Bucknell Engineering Alumni Association
Annual Report
2015-2016
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The BEAA had an extremely busy and successful year. Our great year is evidenced in the progress made during our three annual meetings and events held throughout the year. We continued to have outstanding attendance at our meetings. We have also seen a rise in the number of non-board guests attending meetings. In October 2015 we also welcomed Distinguished Engineering Alumni Award recipient Robert Gilligan to our board meeting. At Homecoming we invited alumni participants in the Connections for Engineers event and during Engineering Week we invited all alumni participants in the Career Networking Event to join our meetings. Full details on the activities of the BEAA Board during July 1, 2015 through June 30, 2016 can be found attached as follows:

- APPENDIX C – Spring Meeting Minutes, April 22, 2016

In 2015-2016, we would like to note the BEAA made significant progress in these areas:

- Career Development – the BEAA Board continued to have excellent attendance at our on-campus events including excellent attendance at the Connections for Engineers event at Homecoming and the Career Networking Event during Engineering Week.
- Off-campus events – the BEAA Board continued to have strong alumni support through our alumni connections that lead to a one-day event at Corning. The day began with a special tour for the BEAA Board followed by an event in the evening open to all alumni and parents in the area. The event attendance was projected at ~35 and we had more than 160 attend the event.
- The BEAA board continued their support of the BEAA Transformative Engineering Education Endowment (TE3) with a goal of $500,000. Through the generosity of the board members, the endowment giving totaled ~$175,000 with 100% participation by the Board of Directors.
- With the growing connection between the BEAA and the engineering faculty, the Communications Chair finalized a comprehensive survey of our alumni and distributed it to our engineering alumni population with active email addresses (~4,000). The response rate was outstanding with more than 825 alumni completing the survey.

Finally, as our year ended we thanked Mitch Blumenfeld ’91 for his many years of service on the board of directors and his time leading the group as our President. Mitch officially handed over the BEAA leadership to Rich McFadden ’87 who will serve as the next President of the BEAA Board effective July 1, 2016.
Appendix A

Friday, October 23, 2015
Homecoming Weekend
BEAA Meeting Agenda & Friday Events

BEAA Board: Scott Bevan, Sandra Boehmer-Fry, Jonathan Cabelly, Gabrielle Carpenter, Michelle Davis, Lisa Domanowski, Tolu Fayanjuola, Marc Henry, Scott Higgins, Jeff Hines, Katie Hoffman, Mark Horvath, Lance Lauletta, Anna MacAlister, John Madison, Rich McFadden, Robert Mulrooney, Mike Rakszawski, Helen Reetz, Stephanie Saravia, Brad Seamans, Vicki Sholtes, Bill Smith, David Sobeck, Aaron Spak, Andrew VanSchooneveld, Brian Wojtysiak

BEAA Student Board: Delaney Charney, Josh Custer, Kevin Green, Kelly Harris (alternate), Addison Haxo, Stephanie Houser, Jasmine Joyner, Li Li, Megan Mulrooney, Ward Prescott

Faculty and Staff: Jim Baish, Craig Beal, Katie Bieryla, Keith Buffinton, Karen Bowersox, Lois Engle, Jeff Evans, Steve Guattery, Mike Malusis, Xiannong Meng, Michelle Oswald, Felipe Perrone, Tim Raymond, Stu Thompson, Joe Tranquillo, Peter Stryker

Guests: Stephanie Bost, Denise Drabick, Christina Garman, Jim Geiling, Darryl Novak, Mike Repasky, Stacy Wolin

Meeting began with a Lunch and Social Time between the BEAA Board members and the Department Chairs in Larison Dining Hall. Rich McFadden, Secretary, filled in for Mitch Blumenfeld and welcomed New Board Members and Guests

Keith Buffinton gave a short presentation on College Updates & then administered Small Group Discussions concerning key traits of Bucknell’s Engineers.

Charles Kim and Nate Siegel gave a presentation on KEEN Updates and Design Challenge which was focused on the programs objectives to allow students to push design boundaries in an environment where they are safe to fail.

Afternoon Meeting Adjourned

ENGR 100 Connections for Engineers Event – Held in Larison Dining Hall
Alumni Participant Prep Session held by Brian Wojtysiak, Jim Orbison, and Sarah Bell
Freshman Engineering students were given the opportunity to meet with approximately 35+ Bucknell University Engineering Alumni for a general discussion concerning careers options after earning an engineering degree in a format to help students solidify their declaration of a specific engineering discipline.

