ASEE Annual Conference & Exposition
AWARDS CEREMONY 2016

MARRIOTT CONVENTION CENTER BALLROOM
New Orleans, Louisiana
June 27, 2016
ASEE 2016 Annual Awards Ceremony

Marriott Convention Center
Ballroom
New Orleans, Louisiana
June 27, 2016

Ceremony
11:30 a.m. – 1:00 p.m.

ASEE thanks Dassault Systèmes and Northrop Grumman for sponsoring the 2016 ASEE Awards Ceremony
OPENING REMARKS AND INTRODUCTION
Joseph J. Rencis
2015 – 2016 ASEE President

PRESENTATION OF PLAQUES TO OUTGOING MEMBERS OF THE ASEE BOARD OF DIRECTORS
Joseph J. Rencis

PRESENTATION OF SOCIETY AWARDS
Outstanding Zone Campus Representatives
ASEE Fellow Member Honorees

Benjamin Garver Lamme Award
David C. Munson

PRESENTATION OF NATIONAL AWARDS

ASEE Lifetime Achievement Award in Engineering Education
Russ Pimmel

Frederick J. Berger Award
Niaz Latif

Isadore T. Davis Award
Ramesh K. Agarwal

DuPont Minorities in Engineering Award
Bruce A. Lindvall

John L. Imhoff Award
Edward A. Pohl

Sharon A. Keillor Award for Women in Engineering Education
Karen C. Davis

James H. McGraw Award
Carol Richardson

National Engineering Economy Teaching Excellence Award
Ted Eschenbach

National Outstanding Teaching Award
Mary C. Verstraete

William Elgin Wickenden Award
Debra M. Friedrichsen, Benjamin U. Sherrett, Edith S. Gummer, Audrey B. Champagne, and Milo D. Koretsky

ASEE Annual Conference Best Paper Awards

CLOSING CEREMONIES

Acknowledgements.................................................................................................................................................................Joseph J. Rencis
This award was initiated by the Campus Liaison Board to honor outstanding Zone Campus Representatives. Each award winner receives a plaque.

### PAST WINNERS

<table>
<thead>
<tr>
<th>Year</th>
<th>Zone</th>
<th>Name(s)</th>
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<tr>
<td>1980</td>
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<td>J. Burgess, Durward Huffman, L. Greenfield, Richard Noble</td>
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<td>N. Hsu, John Lucey, G. Trammell</td>
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<td>B. Basore, James Moore, M. Mushala</td>
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<td>Thadeus Wisz, John Uhran, R.E. Zulinski</td>
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<td>Navarun Gupta, Terri M. Lynch-Caris, Byron Garry, Carolyn Labun</td>
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The fellow grade of membership is conferred in recognition of outstanding contributions to engineering or engineering technology education upon an active member of ASEE who has been a member in any grade for at least 10 years.

The ASEE bylaws direct that each year the Fellow Member Committee recommend candidates to be advanced to the fellow grade of membership. The following members meet the requirements of such membership and have been approved by the ASEE Awards Policy Committee.

**WAYNE T. DAVIS**
Professor and Dean
College of Engineering
University of Tennessee
Nominated by John W. Prados, University of Tennessee, Knoxville

**ELIZABETH A. PARRY**
Coordinator of STEM Partnership Development
North Carolina State University
Nominated by Teri Reed, Texas A&M University

**JOHN K. ESTELL**
Professor
Computer Engineering and Computer Science
Ohio Northern University
Nominated by Kris Jaeger-Helton, Northeastern University

**MICHAEL J. PRINCE**
Professor
Chemical Engineering
Bucknell University
Nominated by Margot A. Vigeant, Bucknell University

**RONALD E. LAND**
Associate Professor
Engineering Technology
Pennsylvania State University, New Kensington
Nominated by Jeffrey L. Ray, Western Carolina University

**DONNA REESE**
Department Head and Professor
Computer Science and Engineering
Mississippi State University
Nominated by Susan L. Burkett, University of Alabama

**TERESA L. LARKIN**
Associate Professor
Department of Physics
American University
Nominated by Lucy C. Morse, University of Central Florida

**DONNA M. RILEY**
Professor
Engineering Education
Virginia Tech
Nominated by Stephanie G. Adams, Old Dominion University

**THOMAS A. LENOX**
Executive Vice President Emeritus
American Society of Civil Engineers
Nominated by Stephen J. Ressler, U.S. Military Academy

