History of Agricultural Engineering at Penn State 1976 – 2012

Department renamed Agricultural and Biological Engineering
September, 1990

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College of Agricultural Sciences
College of Engineering
University Park, Pennsylvania
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History of Agricultural Engineering at Penn State

Volume 2

1976 – 2012
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</table>
Department History

Significant Events

June 1, 1976  H. V. Walton became Head of the Department of Agricultural Engineering.

February 2, 1983  Master of Agriculture degree program in Agricultural Mechanization approved.

July 31, 1985  H. V. Walton retired as Head of the Department of Agricultural Engineering. H. B. Manbeck appointed Acting Head.

August 1, 1985  Dennis E. Buffington appointed Head of the Department of Agricultural Engineering.

1985  College of Engineering initiated a Co-op Program giving students the option of working in industry for three non-consecutive semesters.


March 13, 1987  Minor in Agricultural Mechanization Technology approved.

July 1, 1988  Brent Fritz Memorial Laboratory dedicated.

June 17, 1989  Harvey Corson Electronics Instrumentation Laboratory dedicated.

Summer 1990  Agricultural Engineering Program included a General Option and a Food Engineering Option.

November, 1990  Department named changed to Agricultural and Biological Engineering.

November, 1990  Agricultural Mechanization program (AG M) changed name to Agricultural Systems Management and Technology (ASMT).

March 18, 1994  Agricultural Systems Management and Technology program (ASMT) changed name to Agricultural Systems Management (ASM).

March 18, 1994  Agricultural Engineering Graduate program (Ag E) changed name to Agricultural and Biological Engineering (ABE).

March 15, 1996  Agricultural Engineering program (Ag E) name changed to
Agricultural and Biological Engineering (ABE).

March 15, 1996  Agricultural Engineering Minor name changed to Agricultural and Biological Engineering.

July 1, 1998  R. E. Young appointed Head of the Department of Agricultural and Biological Engineering.

August, 2001  Initiated two new, 2-credit courses; one focused on Leadership and the second focused on Communication, that replaced the senior seminar (ABE 490) and Technical Writing (ENGL 202) in Spring 2003.

Spring, 2002  Initiated the Off-Road Equipment minor.

January 2005  Agricultural and Biological Engineering program renamed its two options to be Agricultural Engineering and Biological and Food Engineering.

January 18, 2008  Agricultural and Biological Engineering program was renamed Biological Engineering.

July 1, 2010  P. H. Heinemann appointed head of the Department of Agricultural and Biological Engineering.

August, 2010  Natural Resource Engineering Option added to the Biological Engineering major; Biological and Food Engineering option renamed Food and Biological Process Engineering.

July 1, 2012  Wood Products Faculty from the former School of Forestry were welcomed into the Department.
Redirecting the Department Focus

The beginnings of Agricultural Engineering as a profession and the beginning of what became the Department of Agricultural Engineering are outlined in Volume I of this history.

From the 1970s until 1990 few changes occurred in the academic Agricultural Engineering Program. There were courses that focused on machinery, structures, soil and water, processing and food. Students, by selecting electives developed strength in one or more of these areas. In 1990 the engineering academic program was divided into two Options; the General (or Agricultural Engineering) Option and the Food Engineering Option. Students entering the major were required to select one of these two options and the course work required for each option differed so that students in each of the two options developed strengths appropriate to the selected option.

Emergence of Biological Engineering

Students in the Agricultural Engineering program always understood that Agricultural Engineers appreciated the biological concepts related to the engineering principles being taught. In a few cases, namely North Carolina State University in 1965, Mississippi State University in 1967, and University of Guelph in 1969, the program and/or department name was changed to include some version of the word “biology”. Essentially all other agricultural engineering programs and departments considered biology to be an un-named, implicit (but important) part of the curriculum.

In the early 1990s, under the National leadership of pioneers such as ASAE President Carl Hall, ASEE members Denny Davis and Art Johnson, and University of California faculty member Roger Garrett, a US Department of Agriculture project developed a series of workshops with the focus of creating and lending credence to a Biological Engineering curriculum. Simultaneous with these efforts, there was a decline in the numbers of students seeking degrees in Agricultural Engineering. These two factors led to the emergence of the Biological Engineering effort. New names were given to the subdivisions of the Ag E curriculum including Biotechnical Engineering, Bioenvironmental Controls, Machine Systems Engineering, Bioprocess Systems Engineering, Natural Resources Engineering, and Food Engineering. Lastly, course outlines were developed for a suite of new courses that were considered necessary for Biological Engineers to have completed.

As a result of this effort at the National level, with leadership provided by ASAE, Agricultural Engineering Departments across the nation began to consider if and how they would be a part of this new Biological Engineering movement. At Penn State the faculty took the first step towards Biological Engineering by changing the Department’s name to Agricultural and
Biological Engineering in November of 1990. In March of 1994 the name of the graduate program was changed to Agricultural and Biological Engineering and in March 1996 the name of the undergraduate Agricultural Engineering (Ag E) program was changed to Agricultural and Biological Engineering (ABE). In January 2008, the name of the undergraduate Agricultural and Biological Engineering (ABE) program was again changed to Biological Engineering (BE). The last change to date was in August 2010 when the Biological Engineering program added a third option to the program giving students in the Biological Engineering program the option of choosing either the “Agricultural Engineering”, the “Food and Biological Process Engineering”, or the “Natural Resource Engineering” Option.

With the emergence of Biological Engineering, several Departmental courses were changed and new courses in Biological Systems and Engineering Elements of Biochemistry and Microbiology were added to the curriculum along with appropriate senior-level design courses. The graduates from the engineering program are listed in Appendix 3.

**College of Agricultural Sciences Changes and Changes within the Agricultural and Biological Engineering Department**

July 1, 2012 – The College of Agricultural Sciences restructured thus reducing the number of academic departments from 12 to 9. The Department of Agricultural and Biological Engineering was not affected greatly. However, four faculty members who work in the wood products area moved from the School of Forest Resources (renamed Ecosystems Science and Management, ESM) to Agricultural and Biological Engineering.

These four faculty members are:
Nicole Brown, Associate Professor
John Janowiak, Professor
Paul Smith, Professor
Judd Michael, Professor (maintaining a joint appointment between ABE and ESM)

**Agricultural Mechanization**

Begun in the early 1960s, the Agricultural Mechanization program was a College of Agricultural Sciences undergraduate program designed for students who wished to develop strength in three major areas; (1) basic sciences of mathematics, physics, chemistry and biology, (2) engineering technology with courses in machine systems, building environments, natural resources, food technology, and processing, and (3) business. Since its inception this program has developed graduates with special abilities to work in all areas of the agricultural industry. Over the years a
large majority of these graduates have found employment in the machinery industry, but many have been successful in other areas of agriculture.

After Dave Beppler’s retirement in 1986, James Hilton assumed the leadership role of the Agricultural Mechanization program. Around 2000 Jim relinquished this responsibility to Dennis Buckmaster, who provided leadership until 2006 when he left Penn State. For about two years Paul Heinemann provided leadership to this program until Jude Liu assumed this role in 2010.

Over the years, mostly in response to political pressures, the Agricultural Mechanization (Ag M) program has evolved primarily in name only. In November of 1990 the name was changed to Agricultural Systems Management and Technology (ASMT). In March 1994, the term “Technology” was dropped and what started as the Ag M program in the early 1960s became the Agricultural Systems Management (ASM) program. As the program took on these various names, the content and intent of the program remained primarily the same as described above.

This program has provided many students with viable agricultural based educations that have served them well throughout their careers. Those who have graduated from these programs are listed in Appendix 4.

Communication and Leadership

In about 1999, Joseph Irudayaraj and James Hilton wrote a USDA project that argued that graduates from the Agricultural and Biological Engineering Department needed enhanced instruction in communication and leadership. The funding of this project resulted in the creation of two new courses, both required of all graduates from both the Agricultural and Biological Engineering (ABE now BE) and Agricultural Systems Management (ASM) programs. These two courses, taught from their inception by Ronald Johnson from the Smeal College of Business, emerged in 2006 after a decade of changes into the courses we have today. The first course, BE/ASM 391 Contextual Integration of Communication Skills for the Technical Workplace is a 2-credit course taught during Spring Semester of the junior year. The second course, BE/ASM 392 Contextual Integration of Leadership Skills for the Technical Workplace is a 2-credit course taught during the fall semester of the senior year. These two 2-credit courses replaced a required 3-credit Technical Writing course (ENGL 303) and a 1-credit Senior Seminar (ABE 490). These courses have been well received by the students and have been highly endorsed by the agencies and companies who have hired our graduates.
Turfgrass and Agricultural Equipment (TAE) Service Technician Certification Program

The Turfgrass and Agricultural Equipment Service Technician Certificate Program developed as a result of industry connections of James W. Hilton in 2003. A shortage of skilled technicians to maintain golf course equipment, as well as the contemporary agricultural tractors and machinery, gave further impetus for the program to be commenced. As a result of industry input, the two-year certificate program was formalized with four intensive 8-week sessions plus an internship requirement. Curriculum offerings included: engines, hydraulics, power transfer, electronics, electrohydraulics, hydrostatics, irrigation, turf reel mowers and reel grinding, welding, metal fabrication, shop management, agronomy, business concepts/applications, personnel management, and diagnostics and troubleshooting.

Student successes have included employment at major golf clubs, smaller golf facilities, agricultural equipment dealerships, equipment rental facilities, irrigation design firms, farming, municipal grounds programs, and landscaping firms.

