



COLLEGE OF
ENGINEERING

*Alumni Awards
Banquet*

May 8, 2010





PROGRAM



- 5:00 p.m. **Cocktail Reception**
6:00 p.m. **Dinner**
7:00 p.m. **Presentation of Awards**

Applied Engineering Sciences Distinguished Alumni Award

Donnie D. Hays

Biosystems and Agricultural Engineering Distinguished Alumni Award

Daniel L. Poland

Red Cedar Circle Award in Chemical Engineering and Materials Science

Carl L. English

Civil and Environmental Engineering Distinguished Alumni Award

W.F. Marcuson III

Computer Science and Engineering Distinguished Alumni Award

Vandy Johnson

John D. Ryder Electrical and Computer Engineering Alumni Award

Marvin W. Adams

Mechanical Engineering Distinguished Alumni Award

Pandeli Durbetaki, PhD

Green Apple Teaching Award

Franklin Stofflet

Claud R. Erickson Distinguished Alumni Award

Betty Shanahan



MENU

Hors d'oeuvres — spinach and mushroom crostini; plum tomato, mozzarella, and basil bruschetta; roasted asparagus wrapped in prosciutto

Salad — mixed greens with cherry tomato, cucumber, croutons, and house or ranch dressing

Main course — pan-roasted salmon with cilantro pesto served over white and wild rice pilaf

Dessert — chocolate mousse cake

Music provided by the Andiamo String Quartet



APPLIED ENGINEERING SCIENCES DISTINGUISHED ALUMNI AWARD

Recipients of this award, established in 2004, must have a distinguished career, evidenced by significant accomplishments; possess high standards of integrity that positively reflect on the college and the university; be recognized for leadership in the community; and demonstrate support of the applied engineering sciences program (formerly engineering arts), the College of Engineering, and/or MSU. The winner is selected by the applied engineering sciences alumni advisory board.



**Donnie D. Haye, BS '81,
Engineering Arts / Applied
Engineering Sciences**

Ms. Donnie D. Haye began her career with IBM as a product manager in Princeton, New Jersey. She held various marketing research positions before becoming a financial analyst for the high-end server and storage businesses of IBM's Asia Pacific Group, headquartered in Tokyo, Japan. Donnie later was a part of a small IBM team working on the formation of the Lexmark Corp. She held additional financial management positions in the semiconductor

group of IBM and then was appointed Rochester site and WW AS400 manufacturing controller. She was later named the WW manufacturing controller for the PC business, followed by the position of CFO for IBM's PC business in Europe, the Middle East, and Africa, then headquartered in Paris, France. Donnie later became vice president of operations for one of the server brands and is currently vice president, Client and Channel Enablement, Integrated Supply Chain. In this role she and her teams work with client groups, business partners, and global functions to improve processes and enhance value for IBM clients and their businesses. She has received multiple IBM awards and has a patent pending.

Donnie was raised in Ohio, Indiana, and Michigan. She attended the University of Southern California before transferring to Michigan State University and earning her BS degree in engineering arts (now applied engineering sciences). While at Michigan State, Donnie was elected president of the Alpha Phi sorority and named to the MSU Senior Class Council. She was selected for the 1980 Homecoming Court and the Mortar Board National Honor Society. She was also a member of Tau Beta Pi, Phi Kappa Phi, and Golden Key International Honor Society.

Upon graduation from MSU, Donnie attended the Kellogg School at Northwestern University. She was an FC Austin Scholar and received her MBA in policy, finance, and marketing. She was also a member of Beta Gamma Sigma National Business Honor Society.

Donnie currently resides in Chapel Hill, North Carolina, and works in Research Triangle Park. She enjoys travel (having visited 55 countries), cycling, photography, and gardening. She is a member of the Friends of Duke Chapel. Donnie is an avid Spartan fan and can be seen in green on game day, even while living in the land of the various "shades of blue" (Tar Heel and Blue Devil, that is).

Past Recipients

2004 Philip L. Fioravante (BS '84)

2005 Jane E. Sydlowski (BS '86)

2006 Daniel Brouse (BS '84)

2007 Steven J. Trecha (BS '80)

2008 Monte L. Falcoff (BS '86)

2009 Les L. Leone (BA '68, MA '70, PhD '74)





BIOSYSTEMS AND AGRICULTURAL ENGINEERING DISTINGUISHED ALUMNI AWARD

Established in 2004, this award is given to an alumnus or alumna who has distinguished himself/herself as a leader in the biological/agricultural engineering profession through professional contributions, public service, and personal accomplishments. Alumni who have graduated at least ten years ago with an undergraduate and/or graduate degree are considered.

Daniel L. Poland is an experienced executive with a diverse background in supply chain leadership, R&D, and organizational development.

He earned his BS in agricultural engineering from Michigan State University in 1987 and his MBA in business/finance from the University of Iowa in 2003. He is currently The North American Supply Chain Officer at the H.J. Heinz Company in Pittsburgh, Pennsylvania. He joined Heinz in 1999 as the factory manager at Muscatine, Iowa, and was promoted to general manager of Planning in 2002; to director of Foodservice Operations in 2003; to vice president, Dry Manufacturing in 2005; and to vice president of Heinz North American Manufacturing in 2007. He was promoted to his current position in February of this year.