After the ENGR 100 Connections event the BEAA held a BEAA Faculty and Alumni Network Event in the lobby of Dana.
BEAA Agenda  
Saturday, October 24, 2015  
Homecoming Weekend  
Location: Gardner Lecture Hall, Dana 113  
Breakfast: Dana Lobby and Dana 134

**BEAA Board:** Scott Bevan, Mitch Blumenfeld, Sandra Boehmer-Fry, Jonathan Cabelly, Gabrielle Carpenter, Michelle Davis, Lisa Domanowski, Tolu Fayanjuola, Marc Henry, Scott Higgins, Katie Hoffman, Mark Horvath, Diane Hymas, Adam Jacob, Lance Lauletta, Anna MacAlister, John Madison, Rich McFadden, Robert Mulrooney, Frank Pancoast, Stephen Parker, Mike Rakszawski, Christa Rotolo, Stephanie Saravia, Brad Seamans, Vicki Sholtes, Bill Smith, David Sobeck, Aaron Spak, Andrew VanSchooneveld

**BEAA Student Board:** Kelly Harris (alternate),

**Faculty and Staff:** Katie Bieryla, Keith Buffinton, Karen Bowersox, Lois Engle, Michelle Oswald, Tim Raymond, Stu Thompson

**Guests:** Stephanie Bost, Denise Drabick, Christina Garman, Darryl Novak, Mike Repasky

**Opening Remarks:** Mitch welcomed all into the recently renovated Gardner Lecture Hall. Motion was raised to approve the June 2015 minutes. Minutes were approved by unanimous vote.

**CDC Updates, Sarah Bell:** Approximately 800 students attended the on campus Career Fair. The fair was also attended by over 100 employers, approx. 60 had an engineering focus. The CDC received many glowing reports on behalf of the University from employers such as Amazon, Google and Cisco - who were all very impressed with our students.

The Fall Externship program is underway, and students are currently being matched with programs.

**Ward Prescott ’17, Summer Research Project, Electrical Engineer:** As a freshman Ward became very involved with the KEEN Design Challenges which drove his interest in his current project: The HydroSense project. The project objective was to develop lower cost weather sensing equipment. The market for this product seems wide open, since most hydrologists who use this type of product are not EEs – the opportunity for advancement and collaboration is high. Ward noted that he enjoyed the cross discipline nature of the project, the highly technical electrical design content associated with developing the circuit, and working with efficient enclosure manufacturing by our mechanical engineering department.

**Student Society Updates, Student Board Members:**

**ACM, Li Li**
ACM is organizing a number of events this semester, including the bi-weekly lecture series featuring student and faculty research and projects, programming competitions, hackathons and
mock interview workshops. Every other week, ACM invites a student or a professor to talk about a topic either related to his or her research project or interests. ACM has also hosted a Leap Motion design challenge competition and will organize an annual programming competition in the spring semester. In addition, ACM has been making effort to connect to companies in the industry to bring in more career opportunities to Bucknell. So far Microsoft, Amazon and Epic have visited Bucknell campus to conduct on-campus interviews, and Google has conducted a video conference with ACM. For the rest of the semester, ACM will keep hosting bi-weekly lectures and academic and non-academic events to bring Computer Science, Computer Science & Engineering, and Computer Engineering majors together.

*AIChE, Josh Custer*
We are preparing for our national conference (which is now this weekend!). We also have been working with the local section of AIChE to attend facility tours monthly. Working on starting program to integrate students across class years via pairings and events to promote unity.

*ASCE, Kelly Harris presenting for Josh Brown*
ASCE is currently continuing to have bonding events for the students through our trip to Knoebels (with the ASCE youth members in the area) and having volleyball games with s'mores and pizza. We also recently had a flag football game again the MechEs to integrate the different engineering disciplines. We are hosting the ASCE Regional Assembly on November 14th in Academic West. We are continuing to have Civil and Environmental Engineering professionals come in to talk to the students and inform them about what they can use their major for. If anyone wants to come talk to the students, please contact Josh Brown, we would love to have you!