With faculty re-assignments, research, and retirements plus Department renovations and re-focus, the program ended in March 2011. Thirty-five quality technical-minded individuals had been mentored toward their entry into the field of turfgrass and agricultural equipment service.

Faculty who developed and taught the TAE program are:

Dr. James W. Hilton, Program Director, 2003-2011
Dr. Doug Schaufler, Instructor, 2003-2009
Dr. Aaron Yoder, Instructor, 2003-2009
William C. Harshman, Assistant Program Director and Instructor, 2003-2011
Jeff Downing, Instructor, 2009-2010
Bob Wrye, Instructor, 2009-2010

Penn State Omicron Chapter of Alpha Epsilon Honor Society for students in Agricultural Engineering and related engineering programs

The National Organization of Alpha Epsilon was founded in 1959 at the University of Missouri. Alpha Epsilon Honor Society's main objectives are: 1) to promote the high ideals of the engineering profession, 2) give recognition to those agricultural and biological engineers who manifest worthy qualities of character, scholarship and professional attainment, and 3) to encourage and support improvements in the Agricultural and Biological Engineering profession.
The Penn State Omicron Chapter was chartered in 1969 and seeks to honor students in agricultural engineering and related engineering programs, who are duly registered in the engineering curriculum. The selection of members is based on excellent engineering ability, scholarship, character, and leadership.

- Juniors who have a cumulative scholastic rank in the upper quarter of their class in the College of Engineering may be elected for membership after the first month of their junior year.
- Seniors who have a cumulative scholastic rank in the upper third of their class in the College of Engineering may be elected for membership after the first month of their senior year.
- Graduate students who have a cumulative grade point average of 3.25 or higher may be elected for membership after the completion of at least 7 course credits.
- Engineers and scientists who have made important contributions to the Department of Agricultural and Biological Engineering or to the Agricultural and Biological Engineering profession may be inducted into Alpha Epsilon as honorary members.

The Penn State students who have been initiated into the Omicron Chapter are listed in Appendix 9.
# Appendix 1
## Department Faculty

<table>
<thead>
<tr>
<th>Name</th>
<th>Position and Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>F. W. Peikert</td>
<td>Retired as Head of the Department, August 1975.</td>
</tr>
<tr>
<td>J. M. Hoover</td>
<td>Appointed Adjunct Assistant Professor, September 1, 1975.</td>
</tr>
<tr>
<td>H. V. Walton</td>
<td>Appointed Head of the Department, June 1, 1976.</td>
</tr>
<tr>
<td>D. J. Murphy</td>
<td>Appointed Instructor, June 15, 1976.</td>
</tr>
<tr>
<td>J. W. Hilton</td>
<td>Appointed Assistant Professor, June 1, 1978.</td>
</tr>
<tr>
<td>G. R. Bodman</td>
<td>Appointed Assistant Professor, June 30, 1978.</td>
</tr>
<tr>
<td>J. W. Garthe</td>
<td>Appointed Instructor, July 1, 1978.</td>
</tr>
<tr>
<td>R. A. Aldrich</td>
<td>Resigned September 1, 1979.</td>
</tr>
<tr>
<td>M. J. Kern</td>
<td>Appointed Instructor September 1, 1979.</td>
</tr>
<tr>
<td>H. B. Manbeck</td>
<td>Appointed Professor July 1, 1980.</td>
</tr>
<tr>
<td>D. J. Meyer</td>
<td>Appointed Assistant Professor July 1, 1980.</td>
</tr>
<tr>
<td>S. K. Sastry</td>
<td>Appointed Assistant Professor September 18, 1980.</td>
</tr>
<tr>
<td>A. R. Grout</td>
<td>Retired as Professor Emeritus January 1, 1981.</td>
</tr>
<tr>
<td>H. D. Bartlett</td>
<td>Retired as Professor Emeritus May 1, 1981.</td>
</tr>
<tr>
<td>N. H. Wooding</td>
<td>Retired as Professor Emeritus January 1, 1982.</td>
</tr>
<tr>
<td>D. E. Brune</td>
<td>Appointed Assistant Professor January 25, 1982.</td>
</tr>
<tr>
<td>R. E. Graves</td>
<td>Appointed Associate Professor March 1, 1982.</td>
</tr>
<tr>
<td>Name</td>
<td>Event Description</td>
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<td>------------------</td>
<td>-----------------------------------------------------------------------------------</td>
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<tr>
<td>P. N. Walker</td>
<td>Appointed Associate Professor March 15, 1982.</td>
</tr>
<tr>
<td>T. G. Pierson</td>
<td>Appointed Lecturer June 1, 1982 to August 31, 1982 and June 1, 1983 to August 31, 1983.</td>
</tr>
<tr>
<td>S. K. Sastry</td>
<td>Transferred to Department of Food Science March 1, 1983.</td>
</tr>
<tr>
<td>K. M. Mancl</td>
<td>Appointed Assistant Professor September 1, 1983.</td>
</tr>
<tr>
<td>V. M. Puri</td>
<td>Appointed Assistant Professor October 27, 1983.</td>
</tr>
<tr>
<td>J. A. McCurdy</td>
<td>Retired as Professor Emeritus January 1, 1984.</td>
</tr>
<tr>
<td>R. E. Phillips</td>
<td>Appointed Assistant Director, State Program Leader for Extension June 1, 1984.</td>
</tr>
<tr>
<td>C. A. Zuritz</td>
<td>Appointed Assistant Professor August 10, 1984.</td>
</tr>
<tr>
<td>H. A. Elliott</td>
<td>Appointed Associate Professor August 15, 1984.</td>
</tr>
<tr>
<td>J. M. Carson</td>
<td>Appointed Assistant Professor January 2, 1985.</td>
</tr>
<tr>
<td>D. E. Buffington</td>
<td>Appointed Professor and Head August 1, 1985.</td>
</tr>
<tr>
<td>M. E. Schroeder</td>
<td>Retired as Professor Emeritus June 30, 1986.</td>
</tr>
<tr>
<td>P. D. Robillard</td>
<td>Appointed Assistant Professor July 1, 1987.</td>
</tr>
<tr>
<td>J. M. Hamlett</td>
<td>Appointed Assistant Professor September 28, 1987.</td>
</tr>
<tr>
<td>R. C. Brandt</td>
<td>Appointed Lecturer March 1, 1988.</td>
</tr>
</tbody>
</table>
P. H. Heinemann  Appointed Assistant Professor September 1, 1988.

D. R. Buckmaster  Appointed Assistant Professor January 23, 1989.


D. J. Meyer  Resigned August 9, 1991.


C. T. Morrow  Retired as Professor Emeritus June 1996.

C. A. Zuritz  Resigned 1993.

E. F. Wheeler  Appointed Assistant Professor November 1, 1994.

R. D. Shannon  Appointed Assistant Professor August 15, 1995.

D. E. Buffington  Resigned as Head of Department June 30, 1996.

H. B. Manbeck  Appointed Interim Head July 1, 1996.

D. G. Wagner  Appointed Assistant Professor August 1, 1997.

J. Irudayaraj  Appointed Assistant Professor April 1, 1998.

R. E. Young  Appointed Professor and Head July 1, 1998.

A. Demirci  Appointed Assistant Professor July 1, 1999.

A. M. Yoder  Appointed Instructor June 1, 2001.


D. Schaufler  Appointed Instructor 2001.

R. D. Shannon  Appointed Program Coordinator of Environmental Resource Management (ERM) program August 2000.

T. Richard Appointed Associate Professor October 1, 2004.


R. S. Thomas Appointed Instructor January 2006.


W. G. M. Schneider III Appointed Instructor May 1, 2007.

J. Catchmark Appointed Associate Professor October 1, 2007.

J. Liu Appointed Assistant Professor December 1, 2007.

T. Richard Appointed Director of the Penn State Institute for Energy and Environment January 1, 2008.

D. Ciolkosz Appointed Extension Associate August 1, 2008.


R. E. Young Retired as Department Head June 30, 2010.

P. H. Heinemann Appointed Department Head July 1, 2010.


P. N. Walker Retired as Professor Emeritus August 31, 2010.


J. W. Hilton Retired as Associate professor Emeritus June 30, 2011.

A. R. Jarrett Retired as Professor Emeritus December 31, 2011.


Nicole Smith Appointed Associate Professor July 1, 2012.

Judd Michael Appointed Professor July 1, 2012.

P. N. Walker Retired as Professor Emeritus August 31, 2010.


J. W. Hilton Retired as Associate professor Emeritus June 30, 2011.

A. R. Jarrett Retired as Professor Emeritus December 31, 2011.


Nicole Smith Appointed Associate Professor July 1, 2012.

John Janowiak Appointed Professor July 1, 2012.

Paul Smith Appointed Professor July 1, 2012.