Prior to joining Heinz, Dan was employed by Nestlé and Gerber in various roles, including R&D, engineering, and operations management. His deep knowledge of the industrialization process has led to many successful accomplishments at Gerber, Nestlé, and Heinz. He also holds a patent for a processing method that uses entire peeled vegetables in a fruit juice.

Dan has significant depth in operational and capital efficiency. He applies his unique academic training and rare career experience across the entire North American Supply Chain, where he is responsible for over \$3 billion in supply chain spend including: procurement – representing 1400 suppliers; logistics – encompassing demand and supply planning, customer service and order to cash, and 52 warehouse locations; manufacturing – including both frozen and dry networks and 22 factories; Global Tomato Supply; and the Heinz Tomato Seed Business P&L – the number one processed tomato seed business in the world. All told, this represents 7,700 team members manufacturing over 4,400 SKUs (stock-keeping units).

Throughout his career Dan has optimized the value chain for various fortune 500 CPG companies. He has been very aware that continuous improvement processes should attack cost and mitigate risk as well as make it easier for customers to conduct business. Dan realizes that good values are just as important as good performance.



*Daniel L. Poland, BS '87
Agricultural Engineering*

Dan has worked in every aspect of research and development and supply chain, and he has the breadth and depth to understand the challenges of today's customer and consumer. He has worked in both foodservice and retail customer areas. He understands the customers and appreciates the challenges that the marketing and sales organizations have in satisfying their needs. His beliefs, attitudes, and behavior are balanced, yet focused. He is a leader of people who believe in organizational learning. He strives to always have a more in-depth knowledge of the challenges that face his internal and external customers. He applies his broad business acumen and continuous improvement skills to deliver results in an ever-changing competitive environment.

After 20 years in the food industry, he is passionate about the business and is determined to make a visible impact and improvements to the industry. To this day, he applies his engineering and business training to improve all aspects of the H.J. Heinz North American Supply Chain.

Dan and his wife, Terri, reside in Pittsburgh. They have two children – Craig and Brittni.

Past Recipients

2004 Bill A. Stout (MS '55, PhD '59)

2005 Benson J. Lamp (PhD '60)

2006 Robert J. Gustafson, PE (PhD '74)

2007 George H. Wedgworth (BS '50)

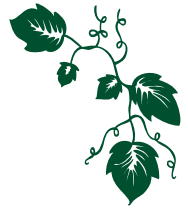
2008 Gary W. Schluckbier (BS '72)

2009 R. Paul Singh (PhD '74)





RED CEDAR CIRCLE AWARD IN CHEMICAL ENGINEERING AND MATERIALS SCIENCE



Initiated in 2000, this award recognizes MSU chemical engineering and materials science alumni for their distinguished service to the profession and outstanding commitment to the community. The Red Cedar River, which passes through the center of the MSU campus, is a favorite gathering place. This award is named in recognition of the importance of this landmark to MSU alumni.



**Carl L. English, BS '68,
Chemical Engineering**

Carl L. English is chief operating officer of American Electric Power. Reporting directly to the chief executive officer, he is responsible for all of the company's utility business operations and related business functions, including regulatory services, environment, safety, health, and shared services operations. He also holds positions on two energy industry boards—the United States Energy Association and the Association of Edison Illuminating Companies.

Prior to his current position, Carl was president of AEP Utilities. In that role, he was responsible for AEP's commercial operations, regulatory services, electric transmission and distribution, and customer operations, serving more than 5 million customers in 11 states.

A native of Jackson, Mich., Carl earned his BS degree in chemical engineering from MSU in 1968. Inspired by Martin Hawley, one of his professors, Carl participated in the national AIChE student design contest his senior year; his third place marked the first time an MSU student had finished in the final top three in that competition. Over the past 35 years, MSU continues to hold the nation's best record for placing in the AIChE National Student Design Competition.

Immediately after receiving his MBA in 1969 from MSU, Carl began his career with Consumers Power Company (now Consumers Energy), a company that

currently serves 1.7 million electric and 1.6 million natural gas customers in Michigan. He progressed through a series of positions with increasing responsibilities. He served as vice president of Gas Distribution and Customer Services, vice president of Electric Distribution, and president and CEO of the Gas Division. Upon his retirement from Consumers after 35 years of service, here is what some of his co-workers said about him: "He leaves a record of accomplishments that will positively impact the company for years to come." "Carl is a gifted leader who demonstrates integrity and wholeness of character, treating everyone with great regard, no matter what their station in life." "I admire his work ethic, his integrity, the way he touches peoples' hearts, and his laugh-out-loud humor. Carl is a man of great character . . . and he is a character."

A testament to his deep dedication to his hometown of Jackson, Carl had served on a number of industry boards and committees during his career with Consumers. He continues to be extremely active in his community today, serving as board chair of Directions for Youth & Families and the New Albany Community Foundation. In addition he serves on the boards of the United States Energy Association, CompeteColumbus, the Columbus Association for the Performing Arts, the Wexner Center for the Arts Foundation Board, and the Columbus Symphony Board. He also serves on the Columbus Downtown Housing Investment Funds Board and is chair of the United Way of Central Ohio's 2010 Campaign.