**ASME, Delaney Charney**
Mechanical & Civil Engineering football game- Mechanical lost by one point. We are currently working on scheduling November teacher talks. A finals study break is being planned to provide snacks and tutors for one night during finals week (or possibly reading day). We are planning another ice skating trip since the last one was so much fun! Currently working to host skill seminars where meches can come to learn basic hands on engineering tools such as soldering.

**BMES, Addison Haxo**
There have been a few lunch talks held this semester with a student run presentation coming up on research and other projects that the seniors have been working on. However, the main focus as an organization so far has been on the Annual conference that was held in Tampa Florida this year. We sent 25 people (17 Biomedical engineers, 2 Mechanical Engineers, 1 Biology major, and 5 faculty from our department). This served as a great networking event for many of the students as well as an opportunity for some of us to present, be it during the poster sessions or during the podium talks.

**ChiEp, Stephanie Houser**
Chi Epsilon just sent out our invitations to new members. We are working to decide on an Honor Member for our chapter for this year's initiation. We are also going to be doing an event with the
girl scouts this semester and the boy scouts next semester to teach some principles of civil engineering. We will also be sending representatives to our National Conference in March.

**IEEE, Ward Prescott**
The IEEE is in high spirits this fall with the renovation of 2 of our 4 labs, including a massive overhaul of Dana 111. We'd like to extend our thanks to Matt Lamparter for his tireless efforts in the entire process. Otherwise, we've been doing much of the same great programming as in past years. Just this Thursday we brought in Stephen McGill, for an awesome talk about his experiences as a PHD Candidate on UPenn's RoboCup and DARPA Urban Challenge teams. Other speakers are planned for the fall and the winter. Likewise we've held several Sunday study sessions so far, designed to bring together ECE students across the class years with doughnuts and coffee. Coming up is our semesterly IEEE BBQ, which is always a fun event that brings students, faculty, and BBQ together in a more casual setting. Finally, we're happy to announce that we're starting a study abroad "support group" made up of upperclassmen who've studied abroad and can coach those who are considering it. We think this official body will make it easier than ever for ECE students who desire to study abroad to get the right information early.

**NSBE, Jasmine Joyner**
NSBE has been working to gain membership. So far we've had social trips to the Freez, had a general body meeting, a study jam, and gone to a few campus events together. We are finalizing our preparation for our Fall Regional Conference which is Nov. 6-8. We are excited that we've gained membership from the Class of 2019 and two of those members will be coming along to the conference with us.

**SWE, Megan Mulrooney**
Events already completed this semester: first general meeting and faculty appreciation dinner.

Upcoming Events:

- Working with Boy Scout and Girl Scout troops to promote engineering
- Study Breaks - cookie decorating, ice cream social, etc.
- SWE Engineering Challenge
- Buddy Groups - 4-6 members in each group, 2-3 upperclassmen and 2-3 underclassmen
- SWE T-shirts
- Mentoring Program at the High School - robotics team, first Lego league

**TBP, Kevin Green**
Tau Beta Pi is currently busy with the fall eligibility and initiation process. We just received all the new member applications last week and we are currently reviewing them to determine the elected members for this term. After this process is complete, we will notify all the candidates who have been elected and provide them with more details about the initiation process.

We will also be polishing the bent outside of Dana Engineering with the new members prior to our November 15th initiation ceremony and reception, which will allow us to get to know them and welcome them into our chapter. Although we have been busy with initiation, we hope to
increase member involvement within the organization and are looking into coordinating engineering related talks for late this semester and the spring semester.

**Department Updates, Faculty Liaisons**

*Katie Bieryla, BMEG*
Attended the BMES Conference - Two undergraduates won 2 of 7 awards for undergraduate research.

*Tim Raymond, CHEG*
The department has five (5) students currently studying abroad. The department also received new lab equipment over the summer. This summer research may be difficult due to planned HVAC upgrades in the labs. This year the department is trying to increase flexibility in the overall program to allow more electives by combining some core requirements.

*Michele Oswald, CENG:*
Two new degrees Civil and Environmental are getting close to graduating their first class. One new faculty member joined in Fall 2015. Attended the annual field trip to Baltimore area for multiple construction sites. The department is also looking at how to support the transition to the new FE exam format.

*Stu Thompson ELEC:*
The department is converting a lab to the new open access electrical engineering lab which allows multiple disciplines to use the lab – we will tour it later in today’s program.