**CATHERINE SKOKAN**
Associate Professor
Department of Electrical Engineering and Computer Science
Colorado School of Mines
Nominated by Joan Gosink, Colorado School of Mines

**JOHN B. OCHS**
Professor
Mechanical Engineering and Mechanics
Lehigh University
Nominated by Daniel M. Ferguson, Purdue University, West Lafayette
Professor Munson’s research is focused on signal processing challenges in imaging systems, especially synthetic aperture radar. He is co-founder of InstaRecon, Inc., which is commercializing fast algorithms for image formation in computer tomography. He is co-author of the Infinity Project textbook on the digital world, which has been used in hundreds of high schools nationwide.

Dr. Munson is a Fellow of IEEE, a past president of the IEEE Signal Processing Society, founding editor-in-chief of the IEEE Transactions on Image Processing, and co-founder of the IEEE International Conference on Image Processing. In addition to multiple teaching awards and other honors, he received the Society Award of the IEEE Signal Processing Society and an IEEE Third Millennium Medal. He has been a Distinguished Lecturer of the IEEE Signal Processing Society and a Texas Instruments Distinguished Visiting Professor at Rice University.

He served on the ASEE Engineering Deans Council Executive Board and Public Policy Committee.

Nominated by James Paul Holloway, University of Michigan
Russell Pimmel is a Professor Emeritus at the University of Alabama and a retired program director in the Division of Undergraduate Education at the National Science Foundation. He also held faculty positions at Ohio State University, the University of North Carolina at Chapel Hill and the University of Missouri at Columbia, as well as industrial positions at Emerson Electric Co, Battelle Northwest Laboratory and McDonnell-Douglas Co. As a faculty member, he taught courses in electrical, computer and biomedical engineering, supervised M.S. and Ph.D. students and postdoctoral fellows, managed research projects funded by NSF, the National Institutes of Health, and other organizations, published in technical and education areas, served as a department head, and provided faculty development workshops and continuing education courses. Dr. Pimmel’s recent research interests focus on collaborative learning and faculty development with a special emphasis on virtual approaches. His three degrees are in Electrical Engineering with a B.S. from St. Louis University and M.S. and Ph.D. degrees from Iowa State University.

Nominated by William C. Oakes, Purdue University, West Lafayette
The Frederick J. Berger Award, established in 1990 by the late Frederick J. Berger, recognizes and encourages excellence in engineering technology education. It is presented to both an individual and a school or department for demonstrating outstanding leadership in curriculum, techniques, or administration in engineering technology education. The individual receives a $500 honorarium and a bronze medallion; the institution receives a $500 honorarium and an inscribed plaque.

Frederick J. Berger drew acclaim for his many noteworthy contributions as an engineering technology educator. These include his service for many years at the City University of New York and as the founder of Tau Alpha Pi, the professional honor society for the engineering technologies.

Niaz Latif is recognized for his exemplary commitment and passion for Engineering Technology Education and the profession. His enthusiasm has been evident throughout his career as a faculty member, as an administrator of Engineering Technology programs at three institutions, and as an individual who breathes Engineering Technology. Dr. Latif has served ASEE and the Engineering Technology Division (ETD) in various capacities. As an educator, he has developed several new undergraduate and graduate programs. As dean, he obtained ABET accreditation for all programs in his college and led his faculty to record accolades for scholarship, measured both in engagement with industry and in federal grants.

Dr. Latif is actively involved in the activities of the ETD and ASEE. He served as one of the directors of the Engineering Technology Council (ETC). He was the 2003 ETD program chair for the Conference on Industry Education Collaboration (CIEC), and served as Director and Secretary of the Executive Board of the Engineering Technology Leadership Institute (ETLI). Currently, he is a member of the ASEE Diversity committee. He served as Chairman of the American Society of Mechanical Engineers (ASME)—Cincinnati Section and was a member of the ASME Regional Operating Board—Region V from 1997-1999. He has served as a program evaluator for Mechanical Engineering Technology and Manufacturing Engineering Technology under the Engineering Technology Accreditation Commission (ETAC) of ABET and as a commissioner of the ETAC. Currently, he is a commissioner of Applied Science Accreditation Commission (ASAC) of ABET. Dr. Latif has served on the Editorial Board of the Journal of Engineering Technology (2002-2007) and as the Editor in Chief from 2005 to 2007.

