refreshments and/or a banquet to honor the new Nuclear Engineering graduating class. Speakers would be lined up to promote PSNES, talk about what the organization has been working on, and solicit new member sign-ups. There should also be information available at this time to promote the August 2016 PSNES meeting date and solicit sign-ups for new members who would be interested in supporting planning of the NucE E student orientation and MNE picnic (also slated for August).

The new grad reception should coincide with the proposed April 30th PSNES on-campus/telecom meeting, thus ensuring appropriate PSNES support of the event.

V. Timetable

The following timetable is proposed for the development of this event:

	Description of Work	Start and End Dates (for 2016)
Phase One	Event and Funding Approval	By January 31 st
Phase Two	Event Planning (coordination of logistics, space reservation, headcount/resource data collected, time/date set)	February 1 st -February 29 th
Phase Three	Engage graduating seniors – invites to event sent out, raise awareness; Final plans of event completed	March 1 st – early April
Phase Four	Execution of the event; feedback collected on what can be improved	April 2016, exact date TBD

VI. Budget

We will need to collect additional information to create a reasonable budget estimate for this event. If available to coincide with the April PSNES meeting, the Nittany Lion Inn should be considered as a potential reception location, with similar competitors reviewed. The benefit of holding the reception at a place like the Nittany Lion Inn is that all amenities (location, catering, refreshments, etc.) are covered and it's in a convenient location. However, total cost will inevitably determine if this is viable path moving forward.

A cheaper alternative would be to host something a little more informal within the Reber building and utilize an external catering option for refreshments and/or meals.

We should also consider the time of day for hosting the reception, i.e. lunch/afternoon may be less expensive than dinner/evening.

Missing information to complete budget estimates: # of students graduating from NucE E program in April, venue information

VII. Key Personnel

Key participation to ensure successful planning, pending approval from the Board, should fall on a PSNES sub-team that is focused on the development and execution of this event. The sub-team should consist of a lead with at least 1- 2 support members, as well as secondary support from the interim President and Vice-President/Presidential Elect.

VIII. Next Steps

- Approve motion to host new grad event in April (January 20th 2016)
- Determine suitable event venue and event time/date, keeping budget constraints in mind (mid-February 2016)
- Plan event logistics and final budget estimates (end of February 2016)
- Invitations for event ready to be sent, communication strategy in place (early March 2016)

Attachment 2B – final version submitted to PSEAS on 2/1/2016

Penn State Engineering Alumni Society

APG Grant Application (Spring 2016)

Please select which grant you are applying for:

APG Start-Up Grant: _____

Description: Departments may apply for this one-time grant to assist in the development and start-up of a new APG. Funds may be used to offset costs associated with forming a new alumni group including meeting expenses, communications, and events. Maximum grant funding level is \$1,000.

APG Program Grant: X

Description: Groups may apply for a program grant to assist in the creation of new alumni programs or to enhance and improve upon existing programs. Programs and events may be social or professional in nature. Maximum grant funding level is \$1,000.

Applicant name and associated APG/Department/Program:

Hilary A. Neal, At-Large Director, Penn State Nuclear Engineering Society (PSNES) alumni organization

Applicant email address:

hilaryneal01@gmail.com

Name and email address of Department/Program Head (if different from applicant name):

Dr. Arthur T. Motta, atm2@psu.edu

If applicable, has the Department/Program head approved this grant request?

Yes. Not only has the Program Head approved this request, but the concept of this event also supports Dr. Motta's recurring advice for PSNES to create meaningful opportunities for its leaders and members by engaging the Nuclear Engineering students on campus, thus providing value to both the students and the organization. The College of Engineering's Radiation Science and Engineering Center (RSEC) Director (PSNES Board Member) is also an advocate of this request.

Description of Event/Program:

To gain momentum in achieving our 2016 PSNES membership growth and engagement goals, PSNES proposes to host a "New Grad Reception" event in April 2016. The aim of this event is to engage our Nuclear Engineering graduating class and soon-to-be Nuclear Engineering Alumni by providing an orientation to the Penn State Engineering Alumni Society (PSEAS) and PSNES. We want to encourage new members to become engaged through participation in career path mentoring/networking and the PSU mock interview process. PSNES Board Members will be on-hand to share recent accomplishments

and 2016 goals. We want to welcome them in as new members of PSNES, thereby increasing sustained organizational participation.