Judd Michael Appointed Professor July 1, 2012.
## Appendix 2

### Technicians, Assistants, and Administrative Support Staff

#### Technicians and Assistants

<table>
<thead>
<tr>
<th>Name</th>
<th>Name</th>
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<tbody>
<tr>
<td>R. Bock</td>
<td>E. R. Cieslar</td>
</tr>
<tr>
<td>N. Davitt</td>
<td>K. DeMarco</td>
</tr>
<tr>
<td>J. Drogee</td>
<td>L. Fetzer</td>
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<tr>
<td>T. Foster</td>
<td>J. H. Gummo</td>
</tr>
<tr>
<td>I. Hansen</td>
<td>W. Harshman</td>
</tr>
<tr>
<td>L. Heard</td>
<td>D. Hill</td>
</tr>
<tr>
<td>L. S. Jodon</td>
<td>G. Kann</td>
</tr>
<tr>
<td>S. Knight</td>
<td>T. Laird</td>
</tr>
<tr>
<td>K. Lebowski</td>
<td>B. Macafee</td>
</tr>
<tr>
<td>P. A. Mark</td>
<td>M. Marshall</td>
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<tr>
<td>W. K. Moyer</td>
<td>R. Rao</td>
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<tr>
<td>A. Spangler</td>
<td>S. Steel</td>
</tr>
<tr>
<td>D. Topper</td>
<td>P. Topper</td>
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<tr>
<td>M. A. Wittman</td>
<td>H. Yi</td>
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#### Administrative Support Staff

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<thead>
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<tr>
<td>C. Bloom</td>
<td>C. Butts</td>
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<tr>
<td>T. Confer</td>
<td>M. Connelly</td>
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<tr>
<td>D. Diehl</td>
<td>M. Drake</td>
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<tr>
<td>C. Eckley</td>
<td>B. Hazel</td>
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<tr>
<td>B. Hill</td>
<td>D. Holt</td>
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<tr>
<td>B. Holcolm</td>
<td>M. Hull</td>
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<tr>
<td>P. Irvin</td>
<td>S. Kelleher</td>
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<tr>
<td>A. Maney</td>
<td>P. Newel</td>
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<tr>
<td>W. Nyman</td>
<td>R. Rotz</td>
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<tr>
<td>D. Stout</td>
<td>M. Tourinsky</td>
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<tr>
<td>A. Trella</td>
<td>L. Zellers</td>
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# Appendix 3

## Engineering Graduates

*Indicates M.S. Degree, **Indicates Ph.D. Degree

### Agricultural Engineering (Ag E)

<table>
<thead>
<tr>
<th>Year</th>
<th>Name</th>
<th>Degree(s)</th>
<th>Name</th>
<th>Degree(s)</th>
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<tr>
<td>1976</td>
<td>Robert E. Bos*</td>
<td>Donald R. Cantore</td>
<td>Fred A. Fox, Jr.</td>
<td></td>
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<tr>
<td></td>
<td>Eric S. George</td>
<td>Steven H. Gluck</td>
<td>Timothy P. Hoover</td>
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<tr>
<td></td>
<td>Michael J. Green*</td>
<td>Gary L. Kelso</td>
<td>Amnon N. Manor**</td>
<td></td>
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<tr>
<td></td>
<td>Larry D. Hall</td>
<td>Alan H. Merbaum</td>
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<tr>
<td></td>
<td>Daniel E. Hammet</td>
<td>Fallak S. Sial**</td>
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<tr>
<td></td>
<td>Richard A. Herring</td>
<td>Mohinder Singh*</td>
<td></td>
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<tr>
<td></td>
<td>Walter Hosea Latshaw</td>
<td>Barry R. Skiles</td>
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<td></td>
<td>Gerald D. Lawruk</td>
<td>Bernard E. Smith</td>
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<td></td>
<td>Franklin A. Oellig</td>
<td>Terry E. Snoddy</td>
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<tr>
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<td>Ramesh Pall*</td>
<td>Ted E. Stewart</td>
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<td></td>
<td>Sterlin M. Rebuck*</td>
<td>Thomas R. Stottlemeyer</td>
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<td></td>
<td>John M. Sceiford</td>
<td>Djoko Suharto**</td>
<td>Joseph Tecza*</td>
<td></td>
</tr>
<tr>
<td></td>
<td>James F. Willats</td>
<td>Howard J. Williams</td>
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<td>John Zaganaylo III</td>
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<td>Duane R. Aurand</td>
<td>Betty L. Brockett</td>
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<td>Jon M. Carson</td>
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<td>Darlene S. Gluck</td>
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<td>Blaine K. Delaney</td>
<td>David A. Haines</td>
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<td></td>
<td>William H. Doll, Jr.</td>
<td>Ronald R. Hockensmith</td>
<td>Mark J. Kern*</td>
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<td></td>
<td>Randy A. Greaser</td>
<td>William J. Liberato</td>
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<td>Carl A. Johnson</td>
<td>Gerald W. Longenecker</td>
<td>Stephen T. Mahan</td>
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<td>Timothy J. Krall</td>
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<td>Patrick D. McCloskey</td>
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<tr>
<td></td>
<td>Michael R. Lorenz*</td>
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<td>John E. Messenger</td>
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Roy A. Wetzel
Henry L. Wilusz
Joseph M. Zulovich

1983
Edmond H. Albright
Richard A. Alexander
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Kurt S. Borgoyin
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Bernard E. Coval
Craig H. Davis
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Billy A. Negley
James K. Newman
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Arthur H. Reede, Jr.*
Timothy R. Royer
Robert E. Scheideman*
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1984
Andrew L. Blank
Glyn R. Boone
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David A. Brown
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     Susan N. Frazier  
     Andrew C. Hrynczyszyn  
     William J. Hutzel*  
     Louis A. Kopczyk  
     Jean M. Kruijts  
     Aaron Leake  
     Yanbin Li**  
     Matthew J. McCoy  
     Rita F. Purnell*  
     Timothy S. Stombaugh  
     Girish Subramaniam*  
     William J. Zacharias  

1990  Sharif H. Almashat*  
     Kevin M. Brannan  
     David E. Brauns  
     Donald L. Brough*  
     Joel L. Cuello*  
     Brian W. Engle  
     Larry S. Engle  
     Mark F. Field  
     Brian T. Linvill  
     Brian D. Long  
     Renfu Lu**  
     Cecilia M. Partsch  
     Timothy W. Riegel  
     Daniel P. Schofer  
     Henry L. Seidel  
     Max A. Stanisch  
     Roy F. Stevenson*  

1991  Krista L. Cessna  
     Wade W. Chamberlain  
     Theng M. Cheam  
     Christopher R. Daubert  
     Lewton A. Deichert  
     Dennis J. Gustafson  
     Mark J. Heebner  
     Leon W. Heisey  
     J. David Keener  
     Eric D. Lowe  
     C. Patrick Maggi  
     Paul J. Manns  
     William A. Meacock  
     Scott L. Merritt  
     Patricia A. Mitchell  
     Stephen R. Polloni  
     Lester O. Pordesimo**  
     Rugang Qi*  
     Mohamad R. Razavi  
     Christine A. Retherford  
     Patrick O. Richie*  
     Scott W. Sipple  
     Timothy S. Stombaugh*  
     Yang Tao**  
     Donald R. Whitenight*  
     Dennis P. Whitney  
     Matthew P. Zeigler  

1992  Stephen A. Chordas  
     Jennifer L. Deichert  
     Crile Doscher Jr.*  
     Brian W. Engle*  
     Lawrence A. Fennessey  
     Mark O. Gardner  
     Bryce D. Good  
     Shella R. Hackinson  
     Douglas W. Hamilton**  
     Thomas E. Herlihy*  
     Khoa D. Huynh  
     Sunil Kamath*  
     Christine K. Maggi  
     Ronaldo G. Maghirang**  
     Christopher J. Novosad  
     Cecilia M. Partsch*  
     Tara L. Romano
Brian G. Rupp  
James P. Shedlauskas  
Matthew R. Smith  
Philip J. Squire*  
Ahmad Tabafcabafar**  
Abraham Z. Varghese**  
Robert P. Woemer  
Bradley W. Wright**  

1993 Mohammad H. Bagherzadeh**  
Neal H. Barto*  
Larry K. Brannaka**  
Kevin M. Brannan*  
Todd W. Carenbauer  
Wade W. Chamberlain*  
Randy W. Clouse  
Sydney H. Deck**  
Lewton A. Deichert*  
James A. Dunkelberger  
David S. Elkin  
Daun L. Fitzpatrick  
Jerrold L. Grosh*  
W. Michael Hardin  
Leon W. Heisey*  
Valdis J. Krumins  
Andrew S. Levine  
Eric D. Lowe*  
Randolph E. Manack  
Todd E. Palmer  
Niranjan P. Pathare*  
Christine A. Retherford*  
K. P. Sandeep*  
Holly D. Sharp  
Jeffery T. Smith  
Girish Subramaniam**  
John T. Tyson  
Cheryl F. Vorhauer*  
Edwin A. Wagenheiser  
Eric C. Williams*  
Myron S. Worley*  
Luming Zhou**  

1994 Thomas H. D’Alfonso**  
Tracey J. Dengler-Crawford  
Tomas A. Fajardo*  
Lawrence A. Fennessay*  
Brian J. Fischer*  
Mark O. Gardner*  

Julie A. Hickey  
K. G. Karthikeyan*  
Christopher M. Kirkham  
Aaron K. Lee  
Jenshinn Lin**  
Jodi Litus  
Yan Sheng Liu**  
Jeremy S. Madaras  
Bryan K. Nolan  
Brian S. Noll  
Douglas H. Schaufler**  
Katherine A. Scott  
Jeannie L. Sikora*  
Kevin M. Smith  
Terry L. Strausser  
Jeffrey E. Strulic  
Patrick S. Thompson  
Michael A. Tripodi**  

March 18, 1994  
Graduate program name changed to Agricultural and Biological Engineering (ABE)  

1995 Nathan M. Anderson  
Kent A. Bitting  
Kevin A. Blose  
Deron G. Davis  
Shawn P. Duffy  
Wayne T. Farrow Jr.  
James S. Garvin  
Jennifer L. Goyne  
Bin He*  
J. David Keener*  
Konrad R. Kerr  
Sarah E. Labance  
Robert A. Land  
Dauda D. Ladipo*  
Feng Li*  
Greta L. Martin-Washington  
Stacy G. Maun  
Jonathon D. Mead  
Stephen R. Messier*  
Joseph A. Millen  
Dennis Q. Neff II  
Matthew C. Newton  
Robert F. Olsen  
Shane C. Parson*  
Howard L. Pope III
March 15, 1996