Dr. Latif earned his Ph.D. from the University of Missouri—Columbia and a M.S. from South Dakota State University (SDSU), both in Agricultural Engineering; and a B.S. in Mechanical Engineering from the University of Chittagong, Bangladesh. His publications include articles related to academic program development and assessment of Engineering Technology programs.

Nominated by Mohammad A. Zahraei, Purdue University, Calumet
The Isadore T. Davis Award for Excellence in Collaboration of Engineering Education and Industry was jointly established and endowed by ASEE’s Corporate Member Council, Engineering Deans Council, Engineering Technology Council, Engineering Research Council, and Division of College-Industry Partnerships.

The award celebrates the spirit and leadership of individuals who make a mark in improving partnerships or collaborations between engineering or engineering technology education and industry. The award is intended to promote collaborations/partnerships between engineering or engineering technology education and industry to improve learning, scholarship, and engagement practices within the engineering education community.

Ramesh K. Agarwal is recognized as a pioneer in initiating and sustaining collaboration between engineering education and industry. He has directly contributed to this collaboration by establishing several highly successful multi-university/industry consortia for aerospace and mechanical engineering education and research, and by involving industry in innovative curriculum development and design projects in aerospace and mechanical engineering. He has promoted collaboration through ASEE’s College Industry Partnership Division and ABET, as well as through such groups as the Industry/University/Government Roundtable for Enhancement of Engineering Education (IUGREE) and Kansas Industry/University/Government Engineering Education Consortium (KIUGEEC).

RAMESH K. AGARWAL
Professor
Mechanical, Aerospace and Structural Engineering
Washington University, St. Louis

Ramesh K. Agarwal is the William Palm Professor of Engineering in the department of Mechanical Engineering and Materials Science at Washington University in St. Louis. From 1994 to 2001, he was the Sam Bloomfield Distinguished Professor and Executive Director of the National Institute for Aviation Research at Wichita State University in Kansas. From 1978 to 1994, he was the Program Director and McDonnell Douglas Fellow at McDonnell Douglas Research Laboratories in St. Louis. Professor Agarwal received a Ph.D. in Aeronautical Sciences from Stanford University in 1975, a M.S. in Aeronautical Engineering from the University of Minnesota in 1969, and a B.S. in Mechanical Engineering from the Indian Institute of Technology, Kharagpur, India in 1968. Over a period of 40 years, Professor Agarwal has worked in various areas of Computational Science and Engineering - Computational Fluid Dynamics (CFD), Computational Acoustics and Electromagnetics, Computational Materials Science and Manufacturing, and Multidisciplinary Design and Optimization. For past 10 years, he has also been working in the area of renewable and clean energy, including wind, solar, and biomass, as well as carbon capture, utilization, and storage. He is the author or co-author of over 500 publications. He has given many plenary, keynote, and invited lectures at various national and international conferences in over 60 countries. Professor Agarwal continues to serve on many academic, government, and industrial advisory committees. Dr. Agarwal is a Fellow of 18 societies, including ASEE, the American Institute of Aeronautics and Astronautics (AIAA), American Physical Society (APS), American Society of Mechanical Engineers (ASME), Institute of Electrical and Electronics Engineers (IEEE), American Association for the Advancement of Science (AAAS), Royal Aeronautical Society, Chinese Society of Aeronautics and Astronautics (CSAA), Society of Automotive Engineers (SAE), and Society of Manufacturing Engineers (SME). He has received many prestigious honors and national and international awards from various professional societies and organizations for his research contributions.

Nominated by Krishnaswamy Ravindra, Saint Louis University
The DuPont Minorities in Engineering Award honors an engineering educator for exceptional achievement in increasing participation and retention of minorities and women in engineering. The award consists of a $1,500 honorarium, a framed certificate, and a grant of $500 for travel expenses to attend the ASEE Annual Conference. Endowed by the DuPont Company, this award is intended to recognize the importance of ethnic and gender diversity among students in science, engineering, and technology.

Bruce A. Lindvall is assistant dean for graduate studies in the McCormick School of Engineering and Applied Science at Northwestern University, where he has also chaired the Science and Engineering Committee for Multicultural Affairs (SECMA). SECMA is committed to recruiting, admitting, retaining, and graduating more underrepresented minority students in the STEM fields.