*Craig Beal, MECH:*
Not present, Lois read the presentation. Staffing Side welcomed two new members to replace retiring professors. MECH supported multiple summer research projects. Senior Design Projects are receiving increased sponsorship by industry. Mechanical is reacting to the new ABET requirements which allow us increase Mech electives.

*Xianlong Meng, Computer Science.* The department welcomed two new professors. Took three students to a conference in Boston which included a Hack-a-thon. Also attended a conference on women in computing.

**ENGR 290 in Chile, Summer 2016, Joe Tranquillo/Katie Bieryla**
The planned trip is a three week trip to Chile, May to June. The trip will tour the largest building in Chile designed to withstand earthquakes and a unique opportunity to do a 4 day design session with the local Catholic university. Bucknell is looking for alums to join us in Santiago to view portions of a large copper mine, a local vineyard, hopefully take to local Chili class (maybe cooking). We will tour La Serana, - a very dry, very high, location making it an ideal location for telescopes. And not to be understated – Katie is looking forward to hugging a penguin at a large Penguin reserve. We are trying to open it up to the entire University, TE3 is helping to fund students, with a target of paying 50% of the $6,300 fee.

**ENGR 290 in Italy, Summer 2015, Felipe Perrone**
It was a great transformative experience, with Felipe’s wife Lisa attending who teaches Italian. The trip was a huge success, giving all of the engineers who attended a fantastically broad view
of the engineering in a different culture. The students were passionate to learn Italian which allowed them to immerse themselves even further into the whole learning experience - and learning experiences happened all day long! The group landed in Rome, then chartered a bus to Florence. The group walked about 10km per day – with constant learning. The group also attended a class wireless networks in the University of Florence.

The group then moved on to a class at the University of Pisa – learned about how the tower was stabilized. They learned: “If an engineer does not think interdisciplinary, there is something wrong.” The engineers were exposed to a tremendous amount of Art History. The group did have one planned day off – so they went to the beach. After their day off they met with IK Multimedia for high tech iOS programing, then switch gears to Parmesan cheese production, the balsamic Consortium and the Ferrari museum. They visited a waste water treatment site. They attended Expo 2015 in Venice which included the development of coastal defense barriers to protect from tidal waves.

The final week was spent in Rome. The students went to a workshop at the University of Rome. The group wrapped up the visit at an Italian pharmaceutical company and a guided tour of Laquilla Abruzzo to observe post-earthquake restoration. By the last day – the students were able to converse with Italian engineering students.

**Delaney Charney ’16, Summer Internship Experience**
Delany grew up near DisneyLand and Magic Mountain in CA – which sparked her interest in Mechanical Engineering at theme parks. Holly Hodges ’10 and Justin Schwartz ’04 both currently work with Universal Orlando Resort. Over the last two summer’s Delany obtained an internship with Universal and got to work on the Gringott’s Dragon flame system. She learned about shift working, entering the theme park in the evening after the guests left then working late at night with engineers when the parked was closed. Delany self-taught herself AutoCAD and worked on special effects production when redesigning the Transformers, the ride.

Last summer’s internship Delaney actually worked with Oceaneering Entertainment Systems (Universal does not develop their own rides). Worked on Jaws, Revenge of the Mummy, and the Trackless Ride system. Delaney confirmed initiative, interpersonal skills and teamwork are the key drivers to success of engineers.

**BEAA Alumni Survey**
Scott Higgins updated the board on the planned update of the BEAA Alumni Survey. Target is a general alumni resource list for ad hoc alumni resource contacts.

**Closing**
Mitch – Closing Notes – It was a slow summer for committee meetings due to the Summer Dana HVAC upgrades which monopolized a lot of Lois’s time. Committee meetings will be scheduled before the next meeting. Annual report is almost done. See everyone at the dinner tonight!
Appendix B

BEAA Board of Directors Meeting
Weekend Recap and Meeting Minutes
Friday, February 26, 2016

**BEAA Board Attendance:** Scott Bevan, Mitch Blumenfeld, Sandra Fry, Gabrielle Carpenter, Lisa Domanowski, Tolu Fayanjuola, Scott Higgins, Katie Hoffman, Diane Hymas, Lance Lauletta, Anna MacAlister, John Madison, Travis Martin, Rich McFadden, Robert Mulrooney, Donald Myers, Mike Rakszawski, Stephanie Saravia, Brad Seamans, Vicki Sholtes, Bill Smith, Aaron Spak, Andrew Van Schooneveld, Brian Wojtysiak, Andrew Yeatts