Undergraduate program name changed to Agricultural and Biological Engineering (ABE)

1996

Jason L. Deysher
Crile Doscher, Jr.**
Jose I. Escribens*
Mark C. Fowles
Joseph A. Glotz
James B. Harrold
Travis J. Herrold
Larry L. Hoover
Gary M. Huslak
Sunil Kamath**
Jason E. Kirk
Jeffrey W. Lann
Brent Leatherman
Li Liu**
Shelby P. Magliari
Joseph A. Martinenza Jr.
Joseph A. Millen*
Susan M. Miller
Devlina Mukherjee*
Jennifer M. Nolan
Elizabeth A. Northeimer
Andrew J. Rogowski
Jennifer Rauhofer
K. P. Sandeep**
Andrew J. Schall
Matthew E. Schultz
Nityanand L. Shastri*
Kevin M. Smith*
Steven G. Snyder
Roderick S. Thomas*
Radhakrishnan S. Vilayannur*
Zhijie Wang*
Heather Warren*
Susan L. Wood*
Matthew P. Zeigler*

1997

Sajid H. Alavi*
Brian M. Brochon
Jeffrey K. Brown
Neylor A. Calasans**
Abhijit Chatterjee*
Prentiss P. Douglass
Shawn P. Duffy*
Bethany A. Elkin
Christopher M. Ernst
Daniel R. Fabin
Amy L. K. Forbes
Luke E. Helsel
John R. Hicks
Daniel P. Hindman
K. G. Karthikeyan**
Ali B. Koc*
Vincent D. Lacross*
Matthew J. Lawrence (Ag E)
Ling Eng Low**
Michael W. Lubinsky
Steven J. Lynch
Jeremy S. Madaras*
Greta L. Martin-Washington*
Matthew J. Miller (Ag E)
Jonathan P. Moats
Mark C. Ott (Ag E)
Joel R. Peterson*
Wendy L. Polasko
Cheri L. Salas*
Matthew D. Schaefer
Edie S. Sears*
Aaron B. Stephens
Anthony M. Trout (Ag E)
Zhijie Wang**
Scott E. Wolf

1998

Robert J. Allison
Nathan M. Anderson*
Mohammad H. Ayagi*
Drew E. Becker
Steven M. Brown
Diane E. Chan*
Frederick L. Charles**
Thomas H. Colledge**
Matthew W. Dixon
Benjamin J. Ehrhart*
Handan Erturk**
Stephen J. George
Gary L. Graff
Larry L. Hoover*
Susan K. Hwang
Jason E. Kirk*
Sarah E. Labance*
Brian G. Leib**
William R. Lloyd III
Crystal A. Markley
Jeremy S. Mondonck
David A. Newman
Melissa Nowakowski
Robert D. Oates
Kenneth L. Orie
Matthew D. Plant
Jennifer Rauhofer*
John H. Scarborough
Benjamin T. Stratton
Daniel R. Warner
Benjamin Wisniewski
Troy D. Young (Ag E)

2000

Mark D. Swank
Rebecca S. Wargo
Archie L. Williams*
Scott E. Wolf*
Michele A. Aukerman
Sarah K. Bowen
John E. Cudoc
Lawrence A. Fennessey**
Brian M. Green
Deanna D. Hoekstra
Linchang Huang**
Pamela A. Kayatta
Chad M. Keating
Ali B. Koc**
William R. Lloyd III*
Douglas W. Matthews
Shankar Radhakrishnan*
Ronald W. Roeder Jr.
Michael M. Rubano*
Trevor W. Rudy
Kathleen M. Rut
Joshua B. Ryan
Paul C. Sedesse Jr.
M. S. Srinivasan*
Luke T. Teller
Benjamin Wisniewski*
Susan L. Wood**

1999

David A. Bidelspach
Michael D. Blose
Jeffrey K. Brown*
Robert G. Deeecki III
Steven M. Fagan
Zachary L. Gay
Tawni T. Hoang*
Ragunandan N. Kandala*
Scott L. Kauffman
Jason E. Keller
Jordana L. Langiotti
Feng Li**
Sridhar Loke*
William N. Marrazzo**
Susan M. McNulty
Bhavishya Mittal*
Tom O. Owino**
Shane C. Parson**
Kevin P. Quill
Eugene L. Shelhamer
Puneet Srivastava**
Aaron B. Stephens*

2001

Matthew D. Brubaker
Julia D. Denardo
Shawn P. Duffy**
Eric B. Greenswait*
Sang-Hyup Han*
Todd D. Huber
Barton E. Kirk
Autumn H. Long*
Judson P. Long*
Julie E. Masser
Angela Mazzoni
Chad D. Peters
Matthew P. Pruss
Rakesh Ranjan*
Edie S. Sears**
Hillary M. Sharp
Roderick S. Thomas**
Siza D. Tumbo**
Carolina Vela
Stephen P. Walker
Jennine B. Terrill
Thomas N. Ulrich Jr.

2006
Nathan M. Anderson**
Tracy L. Bender
Holly C. Cinkutis
David L. Dietrich
Jamie L. Fisher
Richard M. Forney
Morgan Hayes
Patrick L. Henry
Michael R. Kreider
Kathirawan Krishnamurthy**
Changying Li**
Todd J. Miserendino*
Lindsay A. Peters
Slade P. Peters
Thunyarat Pongtharangkul**
Bridgette A. Ramer
Haiyu Ren**
Michele L. Seib
Mark R. Sell
Kevin B. Spangler
Alexandra C. Srebro
Michael J. Vassallo*
Erik M. Vranich
Archie L. Williams**
Xinsheng Xie**
Juan Zhao**

2007
Mark C. Baker
Mark A. Bechara**
Ryan A. Bentzel
Katherine L. Bialka**
William R. Brooks
Robert A. Brown
Joseph A. DeChristopher
Joshua S. Eipper
Jeffrey K. England
Travis J. Fisher
Zebulon D. Fultz
Lula T. Ghebremichael**
Rhonda N. Ghilarducci
Jaskaran S. Gill*
Joel Q. Grim
Christopher M. Henry
Yen C. Huang*

Joshua W. Kemmerer
Neha K. Khandke
Kathryn LaVan
Matthew J. Lawrence**
Ross W. Lindley
Garrett S. Mock
Michael Q. Nassry*
Manolya E. Oner*
Robert L. Plank III
Saed Sayyar-Roudsart**
Paul A. Shealer
Nathan W. Shepp
Daniel J. Wagner*
Eric D. White
Thomas O. Wilson

January 18, 2008
Undergraduate program
name changed to Biological Engineering (BE)

2008
Darryl M. Baxam
Douglas K. Brownell (ABE)
Jeremy A. Davis
Reuben J. Dise (ABE)
Justin M. Hall (ABE)
Muhammad Hishamuddin (ABE)
Daniel J. Hopkins, Jr. (ABE)
Rosa M. Jarvis (ABE)
Arjani K. Jha**
Jeremy R. Kauffman (ABE)
Joai M. Koratich
Abraham H. Kuol (ABE)
Caitlin M. Latshaw
Angela D. Lieb (ABE)
Ernest K. Ossevo-Asare
Joseph E. Parisi (ABE)
Daniel M. Paxton (ABE)
Timothy W. Peters (ABE)
Jared A. Puvak (ABE)
Erika H. Reifenstein (ABE)
Kevin P. Resnir Jr. (ABE)
Farzaneh Rezaei**
Rachel Rorick
Drew D. Scarantino (ABE)
Dawn Sedorovich**
Natalie K. Shewski
Kurt M. Smay (ABE)
John W. Stratton (ABE)
John T. Tyson*  
Benjamin B. Unger (ABE)  
Krista A. Virsack  
Eric D. Ward (ABE)  
Patrick J. Wilshire (ABE)  
Patrick J. Woolcock  

2009  
Joshua M. Beichner (ABE)  
Douglas K. Brownell*  
Brandon D. Bufalini (ABE)  
Gustavo G. Carnargo*  
Qin Chen**  
Margaret H. Emerick (ABE)  
Christian R. Fulkman  
Rick L. Hall Jr.  
Keith L. Hodge (ABE)  
Aaron J. Jolin  
Nene M. Keklik**  
Benjamin D. Kemmerer (ABE)  
Kraig S. Kephart (ABE)  
Bao L. Li  
Duane R. Moore (ABE)  
Edward J. Moyer (ABE)  
Josiah S. Newman (ABE)  
Hatice O. Ozden**  
Anuranjan Pandeyya**  
Samuel P. Roberts (ABE)  
Evan Rusadi  
Brett M. Schrey (ABE)  
Scott A. Shore*  
Jena M. Smolko (ABE)  
Deepit Tanjore**  
James A. Tillapaugh*  
Jimmy Truong  
Matthew J. Wagner  
Nathan R. Whited (ABE)  
Haijun Wu**  
Zachary F. Zapisky (ABE)  
Guoshun Zhang**  
Jiayun Zhang*  