Carl and his wife, Linda, live in New Albany, Ohio. They have two daughters, Marcy and Jessica. Jessica resides in Birmingham, Mich.; she received her BS in supply chain management from MSU in 2002. Marcy and her husband, Grant Berakovich, live in Royal Oak, Mich.; they are both graduates of Albion College.

Past Recipients

2000 R. William Caldwell (BS '38)
Edwin J. Crosby (BS '50)
Michael H. Dennis (BS '43)
Bernard A. Paulson (BS '49)
William J. Hargreaves (BS '46)
John D. Hetchler (BS '35)
C. Robert Weir (BS '42)
Wilfred G. Shedd (BS '50)

2004 Herb Kirby (BS '56)
George E. "Ted" Willis (BS '42)
2005 John Ogren (BS '65)
John W. Pridgeon (BS '58)
2006 Joon S. Moon (BS '60)
2007 William B. Larson (BS '53)
Richard V. Pisarczyk (BS '68)
2008 Terence K. Kett (MS '65, PhD '68)
2009 Alton "Rick" Berquist (BS '61)





CIVIL AND ENVIRONMENTAL ENGINEERING DISTINGUISHED ALUMNI AWARD



Recipients of this award, first presented in 2003, must be: graduates of the department; national leaders in their profession; contributors to the department, the college, or the university in some meaningful way; and community leaders whose actions reflect favorably on Michigan State University. Nominations are made by faculty, alumni, and other supporters of the department. The department's professional advisory board selects the winner.

W.F. Marcuson III is one of the nation's leading civil engineers. He was elected to the National Academy of Engineering in 1996 for his contributions to the design and analysis of embankment dams. He received a BS from the Citadel (1963), an MS from Michigan State University (1964), and a PhD from North Carolina State University (1970), all in civil engineering. He joined the staff of the U.S. Army Engineer Waterways Experiment Station in 1970 and was director of the Geotechnical Laboratory from 1981 until his retirement in 2000. Bill was responsible for research, development, and analytical studies from both the theoretical and practical viewpoints in the fields of soil mechanics, engineering geology, rock mechanics, earthquake engineering, geophysics, military pavements, and Army mobility. His work responded to problems inherent in dam and levee design and structures; drainage design and construction; design, construction, evaluation, maintenance, and rehabilitation of both permanent and expedient military pavement systems; combat engineering and theater of operations construction; soil stabilization; and other related physical sciences. He worked in the United States and overseas as required by the activities of the Corps of Engineers, the Department of the Army, and other agencies.

Bill's research activities have focused on experimental and analytical studies of soil behavior related to geotechnical problems, seismic design and analysis of embankment dams, and seismically induced liquefaction of soils. He has authored more than 100 publications and serves as a consultant to national and international government and private organizations on geotechnical problems and projects, especially those involving seismic remediation.

He is a licensed professional engineer in Mississippi, Louisiana, and South Carolina and a chartered engineer in the United Kingdom. He is a member of a number of professional and technical societies and is most active in the American Society of Civil Engineers (ASCE).

An honorary member and fellow of the ASCE, he has served in many capacities including secretary, vice chair, and chair of the Geotechnical Engineering Division; chair of the Committee on Soil Dynamics and the Committee on Publications; president of the Mississippi Section; Zone II vice president and 2007 president. Additionally, he served as chair of the United States National Committee for the International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE).



*W.F. Marcuson III, MS '64,
Civil Engineering*

Bill received the Walter L. Huber Research Prize, the Government Civil Engineer of the Year, and the Norman Medal, all from ASCE; the Federal Government Engineer of the Year in 1995 from the National Society of Professional Engineers; the Presidential Rank Award of Meritorious Executive from the federal government; and the Silver de Fleury Medal from the Army Engineer Association. He is the only engineer to be named the Corps of Engineers' Engineer of the Year twice (1981 and 1995) and the Corps recognized him as Civilian of the Year in 1997.

He and his wife, Margaret, currently live in Vicksburg, Mississippi. They have a son, Eric, and a daughter-in-law, Lauren, who live in the Philadelphia, Pennsylvania area. Margaret is active in the local Catholic Church, and in his spare time Bill enjoys hunting and fishing.

Past Recipients

2003 Leo Nothstine (BS '38)	2006 Alton L. Granger, PE (BS '54)
2004 Leroy R. Dell (BS '66)	2007 Paul H. Woodruff (BS '59, MS '61)
2005 Ben C. Maibach III (BS '69)	2008 Frank J. DeDecker, PE (BS '49)
	2009 James K. Wight (BS '69, MS '70)





COMPUTER SCIENCE AND ENGINEERING DISTINGUISHED ALUMNI AWARD

Established in 2004, this award recognizes an alumnus or alumna who has distinguished himself/herself as a leader in the computer science and engineering profession through professional contributions, public service, and personal accomplishments. Nominations are made by faculty, alumni, and other supporters of the department. The winner is selected by the department chairperson and advisory committee.