He works closely with the Graduate School to ensure that Northwestern has a diverse graduate student body. He assists with the Summer Research Opportunity Program, Introduction to Graduate Education at Northwestern, and other diversity initiatives. In 2016 he received the Penny Warren Service Award from the Black Graduate Student Association for his efforts in increasing diversity and improving academic life for students of color at Northwestern. For the last eight years he has served on a Research Experiences for Undergraduates (REU) panel at the National Science Foundation. Each year he attends meetings of the National Society of Black Engineers and Society of Hispanic Professional Engineers, and he currently serves on the executive board of GEM, a consortium of companies and universities whose goal is to place more underrepresented minority students in STEM graduate programs. Enrollment of underrepresented minority Ph.D. students in engineering at Northwestern has increased from 36 to 78 during his tenure as assistant dean.

Dr. Lindvall has also worked for the College Board, the University of Kansas, and Purdue University in a variety of administrative roles that have revolved around admissions in higher education. He holds a B.S. in Mathematics, a M.S. in Guidance and Counseling, and a Ph.D. in Educational Administration, all from Purdue University.

Nominated by Julio Mario Ottino, Northwestern University
An engineering educator for more than 50 years, John L. Imhoff thrived on the global impact potential of the industrial engineering discipline. His vision encompassed the undergraduate, graduate, and teaching levels. He believed that global sharing through educational channels would lead to greater cooperation and understanding. He was very committed to students within the classroom and was passionate about professional student organizations as well as faculty involvement within those organizations. He encouraged students to travel abroad on work/study programs; encouraged them to take summer jobs abroad; and encouraged faculty to bring in speakers who had worked abroad to share their experiences.

Edward A. Pohl is department head and holder of the 21st Century Professorship in the Department of Industrial Engineering at the University of Arkansas, where he also serves as director of the Center for Innovation in Healthcare Logistics (CIHL) and co-director of the emerging Institute for Advanced Data Analytics. He has participated and led several reliability-, risk-, and supply chain-related research efforts. Before coming to Arkansas, Dr. Pohl spent 21 years in the United States Air Force, where he served in a variety of engineering, operations analysis, and academic positions. His assignments included serving as deputy director of the Operations Research Center at the United States Military Academy, Operations Analyst in the Office of the Secretary of Defense where he performed independent cost schedule, performance and risk assessments on major DoD acquisition programs, and as a munitions logistics manager at the Air Force Operational Test Center. He holds a Ph.D. in Systems and Industrial Engineering from the University of Arizona, three M.S. degrees – in Systems Engineering from the Air Force Institute of Technology, in Reliability Engineering from the University of Arizona, and in Engineering Management from the University of Dayton – and a B.S. in Electrical Engineering from Boston University. His primary research interests are in risk, reliability, engineering optimization, healthcare, and supply chain risk analysis, decision making, and quality. Dr. Pohl has published more than 45 peer-reviewed journal articles and 50 conference papers, and has given more than 100 presentations at national and international conferences. He is an associate editor of the IEEE Transaction on Reliability, the Journal of Risk and Reliability, and the Journal of Military Operations Research. He currently serves on the Board of Directors for the Reliability and Maintainability Symposium (RAMS). He is a Fellow of IIE and SRE, a Senior Member of IEEE and ASQ, and a member of INCOSE, INFORMS, ASEE, ASEM and AHRMM.

Edward A. Pohl is recognized for creativity and innovation in providing global education experiences to students by: taking an interdisciplinary team of engineering students to India and teaching a summer course in situ on global competition and innovation; developing co-operative educational opportunities in Mexico for U.S. students; working with industry to give capstone senior design teams opportunities to solve design problems in Mexico; developing an elective course for undergraduates on global engineering and innovation; leading and expanding online programs for persons living abroad to obtain master’s degrees in engineering or operations management; and providing study abroad experiences for 50 U.S. students.

Edward A. Pohl
Professor and Department Head
College of Engineering
University of Arkansas

Nominated by John A. White,
University of Arkansas
The Sharon Keillor Award for Women in Engineering Education recognizes and honors outstanding women engineering educators. The award consists of an honorarium of $2,000 and an inscribed plaque.