2010  
Sarah A. Adams  
Justin M. Becker (ABE)  
Samuel H. Blaydon (ABE)  
Mark G. Buckwalter (ABE)  
Kuan-Chen Cheng**  
Joseph W. Christie (ABE)  
Marlo N. Ciccone (ABE)  
Shauna L. Couch  
Maxwell D. Dettlinger  
Ryan A. Gehringer  
Shawn M. Haas (ABE)  
Alyssa Holgate (ABE)  
Kelly J. Irish  
Gultin Izmirlioglu*  
Deepak Jaiswal**  
Charles D. Johnson (ABE)  
Jason E. Kennedy  
Joshua A. Lesher  
Alex Y. Lin (ABE)  
Nicholas R. Martin  
Michael D. Mckay*  
Andrew D. McLean  
Cory E. Moore (ABE)  
Manolya E. Oner**  
Ryan J. Progin  
Richard T. Reiber (ABE)  
Michael R. Ryan (ABE)  
Simon A. Sassaman (ABE)  
Jessica L. Schwartz (ABE)  
Pamela A. Smith  
Brian A. Stone (ABE)  
N. Kip Totten (ABE)  
Stephen P. Walker**  
Bradley J. Wenger  
Mark R. Williams*  
Marlyse K. Williams**  
Thomas O. Wilson*  
Katherine L. Blansett**  
Benjamin P. Campbell  
Christopher M. Ferry  
Kaitlin E. Fortnam  
Joseph P. Herbstritt  
Stephanie M. Herbstritt  
Daniel W. Hofstetter*  
Yang Hu**  
Collin Julius*  
Benjamin D. Kemmerer*  
Alexander W. Leslie  
Andrew F. Liptock  
Zachary S. Long  
Sandra C. Mateu  
William J. McGrotty  
Preston L. McKinney  
Dana M. Mears*  
Niharika Mishra**  
Todd S. Parker  

23
Lucas M. Powell
Robin M. Pritz
Christopher J. Ritchie
Dustin Shearer
Peter F. Slover
Michael J. Stefanchik
Michael T. Thomas
Serena Wang
David M. Werner
Nathan R. Whited*
Ryan A. Zaks

2012
Jonathan F. Amt
David A. Beckstead
Alex Devaux
Nathan R. Drzal
Christopher J. Felter
Reid W. Garner
Matthew J. Gearhart
Daniel J. Glass
Alexander Greenspan
Jason M. Hegedus
Nathan Hinterberger

Joshua D. Hughes
Brian R. Kelly
Joshua L. Lounder
Jonathan A. Lyne
Isaiah Martin
Jonathan E. May
Eric M. McCann
Thomas A. McCarthy
Kory R. Noggle
John R. Novoshielski
Adam R. Plucinski
Angela M. Raimondi
Sarah E. Richer
Kaitlyn N. Roberts
Matthew T. Ruff
Kyle W. Simpson
Christopher S. Smith
Vincent J. Smith
Scott A. Strobel
Joseph R. Sunder
Andrew G. Vensko
Andrew N. Wolos
Hanfu Zhao
## Appendix 4
### Mechanization Graduates

**Agricultural Mechanization (Ag M)**  
**Master of Agriculture (M AGR)**

<table>
<thead>
<tr>
<th>Year</th>
<th>Name(s)</th>
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<td>Bryan Bard</td>
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<td>Robert P. Bean</td>
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<td>Ronald J. Secord</td>
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<td>Michael J. Wiley</td>
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<td>William K. Christofel</td>
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<td>Adesoji O. Adelaja</td>
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<td>J. Craig Aurand</td>
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<td>Bradley J. Sunanday</td>
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Paul S. Trella

1981  Dale H. Bloom
      Philip D. Dean
      Richard H. Deutsch
      David W. Heider
      Ronald D. Hess, Jr.
      Donald J. Hohn
      Theodore F. Hovermale, Jr.
      Thomas M. Kalasky
      Bradley A. Lewis
      Kenneth J. Martz
      John A. McConnell
      Joan W. Mosteller
      John B. Myers
      John R. Myers
      Steven M. Packer
      Ralph E. Schramm
      Samuel G. Schuler
      Douglas Y. Smith
      James G. Stewart
      Joseph B. Stratton
      Harry L. Vroomen
      William G. Wichser

1982  Leslie A. Bower
      John R. Butcosk
      David J. Custozzo
      Steven M. Eno
      Randall E. Fardelmann
      Steven C. Farney
      Thomas J. Flegler
      George E. Gourley
      David A. Hudish
      James S. Jacklin
      Paul J. Klens
      Ronald M. Koontz
      William R. Korman
      Ronald A. Kraszewski Jr.
      Stephen R. Peck
      Kevin D. Rimmey
      Robert R. Ross, Jr.
      D. Bradley Rowe
      Stuart L. Thompson
      John W. Yeash

1983  Kamran Abdollahi
      Curtis A. Bookhammer
      Ricky L. Butz

1984  Barbara M. Baxter
      Frederic B. Bennett
      C. Daniel Brogdon
      Peter E. Brown
      Brian T. Chick
      Gregg A. Davis
      Kelli G. Hartie
      Mark A. Hewel
      Michael R. Hyduchak
      Richard R. Kincaid
      Steven L. McCosby
      Gary L. Miller
      Kevin R. Moore
      William H. Neilson
      Calvin A. Odhner
      Robert J. Podiaszewski
      Paul N. Schuler
      Randolph A. Weirman

1985  Thomas M. Berge
      Bernie J. Buzulak
      William H. Deitrick
      Thomas J. Dilley
      Glenn Hartz
      Brian D. Harwick
Michael L. Hogue
Vincent J. Jedrzejewski
Carey D. Kalupson Jr.
Timothy W. Kyle
Eric J. Longenecker
Kurt R. Padavano
Gary M. Pokrifka
Richard J. Sanders
David J. Stas
John C. Walter

1986
Timothy J. Bupp
Glen A. Burger
Gregory G. Clarke
Michael T. Donahey
Lowell D. Graybill
Jeffrey L. Havens
Thomas M. Henry
Joseph G. Hughes
Cameron M. Johnson
Robert B. Manns
David A. Radcliffe
John E. Rutherford
Robert A. Scott
Nicholas C. Smith
Blaine A. Stebick
Lynn E. Temple

Stephen E. Adams
Allen C. Augenstein
John S. Baker
Theodore R. Brown
Agrippa M. Dlamini*
Bernhard R. Griwatz
Douglas A. Haagen
Eric M. Hallman
Karl R. Heffner
John C. Hoffman
Kenneth A. Hoover
Stacy A. Kovalchick
Marc P. Stachowski
Ira G. Summerhill

1987
Mark E. Bonson
Timothy E. Enderlein
Gerald D. Faust
Eric M. Hallman*
David D. Heilman
Daniel C. Jandzio
Edward J. Kaufman
Francis G. McCormack
Kyle L. Nicholas
Bruce A. Roy

1989
Patrick K. Fenstermacher
Daniel B. Foresman
Michael L. Groszkiewicz
Troy L. Mest
Robert J. Ratvasky
Kenneth H. Soder, Jr.
Thomas E. Sokol
James J. Stratton

1990
Melinda A. Anderson
Harvey F. Arter, Jr.
Bryan R. Eberly
Drew V. Fletcher
Dale R. Happel
Francis G. McCormack*
Michael W. McCahren
Paul W. Schmidt

November 9, 1990
Name changed to Agricultural Systems Management and Technology (ASMT)

1991
Eric J. Bowersox
James R. Day (Ag M)
Fred J. Perino, Jr. (Ag M)
Donald S. Templeton (Ag M)
Daniel F. Troxell (Ag M)

1992
Daniel P. Basalyga III
Daniel A. Carney
Craig T. Cassidy
John R. Ferringer (Ag M)
Michael L. Groszkiewicz*
Philip C. Jones (Ag M)
Martin D. Reichard
Todd B. Way

1993
Brian K. Brady
George E. Dills
Daniel L. Eppinger
James W. Fitzgerald
Richard R. Hissong
Bret A. Leiphart
Brian R. Macafee
March 19, 1994
name changed to Agricultural Systems Management (ASM)

1994
Donald A. Fair (ASMT)
Timothy B. Groff (ASMT)
Robert J. Jackson (ASMT)
Bryan C. Kaniuk (ASMT)
Willie Keilty
William N. Sage (ASMT)
James D. Smith (ASMT)
David A. Thiel (ASMT)
Christopher D. Thomas (ASMT)
Kevin D. Vandervort (ASMT)
Amy S. M. Werner

1995
Frank J. Roginski Jr.
R. Scott Sahrhage (ASMT)

1996
Dean J. Kohler (ASMT)
Andrew C. Lewis (ASMT)
Mark A. Mangieri (ASMT)
Robert E. McKee (ASMT)
Shane R. St Cyr
David E. Wharry (ASMT)

1997
Brett A. Baron
Daniel A. Cherrie (ASMT)
Scott N. Flanders
Jason J. Henderson (ASMT)
Todd A. Hutzell
Garin R. Ingalls
Aaron M. Yoder

1998
Jarrod S. Angstadt
Clinton J. Burkholder
Andrew B. Cherry
Christopher J. Donovan
Kris L. Hay
Christopher J. Kamzalow

Andrew B. Kumpf (ASMT)
Michael L. Long
David G. Masser
Anthony J. Mihalak
Marc J. Miller
Wade L. Myers
Andrew J. Petro
Alana E. Pore
Erin A. Pore
Scott A. Rebert
Emily Rogers

1999
Eugene M. Barton, Jr.
Brian H. Claypoole
Glen L. Fair
Todd R. Frankenfield
Blake P. Gendebien
Ryan W. Graham
Bryan Grube
Shawn P. Hite
Marc A. Kovach
Timothy C. Owens
Andrew J. Tarman
Jere L. Wingert

2000
Lewis P. Beatty
Gregory E. Dillner
Neal R. Generose
Gregory E. Hawn
Keith A. Hoover
Michael S. Platt
Kurt A. Wearing