Vandy Johnson, BS '82,
Computer Science

Vandy Johnson is vice president of global IT infrastructure operations and support at Medtronic, a leader in medical technology based in Plymouth, Minnesota. He is responsible for leading the development, implementation, and support of a global IT infrastructure that supports and sustains the company's business strategy. Last year, Vandy's global infrastructure team won the SNW / *Computerworld* award for

Best Practices in Virtualization and Cloud Computing and Nemertes Research PilotHouse innovation awards in three categories: Best Overall IT Innovator, Best Innovator for Sustainable Data Center and Best Innovator for WAN/ ACS/ Branch Office. Also in 2009, Medtronic IT was named one of *Computerworld's* 100 best places to work and was cited as a member of the *InformationWeek 500*.

Vandy earned his BS degree in computer science from Michigan State University in 1982. During his time at MSU, he worked as a programmer analyst for the state of Michigan's Department of Natural Resources. Upon graduation, he joined General Mills, where he held numerous roles of increasing responsibility in IT, most recently as the senior director of information systems operations. In this role, he was responsible for worldwide IT infrastructure and system operations, including voice and data networks, security, enterprise data, computer operations, and technical services. In other roles at General Mills, he was responsible for company-wide SAP implementation; led corporate IT

system development; was on the startup team for a new General Mills business—home delivery of restaurant-quality food; and led General Mills syndicated market research, International IT, and IT infrastructure and operations. After more than 25 years at General Mills, he left to become vice president of global IT infrastructure at Medtronic.

He is a life member of the MSU Alumni Association and a member of the MSU Jonathan L. Snyder Society. He currently serves on the Michigan State University College of Engineering Alumni Association Board; the MSU Department of Computer Science and Engineering Strategic Partners Council; the University of Minnesota, Carlson School of Business, Executive Advisory Board on Curriculum; and the Minnesota State University-Moorhead Computer Science & Information Systems Advisory Board. He also serves on advisory councils for Microsoft, Dell, and IBM. He is a senior member of the Association for Computing Machinery as well as a member of the Institute of Electrical and Electronics Engineers (IEEE), the computer society of the IEEE, and the communications society of the IEEE. He was a member of the review team for the IEEE Guide to the Software Engineering Body of Knowledge. He is also a Certified Data Processor (CDP), a Certified Systems Professional (CSP), and a Certified Computing Professional (CCP).

Vandy and his wife, DeAnne, a senior IT manager for General Mills, have two children—Skip and Summer. They reside in Plymouth, Minnesota.

Past Recipients

2004 Kevin J. Ohl (BS '78)

2005 Julie Louis-Benaglio (BS '79)

2006 James R. Von Ehr II (BS '72)

2007 Honda Shing (MS '88, PhD '92)

2008 Moti Kishin Jiandani (MS '81)

2009 Martha L. Gray (BS '78)





JOHN D. RYDER ELECTRICAL AND COMPUTER ENGINEERING ALUMNI AWARD

Established in 2004, this award commemorates the outstanding professional contributions of John D. Ryder, former dean of the College of Engineering and a professor in the department. Nominations are made by alumni, faculty, and students. The department's advisory committee selects the award winner in consultation with the chairperson. The award is given on the basis of contributions in furthering the mission of the department—which is to provide undergraduate and graduate education characterized by quality, access, and relevance; and to develop distinctive research programs in electrosiences, systems, and computer engineering, with the promise of sustained excellence as measured in scholarship, external investment, reputation, and impact.

Marvin (Marv) W. Adams is executive vice president of technology and operations at TIAA-CREF, a fortune 100 financial services company and the leading retirement system for people who work in the academic, research, medical, and cultural fields. A member of the firm's 11-person executive management team, Marv is responsible for the organization's technology and operations strategy and policy. He also oversees the company's continual upgrade of corporate systems and technology infrastructure and ensures an integrated approach between TIAA-CREF information technology and operations groups.

Marv joined TIAA-CREF in January 2010 from Fidelity Investments, where he was president of shared services. His responsibilities included oversight for IT, operations, real estate, and procurement functions. Prior to Fidelity, Marv served as chief information officer for Citigroup, Bank One Corporation, and Ford Motor Company, building a nearly 30-year career focused on leading information technology, corporate strategy and integration, and process-engineering initiatives.

In addition to his corporate responsibilities, Marv is currently a technology adviser to Warburg-Pincus, a

global private equity firm. During the past 15 years, he has served on several corporate boards, been asked to advise the chief information officer of the United States Army, and participated in a variety of nonprofit organizations, including Focus Hope and the Leukemia & Lymphoma Society.

He received his BS in electrical engineering from Michigan State University in 1981. He also completed executive programs at Stanford University and Massachusetts Institute of Technology.

Marv and his wife, Lynn, reside in Saline, Michigan. They have three daughters, a son-in-law and one grandson. In his spare time, Marv enjoys downhill skiing, running, reading, and traveling.



