# Contents

Contents ................................................................. 1
Welcome ..................................................................... 2
What is PSEAS? ......................................................... 3
Board of Directors ...................................................... 4
Board Committees ...................................................... 5
Affiliate Program Groups ........................................... 6
Affiliate Program Group Grants ................................. 7
Development ............................................................ 8
Recognition ............................................................. 9
Communications & Outreach ..................................... 10
Events ....................................................................... 11
Mentoring .................................................................. 12
Engineering Young Alumni Advisory Board ............... 13
Welcome

Welcome to the Penn State Engineering Alumni Society annual report. Our society connects engineering alumni with one another and with the College of Engineering to provide valued programs that further the college’s mission of teaching, research, and service. This report provides an overview of the organization, activities, accomplishments, and future direction of the alumni society.

It is an exciting time, with new directions and initiatives in the college as well as our alumni activities. We welcome you to review the report, suggest programs to enhance our efforts, and join us in further building our community.

Mike Erdman
President, PSEAS
What is PSEAS?
The Penn State Engineering Alumni Society (PSEAS) is a constituent of the Penn State Alumni Association. All College of Engineering alumni are members of PSEAS.

The Society is governed by a Board of Directors, an all-alumni advisory body in the College of Engineering that works closely with deans, faculty, staff, and students to promote and improve the engineering programs at Penn State.

Vision: All Penn State College of Engineering alumni are actively engaged in the support and accomplishment of the goals and objectives of the College of Engineering.

Mission: PSEAS will connect engineering alumni to the College of Engineering and to one another, and provide valued programs that further the college’s mission of teaching, research, and service.

Strategic objectives are:

- Constantly increase the involvement of all Penn State engineering alumni in PSEAS and affiliate program group (APG) events and programming to support the college’s vision.
- Develop and promote a meaningful identity for PSEAS within the Penn State community.
- Execute, support, and improve upon established PSEAS programs and activities.
- Establish and deliver new programming for all engineering alumni that provides enjoyable, value-added, and mutually-beneficial involvement with PSEAS.
- Act as an auxiliary branch of the dean of the college and/or the Alumni Association on special projects and assignments.
- Establish and maintain key committees to implement the PSEAS mission and vision.

This board includes officers and the chairs of the department APGs. An APG is a formal or informal group of alumni and friends of Penn State who share a common interest in a particular academic department. It is a separate sub-organization of the Penn State Alumni Association and is chartered by the college alumni society program. APG activities can be wide-ranging, including networking, mentoring, and student recruitment. PSEAS provides a venue for APGs to collaborate and share best practices.

The PSEAS Board meets three times a year at the University Park campus and monthly by teleconference. To volunteer with PSEAS, contact Emily Gallagher in the Engineering Alumni Relations office at emg5174@psu.edu or 814-865-9031.

Did you know?
The College of Engineering has more than 90,000 living alumni across the globe!
Board of Directors

As of fall 2015, membership stands at 26 board, ex-officio, and honorary members. This includes 20 men and 6 women with an average of 29 years since graduation (1986).

Department representation is the following:

- Architectural Engineering: 2
- Chemical Engineering: 6
- Civil Engineering: 3
- Electrical Engineering and Computer Science: 3
- Engineering Science and Mechanics: 4
- Industrial Engineering: 3
- Mechanical Engineering: 4
- Nuclear Engineering: 1

PSEAS Board and Ex-Officio Membership (Fall 2015):

A. Michael Erdman ’69 E SC, President
Dale Hoffman ’72 EE, Vice-President
Karen Sweeney ’80 BAE, Past President
Ned Brokloff ’82 E SC
Gary Butler ’71 IE
Jane Clampitt ’79 ChE
Grant Crampton ’99 IE
Jack Diviney ’68 CE
Abigail Dodson ‘12 E SC
Jonathan Dougherty ’99 BAE, ’06 PhD
Ken Graziani ’70 ChE
Katie Kirsch ’11 ME, ’13 MS
Matt Krott ’13 ME

Dean Lippold ’91 ChE
Patricia Loftus ’75 Nuc E
Mike McGinley ’73 CE
Chet McQuaide ’65 EE
Casey Moore ’89 CE
Amos Morse ’78 ME
Rich Prewitt ’84 CSE
Rich Randall ’71 ME
Rick Schutz ’72 E SC
Annie Ustynoski ’12 ChE
Frank Arieta ’96 ChE, Honorary
John Mikita ’67 IE, Honorary
Kim Fox ’97 ChE, Honorary
Board Committees

**APG Grants Committee**

The APG Grants Committee supports the activities of the college’s alumni groups by sponsoring an annual grants program. Grants provided support the creation of new alumni programming and events for engineering alumni.

**APG Resource Committee**

The APG Resource Committee identifies areas of education and support for the department and program APGs and provides resources to assist them. This committee facilitates communications and interactions between the volunteer leaders of the college alumni groups and promotes the sharing of best practices between alumni groups.

**Commonwealth Campus 2+2 Committee**

The CC 2+2 subcommittee was formed in 2015 to review undergraduate engineering student transition from the commonwealth campuses to University Park and make recommendations for the college’s transition program.