**BEAA Student Board:** Josh Custer, Megan Mulrooney, Max Ororbia, Ward Prescott

**Faculty and Staff:** Karen Bowersox, Keith Buffinton, Alan Cheville, Lois Engle, Steve Guattery, Charles Kim, Xiannong Meng, Tim Raymond, Stu Thompson, Mike Toole

**Guests:** Jason Fralick, Jim Geiling, Michael Gorman, George Lavin, Forrest Lysinger, Justin Jones, Richard Koch, Eric Newman, Thomas Paradise, Erin Threet, John Venarchick

**Noon**
Lunch was held in Walls Lounge with the Engineering Department Chairs, BEAA board members and alumni guests from the Engineering Career Network Event.

**1:30**
BEAA board members split up by discipline to hold department meetings with the department heads and other department members.

**3:30**
Engineering Career Network Event was held in both Walls Lounge and the Center Room 256 in Langone Center. Due to the size of the participating alumni group and the unavailability of a single larger room due to construction, the event was split into two rooms. The event was well attended by students who seemed to be very eager to draw value from the event.

**5:30**
The National Engineers Week Dinner Celebration was held in Bostwick Marketplace Dining Hall – Langone Center

**7:30**
BEAA, Alumni, and Faculty Social Time
Location: Walls Lounge, Langone Center, 2nd Floor
BEAA Board of Directors Meeting  
Weekend Recap and Minutes  
Saturday, February 27, 2016  
Location: Gardner Lecture Hall

BEAA Board Attendance: Scott Bevan, Mitch Blumenfeld, Sandra Fry, Gabrielle Carpenter, Lisa Domanowski, Tolu Fayanjuola, Scott Higgins, Katie Hoffman, Mark Horvath, Diane Hymas, Lance Lauletta, Anna MacAlister, John Madison, Travis Martin, Rich McFadden, Robert Mulrooney, Donald Myers, Frank Pancoast, Mike Rakszawski, Christa Rotolo, Stephanie Saravia, Brad Seamans, Vicki Sholtes, Bill Smith, Andrew Van Schooneveld, Brian Wojtysiak, and Andrew Yeatts

BEAA Student Board: Emily Burger (alternate), Delaney Charney, Josh Custer, Kevin Green, Addison Haxo, Jasmine Joyner, Li Li, Keara McKenna (alternate), Megan Mulrooney, Max Ororbia, Ward Prescott

Faculty and Staff: Karen Bowersox, Keith Buffinton, Alan Cheville, Lois Engle, Xiannong Meng, Michelle Oswald, Nate Siegel, Andrew Sloboda, Margot Vigeant

Guests: Sara Bell, Janet Boyd, Jim Geiling, Richard Koch, Forrest Lysinger, John Malone (partial), Winnie Okello, John Rapasky

Breakfast was held in the Dana Main Lobby and Dana 134 Classroom

Call Meeting to Order and General Business, Mitch Blumenfeld, BEAA President

Mitch opened the meeting and was quick to point out we were already ten minutes late, then congratulated the Bio-Meds on their win for 2016 E-Week. Fall Meeting Minutes were passed by unanimous vote. Mitch also noted that tax letters will be resent, since they were missing the letterhead.

Engineering 290 (3 week study abroad to Chile) is on scheduled with 33 students – there have been no student withdraws – so we are full.

Due to the Chile Trip this year’s Reunion Meeting will be held on April 22nd by combining the board meeting and the Corning event scheduled to celebrate the Bucknell-Corning connection. When polled, approximately 50% of the attendees of the meeting believe they can attend. Lois reiterated this is a great opportunity so please try to attend. Part of this meeting will include needed nominations associated with board members coming to the end of their terms.

College Updates and Initiatives, Keith Buffinton

Keith noted his presentation is a bit of a look back, since he is transitioning out of the position of Dean. Keith was grateful for the relationship with the BEAA and its members. Keith noted that
as part of the ExComm meeting Thursday and Friday this inflection point gives us an opportunity to reflect on all we have done and discuss where we want to go.

Diversity at Bucknell has grown in a positive way. Engineering Success Alliance (ESA) has been a success. SoC+ International + Females now make up 58% of the College of Engineering (was 33% in 2000!).