*Marvin W. Adams, BS '81,
Electrical Engineering*

Past Recipients

- | | |
|---------------------------------------|---|
| 2004 David A. Pahl (BS '86) | 2007 George H. Simmons (BS '73, PhD '81) |
| 2005 Brian M. Kent (BS '80) | 2008 Robert W. Leland (BS '85) |
| 2006 Gregg A. Motter (BS '73, MS '80) | 2009 Seyed Hossein Mousavinezhad (MS '73, PhD ' 77) |

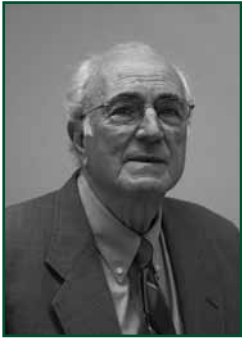




MECHANICAL ENGINEERING DISTINGUISHED ALUMNI AWARD



Established in 2004, this award honors a graduate of MSU's Department of Mechanical Engineering who has a minimum of 15 years of professional experience in an engineering or engineering-related field; provides leadership in engineering, engineering education, the related sciences, or technical management; contributes to the department, the college, or MSU; and is actively involved in the community. The winner is selected in consultation with the department's advisory committee and board of visitors.



*Pandeli Durbetaki, PhD '64,
Mechanical Engineering*

Pandeli "Lee" Durbetaki is a professor emeritus in the George W. Woodruff School of Mechanical Engineering at the Georgia Institute of Technology. He has conducted research primarily in the fields of stratified charge operation of spark ignition engines, irreversible thermodynamics, and homogeneous and heterogeneous ignition of fuels. He has consulted on problems related to the flammability of

carpets, injury from tar explosion, fire hazard criteria for noise control products in underground coal mines, manufacture of roofing material, and design and testing of traction type transmission. He has directed several projects funded by grants from the National Science Foundation, the National Bureau of Standards, and the U.S. Department of Energy. He has also received grants from the Georgia Institute of Technology and the Georgia Tech Foundation for undergraduate laboratory development and research in the area of combustion.

He received his BSME from Robert College Engineering School, Istanbul, Turkey, in 1951; his MS in mechanical engineering from the University of Rochester in 1954; and his PhD in mechanical engineering from Michigan State University in 1964. He served on the faculty of both the University of Rochester (1954-1960) and MSU (1960-1964) before joining the faculty at Georgia Institute of Technology.

Lee was awarded two National Science Foundation Science Faculty Fellowships (1961-1963). He was named Engineer of the Year in Education in 1985 by the Atlanta Section of the American Society of Mechanical Engineers (ASME), and in 1991 was named Engineer of the Year in Education by Metro-Atlanta Engineers' Week. He was selected as one of the Top Ten Profs in 1981 by the student section of ASME at Georgia Tech and received recognition in 1984 for Outstanding Service. In 1987, he was awarded the American Society of Engineering Education, Middle-Atlantic AT&T Foundation Award for Excellence in Instruction of Engineering Students, and the SAE Ralph R. Teetor Educational Award.

In his role as research and faculty adviser, he has directed the research of 54 MS and PhD students. He has authored and co-authored more than 100 journal publications, conference papers, and research reports. He was also a member of the team at Georgia Tech that engineered the 1996 Olympic relay torch.

Lee is a life fellow of ASME. He has served the Atlanta Section of ASME as treasurer, vice chairman, program chairman, and chairman. He has served as assistant vice president for professional development on the board of ASME Region XI and as vice president of ASME Region XI. He currently serves as member and treasurer of the ASME Old Guard Committee.

He served as a member of the visiting committee of the Department of Mechanical Engineering at Michigan State University from 2001-2004 and is currently serving as a member of the visiting committee of the School of Engineering and Applied Sciences, University of Rochester.

Lee and his wife, Elisabeth, live in Sandy Springs, Georgia. He enjoys gardening, fishing, and photography.

Past Recipients

- | | |
|---|--------------------------------|
| 2004 Kristin B. Zimmerman (BS '87, MS '90, PhD '93) | 2007 Donald B. Paul (BS '68) |
| 2005 Joseph C. Klewicki (BS '83, PhD '89) | 2008 Daniel J. Inman (PhD '80) |
| 2006 Patrick M. Miller (MS '60, PhD '66) | 2009 David L. Joyce (BS '78) |





GREEN APPLE TEACHING AWARD

Established in 2006 at the suggestion of College of Engineering Alumni Association Board member Joseph M. Colucci (BS '58 Mechanical Engineering), the Green Apple Teaching Award honors a K-12 teacher who has inspired students to study math, science, and engineering. The Engineering Undergraduate Studies Office solicits nominations from our graduating seniors; the final winner is decided by the Engineering Undergraduate Studies Committee, which is made up of faculty and students. The honoree receives a cash award, and book scholarships are given to selected students from that teacher's school district who opt to study engineering at MSU.

Frank Stofflet, now retired, taught chemistry and physics at Natrona County High School (NCHS) in Casper, Wyoming, for 40 years. During that time, as a member of the district-wide curriculum committee, he was involved in many changes in the science offerings. First, there were honors courses in science, then advanced placement courses, followed by teaching the principles of technology, creation of the Natrona Academy, and finally the initial work to obtain the International Baccalaureate school.

He was the sponsor for the science club at NCHS for more than 30 years. He developed a high school demonstration team that traveled to elementary schools to demonstrate requested science principles. The best was a magic show and a laser show involving the principles of chemical change and the properties of light. Frank coached many competition teams for JETS (Junior Engineering Technical Society), PhysicsBowl, and the National Science Bowl. The JETS team placed in the top three in the state of Wyoming numerous times, while the Science Bowl team went to nationals in 2002.