2001
Abram E. Brister
Eric D. Moser
Marc T. Valentine

2002
Derek L. Ashenfelder
Glen R. Cauffman*
Philip C. Eby
Daniel J. Mearkle
Brian S. Oberholzer
Jason A. Piwowar
Michael M. Reskovac
Patrick A. Topper
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| 2003 | Heather E. Bowers  
      | Melinda E. Martin  
      | Peter J. Vollmer |
| 2004 | Benjamin W. Ditchcreek  
      | Khaled A. Elrudi  
      | Jeremy J. Matinco  
      | Kathryn E. S. Mosholder  
      | Matthew A. Mosholder  
      | Timothy R. Olver  
      | Nevin R. Sassaman  
      | Andrew C. Schreffler  
      | Adam R. Sieg  
      | Lauren K. Smetanick |
| 2005 | Jason M. Briggs  
      | Aaron M. Kinch  
      | Christopher E. Kovalchick  
      | Nathan C. Leach  
      | Andrew Prusinowski  
      | Jonathan D. Reinecker  
      | Andrew F. Uhland  
      | Adam W. Voll |
| 2006 | David P. Aducci  
      | George V. Agnew  
      | James M. Biddle  
      | Austin G. Binkley  
      | Jason L. Bixler  
      | Richard L. Bupp  
      | Esmond B. Crooke  
      | Allan J. Day  
      | Nathan C. Decker  
      | Ryan T. Gahres  
      | Aaron L. George  
      | Seth J. Gropp  
      | Stefanie M. Pollock  
      | Derek C. Sealand  
      | Adam P. Wivell |
| 2007 | Jay T. Bechdel  
      | Nathan J. Crooke  
      | Seth T. Doman  
      | Thomas J. Doody  
      | Robert J. Garrett  
      | Joshua D. Kratzer  
      | Jason G. Lamm  
      | Ryan P. McCormick  
      | Cody J. Musser |
| 2008 | Jacob C. Altemus  
      | Samuel W. Ditchcreek  
      | Sara M. Karns  
      | Sean M. Kenney  
      | Zachary S. Lauver  
      | Michael B. Miller  
      | Justin R. Olsen  
      | Paris M. Persun II  
      | Richard M. Shellenberger |
| 2009 | Tyler M. Ackley  
      | Timothy D. Artman  
      | Carl P. Bruno  
      | Jacob S. Crooke  
      | Christopher A. Dietrich  
      | Mark F. Hansberry  
      | Benjamin J. Kratzer  
      | Jeffrey H. Leese  
      | Justin S. McRoberts  
      | Alex F. Potosky  
      | Brandon Redmond  
      | Jonathon D. Robinson  
      | Timothy R. Stewart  
      | Ian S. Vranich  
      | Randall A. Wakefield |
| 2010 | Christopher C. Brenner  
      | Nevin C. Dysinger  
      | Scott C. Fitzpatrick  
      | Joseph G. Geary  
      | Matthew T. Henderson  
      | Kyle J. Leh  
      | Robert L. Lomax  
      | Scott J. Milchak  
      | Tyler J. Nehlig  
      | Kyle K. Runkle  
      | David J. Shertzer  
      | Philip L. Slusser  
      | Steven R. Woods |
| 2011 | Robbin Campbell  
      | Victor M. Constable  
      | Bradley H. Dressler  
      | Preston K. Eshelman  
      | Christopher S. Harnish |
Appendix 5

Farm Equipment Service and Sales Graduates

1976  Gary M. Cowden
      Robin R. Hitchner
      Kenneth R. Houser
      Robert S. LaVan
      Todd D. Sloane
      George A. Wilson
      Howard J. Zurn

2012  Jason M. Barnett
      Ryan D. Berkey

Wesley C. Congdon
Christopher M. Dara
David B. Gray
Gabriel N. Hartman
Steven R. Hunsicker
Benjamin S. Kunkel
Zachary S. Neiderer
Korey L. Rider
Russell L. Rohrbaugh
Mark A. Slusser
Brian D. Thrush
### Appendix 6

**Departmental IPAC Members**

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<th>Name</th>
<th>Company/Agency/Title</th>
<th>Years</th>
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<tr>
<td>John W. Ackley</td>
<td>Research Engineer, Deere and Company Technical Center</td>
<td>1973-1978</td>
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<td></td>
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<td>1987-1988</td>
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<tr>
<td>Julie Masser Ballay</td>
<td>Masser Potato Farms</td>
<td>2010-2012</td>
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<tr>
<td>Perry H. Ballek</td>
<td>Division Manager, John Deere Industrial Equipment Co.</td>
<td>1992-1995</td>
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<tr>
<td>William Batchelor</td>
<td>Mississippi State University</td>
<td>2008-2010</td>
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<tr>
<td>David Bidelspach</td>
<td>Stantec, Inc.</td>
<td>2011-2013</td>
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<tr>
<td>Wayne Bogovich</td>
<td>USDA-NRCS</td>
<td>2004-2009</td>
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<tr>
<td>Dante Bonaquist</td>
<td>Praxair, Inc.</td>
<td>2012-2014</td>
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<tr>
<td>Glyn R. Boone</td>
<td>Staff Engineer, Butler Rural Systems, Trus-Joist</td>
<td>1990-1995</td>
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<td>David E. Braun</td>
<td>Senior Sales Engineer, Andritz Sprout-Bauer, Inc.</td>
<td>1992-1994</td>
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<tr>
<td>Mike Brubaker</td>
<td>Brubaker Agronomic Consulting</td>
<td>2000-2001</td>
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<td>David H. Bucher</td>
<td>Senior Division Engineer, Deere &amp; Company</td>
<td>1985-1990</td>
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<td>Dale A. Bucks</td>
<td>USDA-ARS</td>
<td>2001-2002</td>
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<tr>
<td>Robert L. Carper</td>
<td>Manager, Firestone Test Center</td>
<td>1980-1985</td>
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<td>Krista Cessna</td>
<td>Hershey Foods</td>
<td>2002</td>
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<td>Frederick Charles</td>
<td>MFG, Inc.</td>
<td>2001-2002</td>
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<td>Harry Cooper</td>
<td>Procter and Gamble Company</td>
<td>1993-1995</td>
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<td>Miles D. Daub</td>
<td>Director, Process &amp; Product Engineering, Hershey Foods Corporation</td>
<td>1989-1994</td>
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<td>James R. Day</td>
<td>Turf-Teg, LLC</td>
<td>2005-2010</td>
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<td>Lynn Deitrich</td>
<td>Grove Worldwide</td>
<td>2002</td>
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<td>Dave Elkin</td>
<td>Murphy Brown, LLC</td>
<td>2003-2005</td>
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<td>Ray Evans</td>
<td>Titan International</td>
<td>2010-2012</td>
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<td>Robert Evans</td>
<td>North Carolina State University</td>
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<tr>
<td>Daniel Fabin</td>
<td>John Deere Products Engineering Center</td>
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<td>Larry Gaultney</td>
<td>DuPont</td>
<td>1998-2001</td>
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<td>Roland Gehman</td>
<td>President, MGS, Inc.</td>
<td>1971-1976</td>
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<tr>
<td>John R. Graham</td>
<td>Quality Control Engineer, Caterpillar, Inc.</td>
<td>1990-1992</td>
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<tr>
<td>Kenneth J. Guffey</td>
<td>Applications Engineer, FABRAL, Inc.</td>
<td>1987-1991</td>
</tr>
<tr>
<td>David A. Haines</td>
<td>Product Engineer, FABRAL</td>
<td>1984-1986</td>
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<tr>
<td>Kent H. Hamaker</td>
<td>Merck &amp; Company, Inc.</td>
<td>2010-2012</td>
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<tr>
<td>Melvin J. Happe</td>
<td>Vice-President, Engineering, Sperry New Holland</td>
<td>1976-1981</td>
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<tr>
<td>C. Gene Haugh</td>
<td>Virginia State University</td>
<td>2002</td>
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<tr>
<td>Dennis R. Heldman</td>
<td>Executive Vice-President, National Food Processors Association</td>
<td>1986-1991</td>
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<tr>
<td>Robert J. Hoffman</td>
<td>Plant Manager, Ralston Purina Company</td>
<td>1984-1986</td>
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<td>Kenneth Hoover</td>
<td>Cargill-Nutrena</td>
<td>1995</td>
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<td>William J. Howard</td>
<td>Executive Engineer, Ford Tractor Operations</td>
<td>1985-1987</td>
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<tr>
<td>Thomas O. Johnstone</td>
<td>Director, Product Services, FABRAL</td>
<td>1979-1982</td>
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<tr>
<td>William T. Kennedy III</td>
<td>Vice President, Engineering, Sperry New Holland</td>
<td>1984-1986</td>
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<tr>
<td>Barry Kintzer</td>
<td>USDA-NRCS</td>
<td>1997-2002</td>
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<td>W. Hosea Latshaw</td>
<td>USDA-NRCS</td>
<td>2009-2015</td>
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<tr>
<td>Dale Lehman</td>
<td>Section Head, Greenhorne &amp; O’Mara, Inc.</td>
<td>1987-1988</td>
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<td>Dale Lehman</td>
<td>URS</td>
<td>2004-2009</td>
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<td>Feng Li</td>
<td>Merck &amp; Company</td>
<td>2008-2010</td>
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<td>Kelly (Collins) Lindow</td>
<td>Center for Watershed Protection</td>
<td>2011-2013</td>
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<td>Michael Lorenz</td>
<td>Kling Architects, Engineers &amp; Interior Designers</td>
<td>2008-2014</td>
</tr>
<tr>
<td>Mike Machek</td>
<td>GVM, Inc.</td>
<td>1998-2002</td>
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<tr>
<td>Wayne A. Maley</td>
<td>Agricultural Engineer, U.S. Steel Corp.</td>
<td>1973-1978</td>
</tr>
<tr>
<td>Wayne Martenas</td>
<td>CNH Global</td>
<td>2005-2010</td>
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<tr>
<td>Rodney Martin</td>
<td>Director, Farm Systems Research, Agway, Inc.</td>
<td>1970-1975</td>
</tr>
<tr>
<td>Keith E. Masser</td>
<td>Farm Manager, Sterman Masser, Inc.</td>
<td>1980-1983</td>
</tr>
<tr>
<td>William F. Matson</td>
<td>General Manager, Pennsylvania Rural Electric Association</td>
<td>1972-1977</td>
</tr>
<tr>
<td>Samuel McLaughlin</td>
<td>Volvo, Inc.</td>
<td>2011-2013</td>
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<tr>
<td>Name</td>
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<td>Years</td>
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<tr>
<td>Donald E. McCandless, Jr.</td>
<td>Water Management Engineer, USDA-SCS</td>
<td>1977-1983</td>
</tr>
<tr>
<td>Bhavishya Mittal</td>
<td>Millennium Pharmaceuticals</td>
<td>2005-2007</td>
</tr>
<tr>
<td>W. R. Mosig</td>
<td>Product and Manager, FABRAL</td>
<td>1983-1984</td>
</tr>
<tr>
<td>John C. Nye</td>
<td>University of Delaware</td>
<td>1997-2000</td>
</tr>
<tr>
<td>L. A. Parrott</td>
<td>President, McDowell Manufacturing Co.</td>
<td>1971-1976</td>
</tr>
<tr>
<td>Gerald E. Rehkugler</td>
<td>Associate Dean, College of Engineering, Cornell University</td>
<td>1989-1994</td>
</tr>
<tr>
<td>Terry Thomas Ruch</td>
<td>USDA-NRCS</td>
<td>1995-1997</td>
</tr>
<tr>
<td>Jay V. Rush</td>
<td>President, York Farm Credit</td>
<td>1992-1994</td>
</tr>
<tr>
<td>Luther S. Singley</td>
<td>Executive Vice President and General Manager, West Penn Power Company</td>
<td>1977-1979</td>
</tr>
<tr>
<td>Kenneth E. Smith</td>
<td>Executive Engineer, Ford-Holland, Inc.</td>
<td>1991-1996</td>
</tr>
<tr>
<td>Vaughn B. Staller</td>
<td>Manager, Agricultural Division, American Home Foods, Chef Boy-Ar-Dee</td>
<td>1977-1983</td>
</tr>
<tr>
<td>Larry E. Stewart</td>
<td>Chairman, Department of Agricultural Engineering, University of Maryland</td>
<td>1992-1994</td>
</tr>
<tr>
<td>Girish Subramaniam</td>
<td>Fluor Daniel Company</td>
<td>1997-2002</td>
</tr>
<tr>
<td>Jordana Langiotti Swank</td>
<td>Hershey Foods</td>
<td>2008-2014</td>
</tr>
<tr>
<td>Paul O. Swartz</td>
<td>Director, Soil and Water Conservation, DER</td>
<td>1986-1988</td>
</tr>
<tr>
<td>Rosalie Tarris</td>
<td>Hershey Chocolate</td>
<td>1995-2001</td>
</tr>
<tr>
<td>Beth Wagner</td>
<td>Caterpillar, Inc.</td>
<td>1998-2002</td>
</tr>
<tr>
<td>Robert A. Wagstaff</td>
<td>Vice President, Engineering, Sperry New Holland</td>
<td>1983-1984</td>
</tr>
<tr>
<td>Robert D. Wismer</td>
<td>Manager, Product Technology, Deere and Company Technical Center</td>
<td>1979-1984</td>
</tr>
<tr>
<td>Robert G. Yeck</td>
<td>Staff Scientist, Soil, Water, and Air Sciences, USDA</td>
<td>1974-1979</td>
</tr>
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</table>
Appendix 7