Infrastructure- Mooney Lab, MakerSpaces, Upgraded HVAC in Dana, Academic West, and Academic East is now in planning (expected to be approx. 80% Engineering).

Programmatic: KEEN ideas and Interdisciplinary Senior Design have added focus for team style experience outside of the core classroom based curriculum. The College has added a new degree program (Environmental) and added the Entrepreneurial & Innovation House. The College also hosted the Philadelphia Engineering WE DO Engineering event – first ever Engineering specific event.

The Geisinger Initiative has been a huge success with senior design projects, research initiatives, student internships, summer programs, and faculty sabbaticals beyond the classroom.

**Student Society Updates:**

ACM (Li Li) Hosting bi-weekly lectures and also hosted a hackathon. In April they are planning on hosting programming competition.

AICHE (Josh Custer) Students had a great time with the National Conference. Regional conference in Delaware pending, tours to Jersey Steel, looking for more local tours.

ASCE (Keara McKenna presented for Josh Brown) They are bringing in one speaker per month. Four students went to the regional conference.

ASME (Delaney Charney) The Board is in transition with seniors phasing out and sophomores phasing in.

BMES (Addison Haxo - New President) BMES rolled out a new focus on E-Week – which was a success. Talks planned for next week – starting to look at more speakers.

IEEE (Ward Prescott) New Board elected. IEEE is turning inward for speakers. T-Shirt program working well for spirit & awareness. Looking for alumni to support a Homecoming event for resume and interview tips.

SHPE (Max Ororbia) Everyone has termed out; down to one member. Working with advisor to re-invigorate interest in the society
NSBE (Jasmine Joyner)  Looking for new members on the Board. National convention in March – but it’s hard to miss 5 days of class. Hosting a talk on driverless vehicles

TBP (Kevin Green) Transition plan for members, busy with the spring term eligibility requirements. Officers are transitioning to new members.

SWE (Megan Mulrooney)  Transition plan for members.

ChiEp (Emily Burger for Stephanie Houser) On Thursday they initiated ten new members and hosted a Girl Scout event. One student planning to go the national enclave.

Mitch noted that the seniors transitioning out are eligible for the 0-5 BEAA Board positions.

**Alumni Survey Update**, Scott Higgins
New alumni survey will be going out. The survey has been a great success but we need to keep it fresh. The ExComm committee reviewed the format and have landed on a simple streamlined vision.

**Academic East**, Margot Vigeant, Assoc. Dean of Engineering
In schematic design, as opposed to Academic West which is primarily classroom, Academic East will be primarily labs, right down to the building systems being on display, heavy use of the roof for green analysis.

**CDC Updates**, Sarah Bell
Career networking event was a big success despite the difficult space (two rooms) in the LC. Attendance by registration count seemed low – but many students bypassed the official entrances. Alumni and professors did a good job of getting the word out about the program.

Bucknell is developing good relationships with employers. The software behind “The Bridge” is being upgraded since the backend software company changed. We are now using Simplicity which is helping us to better track our student employment data.

The data is suggesting engineering students are underutilizing CDC counseling – approx. 15% of the students using the CDC.

Sarah demonstrated some of the new University based search features of LinkedIn.

**Executive Committee Strategic Planning**, Mitch Blumenfeld
The BEAA Executive Committee met on Thursday evening and Friday morning. They discussed achieving a better committee attendance and the discussion suggested we need to add time to meetings to facilitate committee discussions.
The ExComm group also looked at the overall BEAA meeting schedule. They concurred Homecoming and E-Week were core meetings, but Reunion weekend – other than cocktails and contraptions -- is not a strong meeting. When raised for discussion in the general Board meeting, the audience concurred that the student touch factor is weak on Reunion Weekend; however, there was general concern over not hosting the Reunion Weekend touch provided by Cocktails and Contraptions. Some discussion was held about focusing on the activity portion of the event and trimming the cocktail hour.

**University and College Maker Spaces**
Alan Cheville, Chair of Electrical and Computer Engineering
Nate Siegel, Asst. Prof. of Mechanical Engineering

The 7th Street Studio is up and running. Bucknell is looking to create a network model of multiple shared spaces. Maker-E and Mooney Lab are part of the network. The intention is for students achieve basic qualifications, then gain card access. The objective is to keep barriers low while keeping an eye on safety.