A charter member of the Central Wyoming Phi Beta Kappa and the Natrona County Academy, Frank has received many awards and acknowledgments over the years: The Presidential Scholars Program Teacher Award (2003), nominated by Jacob Temme (Andrew's brother); the Vernon C. Bulgram High School Chemistry Award from the University of Wyoming (2004); and a lifetime service award from the Wyoming Math Science Teachers Association (2005). He has been a Tandy Scholar Certificate recipient twice, received an Exceptional Coach Award from JETS on two occasions, and is an honorary member of the National Honor Society. But Frank has expressed that the best awards are the smiles

of the students when they enter the classroom.

Frank and his wife of 50 years, Joyce, have been involved in ranching and farming, and operated a farm until just three years ago. Joyce was a homemaker raising their three children—Franklin W., Krista, and April—and putting up with defunct science experiments! Together, Frank and Joyce have served in organizations like Special Olympics, Senior Services, the MS Society, Habitat for Humanity, Mended Hearts, and The Blue Envelope Health Fund. He is the instructor and team coordinator for the Mended Hearts visiting team in Casper, Wyoming, and a member of the Wyoming Medical Center Auxiliary.

In retirement, they enjoy recreation on their land in the Pedro Mountains in Wyoming, gardening, and attending the various after-school activities of their grandchildren.

Frank has often stated: "I have taught all the way from the slide rule to the PC." He believes that 99.9 percent of a teacher's efforts should be in the classroom. After attending a one-room school and getting his diploma by correspondence, Frank devoted a total of 45 years to teaching.



*Franklin Stofflet, BS '59, MS '63,
University of Wyoming;
nominated by Andrew Temme*

Past Recipients

- 2006 Eileen M. Slider (BS '75, Central Michigan University, MA '83, Michigan State University, secondary instructor for Webberville Community Schools)
- 2007 John W. Plough (BA '78, MA '84, Michigan State University, secondary instructor for East Lansing High School in Michigan)
- 2008 William Finch (BS '84 South Dakota State University; Master Teacher Certification '04, Texas A&M University)
- 2009 John West (BS '72, Western Michigan University; MS '77, Michigan State University)





COLLEGE OF ENGINEERING CLAUD R. ERICKSON DISTINGUISHED ALUMNI AWARD



Dean Lawrence Wayne Von Tersch established the Claud R. Erickson Distinguished Alumni Award in 1982. Claud Erickson, for whom the award was named, was the first recipient. Since then, it has been given annually to a College of Engineering graduate with a minimum of 15 years' professional experience who has attained the highest level of professional accomplishment; provided distinguished and meritorious service to the College of Engineering and the engineering profession; and engaged in voluntary service at the local, state, national, and/or international level.



Betty Shanahan,
BS '78, Electrical Engineering

From the start of her career, Betty Shanahan has been a model engineer. Everything she does, she does with passion and intensity.

She began work at Data General Corporation in 1978 as a hardware engineer, designing and developing microcode for minicomputers. In her first major project, she worked within a team composed of a number of new graduates. Their assignment: to design a next generation computer. They were given an immense amount of responsibility and opportunity. Not only was that a great "jump start" for her career, notes Betty, but it also established her self-confidence in trying something new and trusting her skills. That project eventually became the subject of the book *Soul of a New Machine*, written by Tracy Kidder.

Published in 1981, it won a Pulitzer Prize and an American Book Award.

The status of being the lone woman engineer, or one of just a few, has been a trend throughout Betty's career. While she was a senior at MSU, she was elected as the first female president of the Student Engineering Council. When she took her first job, at Data General, she was the first woman engineer to be employed at the company's Westborough, Mass., development facility. However, that has not deterred her advancement. She has been on the forefront of electronic hardware and software technology. Her technical achievements include designing and developing hardware simulation and validation systems; introducing object-oriented software technology,





which became the basis of several products; and managing the development of six application-specific integrated circuits (ASICs), which were fully functional on the first production run. Over her career she has been responsible for products and technologies in document viewing and conversion, parallel processing, signal processing, and computer-aided software engineering. Most recently she was the vice president of product management and marketing for the Software Components Division of Stellant, Inc.

After 24 years in industry, she moved on to become the executive director & CEO of the Society of Women Engineers, a 20,000-member not-for-profit educational and service organization founded in 1950. SWE is the driving force that establishes engineering as a highly desirable career aspiration for women. SWE empowers women—professionals as well as students—to succeed and advance in those aspirations and be recognized for their life-changing contributions and achievements as engineers and leaders.

Under her leadership SWE has increased membership by 37 percent; doubled their operational income; increased their public policy profile; and developed a strong headquarters staff, a respected professional development program, and a diversity and inclusion strategy. Due to Betty's passion and leadership, SWE is recognized as a "go to" group for STEM education issues and Title IX.

Betty has been involved with SWE since her days as a student at MSU and was awarded Fellow Grade in 2002. She served on the board of directors of Women in Engineering Program Advocates Network (WEPAN) from 2002 to 2004, and is currently a board member of the Council of Engineering and Scientific Society Executives (CESSE). Most recently, she was selected to serve on the MSU College of Engineering Alumni Association Board. She is a member of the Institute of Electrical and Electronics Engineers, the Association for Computing Machinery, and the American Society of Association Executives. With her Certified Association Executive designation, Betty is also recognized as a leader in the association management community.