The Reception is intended to include catered food and beverages in a University Park/State College venue to honor the new Nuclear Engineering graduating class of Spring 2016. Timing of the event is flexible and would be selected to maximize value for the graduating class. Speakers will be lined up to promote remaining connected to the College of Engineering (MNE, Nuclear Engineering, RSEC and targeted student clubs) through PSEAS/PSNES and solicit new member sign-ups. There will also be information available at this time to announce the August 2016 PSNES Annual Meeting and solicit sign-ups for new members who would be interested in supporting the planning of the Nuclear Engineering Student Orientation and Mechanical & Nuclear Engineering (MNE) picnic, which are also slated for August 21, 2016. Engagement, a 2016 PSNES priority, is the key focus of this event!

Has a grant application for a similar event been previously submitted for an APG grant?

Yes No

If so, when was that grant submitted?

Fall Spring Year: _____

If so, was that grant approved?

Yes No

Amount requested: \$1000.00

Please note that the amount of each grant awarded to an applicant will depend upon the total number of grants approved for funding each semester. The APG Grants Committee reserves the right to award grants at a level lower than the amount requested.

Amount that your Department/Program has already committed to or spent on this event/program:

The PSNES Board has limited funds in its General Account to support an event of this magnitude. However, to show their support of this event, PSNES Board Members have agreed to make donations to the event and pay their headcount cost for food and drink.

Please provide an estimated budget for what specifically the grant funds will be used for:

Line Item	Dollar Amount
75 people at \$15/person, accounting for a large fraction of the expected graduating class and College of Engineering participation (Meal/Refreshments)	\$1125.00
Event Space Reservation/Invitations/Flyers	\$200.00
Prizes/PSNES or PSU Nuclear Engineering Giveaways	Donation-based
Total	\$1325.00

Date (s) of Event or Program:

The PSNES board is still investigating feasible dates for this event. Currently, the organization is considering hosting the proposed new grad event in conjunction with the Nuclear Engineering Senior Design Showcase, since many of the Nuclear Engineering Program faculty and students will be in attendance. This Showcase is scheduled for April 28, 2016, and the PSNES board has a planned meeting at University Park on April 30th, so PSNES board attendance would be very feasible.

Will this be a continuing program? If so, please describe how the program will be funded in future years. A goal of the grants program is to assist in the creation of new programs, while encouraging APGs to ensure that the event/program becomes self-sustaining in the future.

Yes! We hope that this is the start of a long-term connection with each graduating class. We want to ensure the longevity of this great organization and recognize that our new alumni are a key component to our continued success. As the organization will hopefully grow, we'll be able to extend our outreach efforts and expand our impact to both the College of Engineering as well as Penn State overall.

Although no concrete plans for funding the event in future years have been approved by the PSNES Board at this time, a multi-faceted event-specific fund drive, similar to what the MNE Department uses for the annual student recognition banquet, is envisioned. This would likely include reaching out to corporate sponsors and PSNES member donors with opportunities for named sponsorships or to fund one or more student attendees. The funds collected would be added to the PSNES General Account (or a specific account for this recurring event similar to the organization's previous PSNES Service and Leadership Award Account) and disbursed by Penn State upon approval of the PSNES Board.

Please explain (250 words or less) the expected benefit(s) to alumni/department/students from this program and/or event:

PSNES is struggling to find effective and sustainable means to attract, connect, and engage current and new members within the PSU College of Engineering (Nuclear Engineering Program, RSEC, Faculty/Staff and nuclear-related student clubs). Although the organization currently has a dedicated group of core members, who strive to improve the organization and carry out its mission, PSNES needs to take additional action to ensure its longevity and continued success for making a positive impact at Penn State. Sustainable outreach and two-way communication with members are key.

Recent graduates are significantly under-represented in the present PSNES membership. This is unfortunate because they relate well to the life and needs of our current students and would benefit PSNES from their recent, personal connection with the Nuclear Engineering Program.

Realization of a New Grad Reception will help us to support a key goal for 2016, which is to increase PSNES membership and outreach by engaging our newly graduated Nuclear Engineering Alumni. Engaging new alumni will help to strengthen the connection between alumni and current students, thus fostering meaningful relationships and providing valuable opportunities for mentorship and networking. This connection will benefit the new alumni by providing them with organizational leadership opportunities that they can develop and build upon for years to come.

Not only will a successful event add to PSNES membership, but it will also serve to improve our organization's diversity and result in an infusion of new ideas – ideas which will better serve the Penn State College of Engineering nuclear community.

Application Deadline: February 1, 2016

Please email your completed application to Emily Gallagher, College of Engineering Alumni Relations Office, at emg5174@psu.edu.

Applications will be reviewed by the Engineering Alumni Society APG Grants Committee. All applicants will be notified of the committee's decision by February 8, 2016.