The Maker-E is a cook shop to bake new electrical systems. The facility allows students to make basic electronics – which we all use. Similar to all Maker Spaces the Maker-E enables students to help create the “Made World”

The University is receiving positive recruitment feedback based on the Maker Spaces. This is a great tool for integrating engineering and liberal arts. Lisa Domanowski shared a very positive experience when she observed the space Friday night. The space was very well attended, with a diverse crowd – doing optional work.

**Nifty Idea Projects**

One barrier to the Maker Space is cost of the materials. The Nifty Idea funds supports (3) three $500 projects per semester.

Sam Wiley, a mechanical engineering student (4th year out of five), gave a presentation of his Nifty Idea Fund project. Sam was always a kid who took stuff apart – but the Bucknell Maker Space gave him the ability to build.

A lictonburg figure is a pattern created by driving electrical current through poorly conductive materials. Sam used the Maker Space to create a safe enclosure for the electrical circuit to drive the enclosure.

[www.thunderstruck-Studios.com](http://www.thunderstruck-Studios.com)

**Closing Business.** Mitch Blumenfeld
Appendix C

BEAA Board of Directors Meeting
Special Meeting and BEN Event: Corning, New York
Event Recap and Meeting Minutes
Friday, April 22, 2016

Board Attendance: Mitch Blumenfeld, Janet Boyd, Michelle Davis, Christina Garman, Marc Henry, Diane Hymas, Lance Lauletta, Anna MacAlister, John Madison, Michael Rakszawski, Helen Reetz, Vicki Sholtes, William Smith, Aaron Spak, and Andrew Yeatts

Faculty and Staff: Karen Bowersox, Keith Buffinton, Lois Engle, Tim Raymond, and Stu Thompson

Student Board: Li Li

Guests: Jim Geiling, Forrest Lysinger, Darryl Novak, and Daniel Weimer

11:30am Lunch was held in the Sullivan Research Park Campus, Corning New York. Board Members were joined by members of the Faculty and our hosts from Corning.

12:30 Keeping with the Corning culture, the meeting and event was started off with a Safety Overview. Being a highly complex research facility, where boundaries are pressed every day, Corning strives to make safety awareness a comfortable, integral part of daily life. The Safety Overview was followed by a presentation on the History of Corning and the breath of Corning’s product offerings.

1:00 BEAA Board members and our guests from Campus were given a special tour of four special areas of the Sullivan Park Lab facilities:
- The Fiber Optic Cable Draw Lab
- The Corning Optical Cable Application Lab
- The Display Applications Lab
- The 3D Printing Lab

3:30 BEAA Board Meeting
A short board meeting was chaired by Mitch Blumenfeld. While the event was well attended, we were just short of a quorum and formal voting could not be held. Mitch mentioned that the February Meeting minutes were complete, and would be mailed out after the meeting – voting for acceptance will be via email or during the fall meeting.
Mitch noted we have several board members terming out and as such new executive positions were changing. Formal voting will be at the Fall meeting. New Executive Committee members include:

Career Development Chair: Vicki Sholtes  
Secretary: Scott Higgins  
President: Rich McFadden  
Communications Chair: John Madison

Marc Henry was recognized as completing his 3-year term – Thank You Marc for all of your support!

During the Fall meeting we will present our DEAA (Distinguished Engineering Alumni Award). We currently have three excellent candidates. Nominees will be forwarded by email. Please watch for the email which will include a request for a vote for this year’s honoree.

Lois closed the meeting by thanking John Madison for initiating and facilitating today’s Corning Event, Mitch for his years of service on the board and invited all to the evenings social events.

3:30 Bucknell President John Bravman, Engineering Dean Keith Buffinton and Associate Professor Wendelin Wright met with Corning S&T Management.

4:45 BEAA Board Members and guests were treated to guided tours of the Corning Museum of Glass

6:00 160+ Alumni gathered in the Corning Museum of Glass for a Bucknell Engineering Alumni Networking event and to say Thank You (but not Good Bye!) to departing Dean Keith Buffinton and departing BEAA President Mitch Blumenfeld.

President Bravman recognized the rich history shared by Corning and Bucknell, thanked our hosts and looked forward to many more years of the special relationship shared between Bucknell and Corning.

Corning treated the Bucknell Alumni to a glass blowing demonstration.

9:30 BEAA Social Event, Radisson Hotel, Corning NY