Outstanding Alums

The Department of Agricultural and Biological Engineering participates in both the College of Agricultural Sciences and the College of Engineering Outstanding Alumni programs. These programs honor graduates of the colleges who have made outstanding contributions to their professions and society, and are nominated by the departments.

E. E. Finney (M.S. Ag E ’61) College of Engineering; Outstanding Engineering Alumnus. March 21, 1985


Donald Snyder (B.S. Ag E ’57) College of Engineering; Outstanding Alumnus. 1992.


John C. Sager (B.S. Ag E ’64 & M.S. Ag E ’70 & Ph.D. Ag E ’73) College of Engineering; Outstanding Alumnus. 1995.

Perry H. Ballek (B.S. Ag M ’69) College of Agricultural Sciences; Outstanding Alumnus. 1995.

Larry M. Hixon (B.S. Ag E ’66 & M.S. Ag E ’67) College of Engineering; Outstanding Alumnus. 1996.


William J. Bowers (B.S. Ag E ’69) College of Agricultural Sciences; Outstanding Alumnus. 1999.
Donald L. Henninger (B.S. Ag M ’70) College of Agricultural Sciences; Outstanding Alumnus. 2001.

C. Gene Haugh (B.S. Ag E ’58) College of Engineering; Outstanding Alumnus. 2002.

Adesoji O. Adelaja (B.S. Ag M ’78) College of Agricultural Sciences; Outstanding Alumnus. 2002.

Kenneth E. Smith (B.S. Ag E ’67) College of Agricultural Sciences; Outstanding Alumnus. 2004.

Michael R. Lorenz (B.S. Ag E ’75 & M.S. Ag E ’77) College of Engineering; Outstanding Alumnus. 2006.

Wayne M. Bogovich (B.S. Ag E ’80) College of Agricultural Sciences; Outstanding Alumnus. 2006.

Earnest U. Gingrich (B.S. Ag E ’53) College of Agricultural Sciences; Outstanding Alumnus. 2007.

Keith E. Masser (B.S. Ag E ’73) College of Agricultural Sciences; Outstanding Alumnus. 2008.

George E. Logue (B.S. Ag E ’51) College of Agricultural Sciences; Outstanding Alumnus. 2009.

Wayne B. Martenas (B.S. Ag E ’74) College of Engineering; Outstanding Alumnus. 2010.

Lynn A. Dietrich (B.S. Ag E ’73) College of Agricultural Sciences; Outstanding Alumnus. 2010.

Renfu Lu (Ph.D. Ag E ’90) College of Agricultural Sciences; Outstanding Alumnus. 2011.

Yanbin Li (Ph.D. Ag E ’89) College of Engineering; Outstanding Alumnus, 2012.

David C. Curtis, (B.S. Ag E ’72) College of Agricultural Sciences; Outstanding Alumnus, 2012
Appendix 8
Outstanding Recent Alums

The Outstanding Recent Alumni award was established in 2000 to recognize outstanding alumni who have graduated within the last ten years and provide opportunities for faculty, staff, and students to interact with them. Honorees have distinguished themselves through significant career advancement and diverse service to their communities.


Richard R. Hissong (B.S. ASMT ’93) College of Agricultural Sciences; Outstanding Recent Alumnus. October 25, 2002.

David Elkin (B.S. Ag E ’93) College of Agricultural Sciences; Outstanding Recent Alumnus. October 24, 2003.


Brent Leatherman (B.S. Ag E ’96) College of Agricultural Sciences; Outstanding Recent Alumnus. November 3, 2006.


Appendix 9
Engineers Initiated into Penn State Omicron Chapter of Alpha Epsilon
* = honorary

1970 Edward A. Blakeslee
Michael F. Brugger
William L. Everett
Philip J. Ehrhart
Albert R. Jarrett
Barry L. Kintzer
Mahesh Kumar
William M. Miller
Frank W. Peikert*
David S. Ross
John C. Sager
James R. Wilson

1971 Robert A. Aldrich*
Lynn E. Herbst
Joseph J. Lehman
Nuri N. Mohsenin*
Donald O. Norman
Charles G. Perkins
Morris E. Schroeder*
Samuel E. Wehr
Swarnapuri P. Yayathi
George E. Ziegler

1972 Thomas G. Bubenheim
David C. Curtis
George W. Hawkins
Gerand M. Hillegas
Ernesto P. Lozada
Earl A. Myers*
Suresh D. Sawart
William O. Stewart
Jack N. Walter
Oran J. Weaver
Alan D. Wood
Emil C. Wunz

1973 Albert M. Best*
Richard L. Byler
Robert L. Carper
George H. Diener
David G. Lutz

1974 Keith E. Masser
Gary D. Matson
Thomas R. McCarty
Eugene N. Miller
Robert E. Naugle
Emmanuel I. Odigboh
John Pero
Sverker P. E. Persson*
Jack T. Purdy
Marshall L. Quade
Terance W. Repine
Albert J. Wolfkill

1975 Raymond D. Boyer
Lynn A. Deitrich
Paul E. Dietz
William M. Elliot
James V. Husted
Richard A. Keppeler*
Glenn M. Kimmel
Harold E. Myers
John S. Weller