A leader in the field of engineering education, she participates in several forums that advance

diversity in the STEM pipeline and engineering profession, including the Junior Engineering Technical Society (JETS) board of directors, Clemson University College of Engineering and Science Advisory Board, the National Girls Collaborative Project Champions Board, and the Engineers Week Diversity Council. She was just named to the National Academy of Engineering committee on "Changing the Conversation: From Research to Action," a project to improve the public understanding of engineering.

She has also been actively involved in her community. She was a member of the School Sisters of Notre Dame (Chicago Province) Development Board and the Rush Hospice Partners Community Advisory Board.

Betty has demonstrated meritorious service to MSU and the College of Engineering. As a life member of MSU's Alumni Association, Betty has financially supported the college, been a speaker at MSU's Society of Women Engineers events, and has been involved with activities and fundraising events with the Chicago Spartans. She is also on the leadership team for an endowment that is being developed for MSU's Women in Engineering program.

In addition to her BS degree from MSU, Betty earned a master of software engineering degree from the Wang Institute of Graduate Studies (now part of Boston University) in 1984, and an MBA from the University of Chicago Booth School of Business in 2000.

Betty has excelled in a variety of career roles. Regardless of her assigned role, she always seeks ways in which she can contribute to the team. She has successfully led and created engineering and marketing departments, and has developed processes and special teams to ensure overall success. Her national reputation produces continuous requests for speaking engagements and press interviews.

Betty currently resides in Chicago. She met her husband, Bob Nuber, during their first term at MSU in a calculus class. Bob earned his BS in computer science from MSU. Betty is a dedicated Chicago White Sox fan who attends as many Sox home games as her schedule allows. She is a little bit of a "foodie," enjoying the creations of talented chefs and playing amateur chef.





CLAUD R. ERICKSON



Claud Erickson, born in Manistee, Michigan, lived from 1900 to 1993. He had to help support his family during high school and took a full-time job immediately after graduation.

At the urging of work associates who recognized his talents, Claud began college, but it was a constant financial struggle. At times, faculty members chipped in to keep him in school.

Claud ultimately received four engineering degrees from MSU, beginning with a bachelor of science in 1922. He later earned degrees in mechanical (1927), electrical (1933), and civil engineering (1934) and held a consulting professional engineer's license. He also studied law and was qualified to practice before the United States Supreme Court.

He became the director and general manager of the Lansing Board of Water and Light and spent more than 50 years making the utility a strong, progressive force in the Lansing area. He was a nationally respected figure in public works, and in 1971 the Board named a new power plant in Delta Township after him.

Community activism was a way of life for Claud. He was the Ingham County chairman of the U.S. Treasury Savings Bond Drive for 50 years, beginning in 1941. He was honored in 1991 at the age of 91 by the U.S. Treasury Department for his 50 years of patriotic volunteer service. He was the only person in the United States known to have directed a local

drive continuously since the program began during World War II.

He was a delegate to the Michigan Constitutional Convention, chairman of the Ingham County American Red Cross, and a trustee of St. Lawrence Hospital. He served at various times as president of the Lansing Rotary Club, the City Club of Lansing, the American Public Power Association, the Michigan Engineering Society, and the Greater Lansing Area Safety Council.

He and his wife, Thelma, were the parents of one son and four daughters. He was an avid stamp collector and was considered one of the nation's top authorities on electric-powered vehicles. He admired the simplicity of an electric car. He said, "It has only eight moving parts, and four of those are wheels."

Always maintaining close ties with MSU, Claud served on the MSU Foundation's first board of directors. He was asked by President John A. Hannah to oversee the construction of the Alumni Chapel. He also supervised the completion of 7,000 married-student housing units in just five months to accommodate U.S. servicemen returning to campus after World War II.

Claud always attended the spring commencement exercises of MSU's College of Engineering and the initiation ceremonies of the Chi Epsilon civil engineering honor society, and he kept close tabs on each alumnus who won the Claud R. Erickson Award.

When asked by President Hannah at one point, "Why do MSU alumni come back to campus year after year?" he responded, "Because they love the University that offered them the hand of friendship and the open door of opportunity."