**Fellowship Committee**

The Fellowship Committee focuses on events and programming to encourage alumni interaction on-campus and elsewhere. Their projects include the annual College of Engineering Alumni Tailgate, a luncheon during the Alumni Association’s Reunion Weekend, and networking events.

**Metrics Committee**

The Metrics Committee is focused on gathering data on the alumni society’s events, programs, development, and awards, to constantly improve upon the society’s initiatives. This committee is responsible for managing the metrics tracking sheet and creating the society’s annual report.

**Outreach Committee**

The Outreach Committee is a key part of PSEAS’ interaction with engineering students, faculty, staff, and alumni. This group has been involved in social media and communications initiatives, alumni/student receptions, resume review events, alumni career panel discussions, and organizing Penn State’s Engineers Week.
**Affiliate Program Groups**

An Affiliate Program Group (APG) is a formal or informal group of alumni and friends of Penn State who share a common interest in a particular academic department or extra-curricular activity. They are a separate sub-organization of the Penn State Alumni Association and the Penn State Engineering Alumni Society.

There are currently twelve APGs in the College of Engineering, each represented by one ex-officio member on the PSEAS Board of Directors. Those leaders follow.

Andrew Berger ’88 EE, President, Penn State Electrical Engineering and Computer Science Society  
adberger@comporium.net

Gary Butler ’71 IE, Past President, Penn State Industrial and Manufacturing Engineering Society  
gbutler@pcc-york.com

Jack Diviney ’68 CE, Civil and Environmental Engineering Society  
jdiviney@GFNET.com

Abby Dodson ’12 E SC, Penn State Engineering Leadership Program Alumni Society  
alid5178@gmail.com

Jonathan Dougherty ’99 BAE, ’06 PhD, President, Alumni Society of Architectural Engineers  
jdougherty@davisconstruction.com

Ken Graziani ’70 ChE, Penn State Chemical Engineering Alumni Group  
kengraz1@aol.com

Braden Gourley ’15 ChE, President, Engineering Ambassadors Alumni Association  
braden.gourley@gmail.com

Annie Ustynoski ’12 ChE, Women in Engineering Program APG  
anie.mcandrew.12@gmail.com

Amos Morse ’78 ME, President, Penn State Mechanical Engineering Society  
amoswmorse@gmail.com

Rick Schutz ’72 E SC, Chair, Penn State Engineering Science and Mechanics Alumni Society  
rickschutz50@gmail.com

Patricia Loftus ’75 NucE, Interim President, Penn State Nuclear Engineering Society  
patricia.loftus1@gmail.com

Vacant, Multicultural Engineering Program APG
Affiliate Program Group Grants
The PSEAS APG Grants Program spurs the creation of department and program APGs and new alumni fellowship events, professional development activities, and department awards. In 2015, the group awarded 8 grants.
Development

In 2015, $54,137 was contributed in gifts and pledges to the PSEAS Endowed Scholarship Fund. This included gifts made in response to the PSEAS appeal letter and proceeds from the Engineering Alumni Tailgate silent auction. Additionally, 100% of the elected PSEAS board members made a gift to the fund. This brings the total book balance of the scholarship to $332,471 and market value to $375,000.

![Graph showing the market value of the PSEAS Endowed Scholarship over the years from 2012 to 2015.]

Market value of the PSEAS Endowed Scholarship

For many years, the scholarship has supported two to three engineering students each year. Thanks to the fundraising efforts of the board, five students were awarded a scholarship at the beginning of the 2015-2016 academic year.
Recognition
The accomplishments and service of College of Engineering alumni and groups were recognized again this year with prestigious awards.

Penn State Alumni Fellow
Naren Gursahaney '83 ME

Penn State Distinguished Alumni Award
Jacqueline Hinman '83 ENV E

Penn State Alumni Achievement Award
Emilia Speal '04 AERO
Rebecca Delaney '06 BAE, MS

Alumni Association Student Interaction Award
PSEAS

Alumni Association Young Alumni Involvement Award
Engineering Young Alumni Advisory Board
Outreach
In 2015, PSEAS continued to reach out to fellow alumni, current and prospective students, and the Penn State Engineering community through communication materials and outreach programs.

The PSEAS Outreach Committee, in conjunction with student groups, planned and sponsored Penn State Engineers Week “EWeek” February 23-26 to celebrate how engineers make a difference. Faculty members hosted lunch and learn tours and talks and the Penn State Society of Women Engineers (SWE) participated in STEM outreach at a local middle school. More than 80 students came out for Trivia Night, sponsored by the Engineering Graduate Student Council. Students sang, danced, and showed off their magic tricks and stand-up comedy in the Engineering’s Got Talent Walk-in Auditions. The alumni society and SWE hosted a Women’s Engineering Leadership Panel Discussion and Reception, featuring a diverse panel of alumni, faculty, and students.

To top off the week, PSEAS sponsored the annual Rube Goldberg Machine Contest. Alumni volunteers served as greeters to community attendees and judges and timekeepers for the competing teams. Six student teams competed to “Erase a Chalkboard” in 20 or more steps and, ultimately, the Society of Engineering Science and American Society of Mechanical Engineers Penn State Harrisburg Chapter represented Penn State at the Division III Live World Rube Goldberg Machine Contest in Columbus, OH, at the end of March.