1975 Eric S. George
Larry D. Hall
Neal D. Hallee
Gerald M. Heistand
Barron L. Hetherington
John W. Heyler
Dale R. Hollinger
Walter H. Latshaw
Dean R. Leech
John G. Lutz
Joseph F. Marcin
Wayne B. Martenas
Blaine J. Masemore
Charles T. Morrow*
David P. Mummert
Leslie H. Parmele*
Nathan Rosenzweig
James G. Schenck
1976  Howard D. Bartlett*  David S. Dum  
Blaine K. Delaney  Fouad M. Hamdi  
Franklin A. Oellig  William L. Kjelgaard*  
Ramesh Pall  Mark E. Niewig  
Gary Rimmey  Russell E. Raney  
Alan C. Rotz  Timothy M. Skergan  
John M. Sciford  Lodovico Spinabelli  
Kallak Sial  Paul C. Sweetwood  
Djoko Suharto  Stephen L. Weise  
Kurt Walker  
1977  Kevin Beaver  Badruddin Badrashi  
Michael Bedia  1981  David C. Beppler*  
Fred A. Fox  Steven M. Charles  
Amnon Manor  Janice E. Corle  
Jitendra Mittal  Ashis K. Datta  
Kermit Q. Stephenson*  Kyle F. Dresden  
Peter J. Vanderstappen  John B. Einfalt  
1978  Javier Arce  A. R. Grout*  
James E. Biddle  Michael J. Hills  
Betty L. Brockett  Fernando J. Leon  
Cynthia L. David  Mark C. Mummert  
Randy F. Greaser  Larry M. Muzzelo  
Timothy P. Hoover  Cindy A. Petters  
Gary L. Kelso  Philip E. Risser  
Stephen T. Mahan  David O. Roe  
Ausmus S. Marburger*  Robert E. Scheideman  
Joseph McCurdy*  Randolf L. Whisler  
Royann J. Petrell  
Jeffrey J. Postal  
Chris M. Rosenbaum  
Barry R. Skiles  
Majorie J. Snider  
Thomas R. Stahnkeiner  
1979  Eileen Fabian  Paul M. Anderson*  
Jonathan Garcie  Kenneth R. Brockett  
Roland Gehman*  Lyle S. Fisher  
Mark Kern  Frank M. Kislan  
Robert Laughner  Harvey B. Manbeck*  
Sam McLaughlin  Timothy Matechek  
Jim Schuler  Michael R. Null  
Karl Snyder  Jeffrey R. Phillips  
N. H. Wooding*  Michael R. Raney  
1980  Harold E. Brosius  Abolghasem Shahbazi  
Robert L. Doneker  Dennis P. Smith  
Donald R. Daum*  Nancy L. Smith  

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<tr>
<th>Year</th>
<th>Name 1</th>
<th>Name 2</th>
<th>Name 3</th>
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<tr>
<td>1986</td>
<td>Edward J. Baranski</td>
<td>Timothy J. Bowser</td>
<td>Herschel A. Elliott*</td>
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<td>1987</td>
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<td>Robin L. Firestone</td>
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<td>1988</td>
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<td>Randall G. Bock</td>
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<td>1989</td>
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<td>Robin C. Brandt</td>
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<td>1990</td>
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<td>Edelberto Alcairo</td>
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<td>1991</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>Ramaswamy Anantheswaran*</td>
</tr>
</tbody>
</table>

* Indicates a co-author or editor.
Mark F. Field  
Mark O. Gardner  
Eric D. Lowe

1992  
Kevin Brannan  
Crile Doscher  
Brian W. Engle  
Sunil Kamath  
Valdis J. Krumins  
Yansheng Liu  
Ragang Qi  
Holly Shoener  
Philip Squires  
Liuming Zhou

1993  
Laurel Cisko  
Thomas D’Alfonso  
Tomas Fajardo  
Jerrold Grosh  
Niranjan Pathare  
Christine Retherford  
K. P. Sandeep  
Douglas Schaufler  
Kevin Smith  
Cheryl Vorhauer

1994  
Neylor Calasans  
Daniel E. Ciolkosz  
Shawn P. Duffy  
Handan Erturk  
Daniel Hindman  
Larry Hoover  
K. G. Karthikeyan  
Konrad R. Kerr  
Jeannie Leggett  
Feng Li  
Liu Li  
Tianxiang Lin  
Beth A. Lundmark  
Stephen R. Messier  
Devlina Mukheriee  
Timothy Riegel  
James P. Shedlauskas

1996  
Sajid Alavi  
Nathan M. Anderson  
Jeffrey Brown  
Bethany A. Elkin  
Amy L. Kaleita  
Ali B. Koc  
Vincent D. LaCross  
Brian Leib  
Joseph A. Millen  
Matthew C. Newton  
Thomas Owino  
Joel R. Peterson  
Vilayannur S. Radhakrishnan  
Aaron Stephens  
Roderick Thomas  
John T. Tyson  
Zhijie Wang  
Archie L. Williams

1998  
Michele Aukerman  
Michael Blose  
Sarah Bowen  
Linchang Huang  
Carl Johnson  
Chad Keating  
Sarah LaBance  
Jordana Langiotti  
William Marazzo  
Bhavishya Mittal  
David Newman  
Mark Swank  
Barrett Vaughan  
Rebecca Wargo  
Scott Wolf  
Susan Wood  
Troy Young

1999  
Kirk E. Barton  
Ali Demirci*  
Julia C. DeNardo  
Pamela Kayetta  
Shankar Radhakrishnan  
Rob Strobl  
Ben Wisniewski
2000 Matthew Brubaker
Cho Byoung-Kwan
Remegio Confessor
Lula Ghebremichael
Margaret Gitau
Eric Greenwalt
Todd Huber
Judson Long
Ranjan Rakesh
Heather Schaezle
Walter Schneider
Robert Shannon*
Jason Sperry
Dhal Sushant
Stephen Walker

2001 David Bidelspach
Jesse Burow
Autumn Hawke (Long)
Kathiravan Krishnamurthy
Sheri Lamphere
Michael Reiner
Nadia Sabeh
Ratna R. Sharma
Eric Steigman
Michael Sword
Pingjun Tang
Nathan S. Watts
Jeffrey Werner

2002 Michael A. Brown
Deniz Cekmeceiloglu
Bryce Figdore
Megan Hamilton
Nitin Khandelwal
Ramazan Kizil
Shaowei Liu
Diana Mainone
Christina Peppe
Erica Petre
Ennis Veale
Bradley J. Wagner
Xinsheng Xie
Guoshun Zhang

2003 Katherine Bialka
Jonathan Channell
S. Matthew March

2004 Mark Bechara
Kelly Collins
Joshua Eipper
Patrick L. Henry
Matthew Lawrence
Changying Li
Tan Meesook
H. Oz Ozden
Lindsay A. Peters
Thomas L. Richard*
Alexandra Srebro
Jennine B. Terrill
Erik M. Vranich
Juan Zhao

2005 Mark C. Baker
Robert Brown
Richard M. Forney
Michael R. Kreider
Todd J. Miserendino
Michael Q. Nassry
Haiyu Ren
Farzaneh Rezaei
Kevin B. Spangler
Eric D. White
Patrick J. Woolcock

2007 William Brooks
Douglass K. Brownell
Qin Chen
Reuben J. Disse
Christian Fulkman
Justin Hall
Anjani K. Jha
Nene Meltem Keklik
Niharika Mishra
Manolya Eser Oner
Timothy Peters
Jarad A. Puvak
Dawn M. Sedorovich
Natalie Shewski
Scott Shore
Jena Smolko
<table>
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<tr>
<th>Year</th>
<th>Students</th>
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</table>
| 2008 | John W. Stratton  
Marlyse Williams  
Haijun (Daniel) Wu  
Jeffrey M. Catchmark*  
Kuan-Chen Cheng  
Keith L. Hodge  
Benjamin Kemmerer  
Jude Liu*  
Andrew D. McLean  
Sara A. Pace  
Matthew Wagner |
| 2009 | Sarah Adams  
Gulten Izmirlioglu  
Michael D. McKay  
Dustin Shearer  
Pamela Smith  
Serena Wang |
| 2010 | Sarah Adams  
Gulten Izmirlioglu  
Michael D. McKay  
Dustin Shearer  
Pamela Smith  
Serena Wang  
Jeffrey M. Catchmark*  
Kuan-Chen Cheng  
Keith L. Hodge  
Benjamin Kemmerer  
Jude Liu*  
Andrew D. McLean  
Sara A. Pace  
Matthew Wagner  
Candace Boretzky  
Alex Devaux  
Christopher Ferry  
Jason Hegedus  
Joseph Herbstritt  
Daniel Hofstetter  
Megan Marshall*  
Howard Salis*  
Stella M. Sendagi  
Scott Strobel  
Ross Sundin |
| 2011 | Curtis R. Covelli  
Duygu Ercan  
Gregory T. Fasick  
Collin B. Julius  
Andrew Neal  
Carly Wackerman  
Mohammad S. Zamil |
Appendix 10
TAE Graduates

2004  Ardry, Tom
      Brandt, Kevin
      Gummo, David
      Hinish, Kent
      McCrea, Matt
      Myers, Bill
      Schwartz, Adam

2005  Mauger, Wes
      Moyer, Matt
      Smith, Robert

2006  Diamond, Paul
      Lupini, Derek
      Rhoads, Dustin
      Stitt, Jason

2007  Bartlett, Brad
      Ruhl, Mark
      Saltzman, Randy
      Ulmer, Matt
      Wilkins, Andrew

2008  Condur, Steve
      Michael, Carl
      Richards, Mark

2009  Cowden, Dillon
      Unger, Rick

2010  Avolia, Sam
      Bigelow, Wayne
      Byler, Luke
      Wellar, Kyle

2011  Delbaugh, Luke
      Frankenburger, Dustin
      Grice, Brent
      Haas, Derrick
      Hawn, James
      Smith, Christopher