CLAUD R. ERICKSON DISTINGUISHED ALUMNI AWARD RECIPIENTS

1982	Claud R. Erickson	BS '22, MS '33 Electrical; MS '27 Mechanical; MS '34 Civil
1983	R. William Caldwell	BS '38 Chemical
1984	Harold C. MacDonald	BS '40 Mechanical
1985	William J. Mottel	BS '51 Chemical
1986	John H. Busch	BS '51 Civil
1987	John D. Withrow	BS '54 Mechanical; MBA '71
1988	Melville R. Barlow	BS '51 Mechanical
1989	Robert J. Schultz	BS '53 Mechanical; MBA '69
1990	Harold F. Wochholz	BS '58, MS '59 Electrical
1991	William B. Larson	BS '53 Metallurgical
1992	Gerald W. Pearson	BS '55 Chemical
1993	Paul H. Woodruff	BS '59, MS '61 Civil
1994	Bernard A. Paulson	BS '49 Chemical
1995	Robert M. Fredericks	BS '67, MS '68, PhD '71 Electrical
1995	John C. O'Malia	MS '72 Sanitary
1996	Richard M. Hong	MS '67, PhD '70 Electrical
1997	Charles R. Weir	BS '42 Chemical
1998	Raymond S. Colladay	BS '65, MS '66, PhD '69 Mechanical
1999	Leroy R. Dell	BS '66 Civil
2000	Michael H. Denno	BS '43 Chemical
2001	Richard H. Brown	BS '71 Mechanical
2002	Roger L. Koenig	BS '76 Electrical
2003	Joseph M. Colucci	BS '58 Mechanical
2004	George E. "Ted" Willis	BS '42 Chemical
2005	John Ogren	BS '65 Chemical
2006	James R. Von Ehr II	BS '72 Computer Science
2007	Joon S. Moon	BS '60 Chemical
2008	Charles J. Brady	BS '48 Mechanical
2009	Richard V. Pisarczyk	BS '68 Chemical





MICHIGAN STATE UNIVERSITY ALUMNI ASSOCIATION AWARD RECIPIENTS

DISTINGUISHED ALUMNI AWARD

1947	Charles Edward Ferris	BS 1890 Engineering
1950	Jay Samuel Hartt	BS '15 Electrical
1951	Grover Cleveland Dillman	BS '13 Civil
1953	Charles D. Curtiss	BS '11 Civil
1953	Verne L. Ketchum	BS '12 Civil
1955	William Frank Uhl	BS '02 Engineering
1957	Maurice J. Day	BS '34, MS '35, PhD '37 Chemical
1957	P. Edward Geldhof	BS '14 Engineering
1957	Stanley B. Hunt	BS '29 Civil
1959	Louis A. Carapella	BS '37 Engineering
1959	Bernard F. Coggan, Jr.	BS '39 Engineering
1959	Arthur F. Vinson	BS '29 Engineering
1960	Christian F. Beukema	BS '40 Engineering
1961	James H. Foote	BS '14 Engineering
1961	Frederick H. Mueller	BS '14 Engineering
1962	Grayton F. Dressel	BS '24 Engineering
1962	Stanley V. Gunn	BS '47 Mechanical
1963	Richard W. Cook	BS '33 Engineering
1963	Walter F. Patenge	BS '23 Engineering
1965	John C. Mackie	BS '42 Engineering
1976	Clare F. Jarecki	BS '33 Civil
1978	William R. Barrett	BS '39 Engineering
1979	John R. Hamann	BS '37 Engineering
1984	John D. Withrow	BS '54 Mechanical; MBA '71
1987	Robert J. Schultz	BS '53 Mechanical; MBA '69
1991	Verghese Kurien	MS '48, PhD '65 Mechanical
1998	Lloyd D. Ward	BS '70 Mechanical
1999	Richard L. M. Lord	BS '53 Chemical
2002	Roger L. Koenig	BS '76 Electrical
2003	Joseph M. Colucci	BS '58 Mechanical
2003	Paul H. Woodruff	BS '59, MS '61 Civil
2004	Alton L. Granger	BS '54 Civil
2004	James R. Von Ehr II	BS '72 Computer Science
2005	Gerald Elson	BS '64, MS '65 Mechanical
2005	Ben Maibach III	BS '68 Civil
2006	Joon S. Moon	BS '60 Chemical
2007	Ghassem Asrar	MS '81 Civil
2007	Surinder Kapur	BS '64, MS '65, PhD '72 Mechanical





MICHIGAN STATE UNIVERSITY ALUMNI ASSOCIATION AWARD RECIPIENTS

DISTINGUISHED YOUNG ALUMNI AWARD

2007	Jeff Schmitz	BS '97 Mechanical
2009	Gerald Reuben DeJean, II	BS '00 Electrical

ALUMNI SERVICE AWARD

1998	Roger Bandeen	BS '72 Computer Science
1998	Leroy Dell	BS '66 Civil
1999	William Larson	BS '53 Metallurgical
2005	Molly Brennan	BS '82 Computer Science
2005	Michael McDonald	BS '87 Chemical
2006	Anan Chaikittisilpa	MS '69 Civil
2009	Lynn Bechtel	BS '91 Mechanical

HONORARY ALUMNI AWARD

2006	Mackenzie Davis	Professor Emeritus, Civil
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PHILANTHROPIST AWARD

2001	Alton L. Granger and Janice M. Granger	BS '54 Civil Nursing (1980)
2009	The Demmer Family — Bill Demmer	BS '70 Mechanical

JOON S. MOON DISTINGUISHED INTERNATIONAL ALUMNI AWARD RECIPIENTS

1994	Richard M. Hong	MS '67, PhD '70 Electrical
1995	Samuel K. Nnama	MS '77, PhD '79 Civil
1999	Khaled M. R. Abdulghani	MS '78, PhD '82 Civil
2002	Lawrence Wong	PhD '70 Mechanical
2006	Surinder Kapur	BS '64, MS '65, PhD '72 Mechanical
2009	Kin Keung Lai	PhD '77 Civil
2010	Surinder Kumar Choudhari	BS '64 Mechanical