Join engineering faculty, staff, students, alumni, and friends on the college’s social media sites:

- Facebook
- LinkedIn
- Twitter
- YouTube
- Flickr

Did you know?
This year, the Engineering Penn State magazine went digital. Visit: http://www.engr.psu.edu/alumni/publications.aspx
Events

In 2015, PSEAS hosted alumni, faculty, staff, and students at a variety of events.

Two alumni panels, Making the Transition from School to Work and Career Path Planning, were held.

Alumni volunteers continue to participate in the Resume Review event, held twice a year in conjunction with the Penn State and Engineering Career Fairs and organized by the Engineering Career Resources & Employer Relations office. This event is extremely popular with the students.

The first annual Silicon Happy Valley brought together alumni, faculty, and students from the School of Electrical Engineering and Computer Science to discuss current topics of common interest, to encourage networking, and to share experience in the diverse and evolving practice of the electrical and computer engineering and computer science professions.

The Reunion Weekend alumni luncheon brought together engineering alumni from 1965 and prior to meet with each other, Dean Amr Elnashai, and the PSEAS Board.

The fourth annual Engineering Alumni Tailgate was held in September at the baseball stadium, Medlar Field at Lubrano Park. More than 250 alumni and friends enjoyed picnic fare, great music, and demonstrations by the Engineering Ambassadors. The silent auction benefitting the PSEAS Endowed Scholarship featured unique baskets; an autographed volleyball and football; sports tickets; behind-the-scenes tours at Beaver Stadium, Pegula Ice Arena, and the Arboretum; original artwork by engineering alumni; and stunning photography and jewelry pieces. Proceeds from the silent auction totaled more than $5,000!
Mentoring
Of the many ways alumni give back to the College of Engineering, perhaps none has a greater impact or provides more personal satisfaction for alumni than by serving as mentors to undergraduate students.

The following departments and programs have alumni mentoring programs: architectural engineering, civil and environmental engineering, chemical engineering, the Engineering Ambassadors alumni group, electrical engineering and computer science, industrial and manufacturing engineering, mechanical engineering, and the Women in Engineering program. Information on these individual programs from 2015 follows.

<table>
<thead>
<tr>
<th>APG</th>
<th>Mentors</th>
<th>Mentees</th>
<th>Percentage of Department Undergraduates</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASAE*</td>
<td>44</td>
<td>44</td>
<td>50%</td>
</tr>
<tr>
<td>CEEAS</td>
<td>71</td>
<td>25</td>
<td>7%</td>
</tr>
<tr>
<td>ChEAG</td>
<td>59</td>
<td>4</td>
<td>1%</td>
</tr>
<tr>
<td>ChEAG Facebook</td>
<td>20</td>
<td>68</td>
<td>15%</td>
</tr>
<tr>
<td>EAAA</td>
<td>56</td>
<td>90</td>
<td>-</td>
</tr>
<tr>
<td>EECS**</td>
<td>248</td>
<td>248</td>
<td>29%</td>
</tr>
<tr>
<td>ELAS***</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>PSIMES</td>
<td>73</td>
<td>77</td>
<td>21%</td>
</tr>
<tr>
<td>PSMES**</td>
<td>225</td>
<td>238</td>
<td>27%</td>
</tr>
<tr>
<td>PSNES***</td>
<td>13</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>WEP</td>
<td>110</td>
<td>50</td>
<td>14%</td>
</tr>
</tbody>
</table>

Fall 2015 Mentor Programs
*Mentoring program open to 4th-year students only
**Junior/Senior students only
***Student-driven, includes formal mentorships and networking events
Engineering Young Alumni Advisory Board

Established in fall of 2014, this new advisory board in the College of Engineering aims to reconnect and re-engage with recent engineering graduates.

The Engineering Young Alumni Advisory Board (EYAAB) aligns new ideas and initiatives with activities already underway, to enable the college to connect more meaningfully with its recent graduates, many of whom are spread across the country and around the world.

The board is comprised of ten alumni who graduated from the college within the past ten years. Members serve three-year terms and meet at the University Park campus at least once per year.

Mechanical engineering graduate and PSEAS board member Katie Kirsch, the EYAAB’s inaugural chair, hosted the first meeting in November of 2014. In 2015, the board planned an engineering leadership panel discussion for students and completed a $4300 crowdfunding campaign for student travel abroad funds.

The EYAAB serves as a subset of the PSEAS Board of Directors.

EYAAB Membership (December 2015):

Katie Kirsch ‘11 ME, ’13 MS, Chair
Rebecca Delaney ‘06 BAE, ’06 MS
Abby Kreider ‘12 BAE
Josh Lavra ‘11 ChE
Jason Morris ‘12 EE

Rob Nellis ’13 ME, ’13 Nuc E
Landon Roberts ’08 BAE
Eric Sauder ’08 ME, ’10 MS AE
Elaine Tanella ’12 Bio E
Caitlin Satterfield ’10 IE