Attachment 3

PSNES JANUARY 20, 2016 MEETING Penn State Engineering Alumni Society (PSEAS) Report

Upcoming Events

- 1/25/2016: Alumni Resume Review Event (10-3 in Hammond Building, Kunkle Lounge)
- 1/27/2016: Alumni Networking Brunch (10-12) & Engineering Career Fair (1 - 6 PM) @ Nittany Lion Inn
- 2/19-21/2016: THON 2016 (Bryce Jordan Center)
- 2/22-27/2016: PSU National Engineers Week
- 2/26/2016: PSEAS Board Meeting (PSNES participates as APG)
- 2/27/2016: Rube Goldberg Machine Contest (Penn Stater Conference Center)

Note: The BOD conducts monthly conference calls and 3 full day on-campus meetings per year (2/26/2016, 6/3/2016, and 9/16/2016 (placeholder))

Call for Volunteer Support

On-Campus

Date	Event	Time	Location	Contact
1/25/2016	College of Engineering Resume Review	10:00 AM - 3:00 PM (all or portion of the day)	Hammond Building, Kunkle Lounge	RSVP requested Emily Gallagher emg5174@psu.edu
2/27/2016	2016 Rube Goldberg Machine Contest http://www.engr.psu.edu/rube-goldberg/ Need: Judges, Recorder, Greeters, Door Prize Table Attendant, People's Choice Ballot Box Attendant, Alternate	11:00 AM - 4:00 PM (also pre-context breakfast)	Penn Stater Conference Center Hotel, Presidents Hall	RSVP by 2/10 Emily Gallagher emg5174@psu.edu

On/Campus or Virtual Mock Interview Program - Great Opportunity to Open the Door for Mentoring!

This program connects undergraduate and graduate students who are looking for interview experience with alumni who can provide a mock interview, followed by tips and feedback. Once the student and alumnus are matched, the process is conducted in person, via video (Skype, Facetime), or via phone. Interview specialties include case studies, technical interviews and startup interviews. Note: the interviews are practice and do not involve actual jobs.

Mock Interview Program Link:

<http://studentaffairs.psu.edu/career/students/mockinterview.shtml>

Alumni sign-up form:

https://www.engr.psu.edu/Career/MockInterviewProgram/alumni_form.aspx

1/6/2016 PSEAS BOD Conference Call

Spring 2016 APG Grants Program - 1/20 PSNES Agenda Topic: Call for Applications Due 2/1/2016, Decision by 2/8/2016). Max. grant value \$1K for programs planned for Spring Semester. This provides an opportunity to stretch the PSNES General Fund balance while kick-starting one or more of our projects/events. **(1/20/2016 PSNES BOD Agenda topic)**

Young Alumni Board (YAB) - Raised more than \$4.1K from 62 supporters for student travel abroad during a crowd funding campaign. Funding will support 8 students traveling abroad this year.

National Engineers Week (2/22-27/2016) - Encourage involvement by Student Clubs & Departments.

2015 PSEAS Annual Report - PSNES inputs provided included #mentors (13) and 2015 Meeting Minutes which include anecdotal info on mentoring/networking and key projects/initiatives.

APG Reports Highlights:

- **PSCHEAG (ChemE):** Video Project (pilot w/ 1 alumnus, goal 5-10 videos by June 2016, PSEAS grant project).
- **ASAE (Architectural):** Early Career Impact Award and video project in progress.
- **PSEECs (Electrical & Computer Science):** Search for sponsors for Silicon Happy Valley to be held @ Nittany Lion Inn in April.
- **PSCEAS (Civil & Environmental):** Meeting with ASCE student officers to finalize planning for Distinguished Lectureship.
- **ELAS (Engineering Leadership Development):** On-campus meeting in conjunction with Engineering Leadership Development Advisory Board.
- **PSESMAS (ESM):** Main focus is incorporation of digital communications into department marketing and communications efforts.
- **Engineering Ambassadors (EAAA)** - New executive board.
- **Women in Engineering Program (WEP):** Rolling out Spring mentoring program and defining 2016 goals.
- **PSNES:** Revitalization in progress with BOD changes. Projects/events noted: participation in NucE Orientation, Breazeale Reactor 60th celebration, NucE Time Capsule Decal Design Competition, upcoming meetings & digital marketing and communications focus area.

Attachment 4

11/9/2015 Welcome Reception Report (PSNES Outreach Initiative)

Dr. Unlu, Dr. Brenizer, Candace Davison, members of the ANS Student Chapter and Catherine Perego represented PSU/PSNES at the reception. The reception was well-attended. PSU, Michigan, Wisconsin, RPI and Bechtel Marine Propulsion Corporation served as co-hosts. Dr. Unlu contributed the picture of the PSU table which highlighted the 60th Anniversary of the Penn State Breazeale Nuclear Reactor.