Sharon A. Keillor was an engineering educator and a high-technology industry executive with extensive experience and accomplishments. An Athlone Fellow at the Imperial College of the University of London, she also served as a faculty member at the Memorial University of Newfoundland, the University of Western Ontario, and the University of Massachusetts at Amherst. Afterward, she embarked on an outstanding career in industry, which included becoming head of corporate training and later vice president for software engineering at Digital Equipment Corporation; senior vice president of CTA Incorporated; senior vice president and chief operating officer of Watkins-Johnson; and vice president of Raytheon Marine and managing director of its operations in Portsmouth, England.

Karen C. Davis is a professor in the Department of Electrical Engineering and Computing Systems at the University of Cincinnati. Her research interests include database design, query processing and optimization, data warehousing, and engineering/computing education. She has published more than 50 papers, most of which are co-authored with her students. She serves as the adviser for student chapters of the Association for Computing Machinery’s Council on Women in Computing (ACM-W), Theta Tau (a co-ed engineering fraternity), and the Electrical Engineering and Computer Science Graduate Students Association (EECS GSA).

Professor Davis’s research contributions have been recognized through invitations to serve as program chair for the ACM Data Warehousing and Online Analytical Processing Workshop (DOLAP) as well as the Symposium on Conceptual Modeling Education (with ER 2016), as a committee member for numerous international conferences (including ER, DaWaK, and TLAD), as a guest editor, and as an invited delegate to international research symposia. At the University of Cincinnati, she received both the Dean’s Faculty Excellence Award and the College of Engineering and Applied Science’s Master Educator Award in 2016. She is currently serving as an interim executive board member for the Teradata University Network.

Dr. Davis received a B.S. degree in Computer Science from Loyola University, New Orleans in 1985 and a M.S. and Ph.D. in Computer Science from the University of Louisiana, Lafayette in 1987 and 1990, respectively.

Nominated by Kathleen A. Ossman, University of Cincinnati
The James H. McGraw Award is presented for outstanding contributions to engineering technology education. Established by the McGraw-Hill Book Company in 1950, the award is now co-sponsored by McGraw-Hill Higher Education, the ASEE Engineering Technology Council, and the ASEE Engineering Technology Division. The award consists of a $1,000 honorarium and a certificate.

James H. McGraw was recognized as the dean of industrial publishers. He spent some 40 years in the publishing business, beginning as a teacher turned subscription salesman and going on to lay the foundation of one of the largest industrial publishing organizations in the world.

Carol Richardson has been active in professional engineering organizations throughout her career. An ASEE Fellow and 2011 recipient of the Frederick J. Berger award, she served for two years on the ASEE executive board as vice president of the five professional interest councils. In addition, she was a past chair of the ASEE Engineering Technology Division; past program chair for the ASEE Women in Engineering Division; past chair of the executive committee for the ASEE Conference on Industry and Education Collaboration; and a former director of both the Engineering Technology Leaders Institute (ETLI) and Engineering Technology Council. In 2012 Richardson became the first ABET representative to the Engineering Technology National Forum (ETNF), a strategic initiative to help engineering technology programs enhance their abilities to provide applied engineering talent for the future workforce. She also has been a member of the ASEE committee that plans the ETLI conference and ETNF for the past three years.

Carol Richardson is recognized for her many years promoting engineering technology programs in the professional engineering organizations of ASEE, ABET, and IEEE, demonstrating national leadership. She created additional career opportunities in the field of engineering for graduates of engineering technology programs. Professor Richardson led curriculum development for undergraduate and graduate programs in telecommunications engineering technology and obtained funding for the associated laboratory at Rochester Institute of Technology. She also served as an engineering technology department chair for 10 years and the interim dean of the college for two years.

Carol Richardson
Professor Emerita
Electrical, Computer, and Telecommunications Engineering Technology
Rochester Institute of Technology

Carol Richardson has been active in professional engineering organizations throughout her career. An ASEE Fellow and 2011 recipient of the Frederick J. Berger award, she served for two years on the ASEE executive board as vice president of the five professional interest councils. In addition, she was a past chair of the ASEE Engineering Technology Division; past program chair for the ASEE Women in Engineering Division; past chair of the executive committee for the ASEE Conference on Industry and Education Collaboration; and a former director of both the Engineering Technology Leaders Institute (ETLI) and Engineering Technology Council. In 2012 Richardson became the first ABET representative to the Engineering Technology National Forum (ETNF), a strategic initiative to help engineering technology programs enhance their abilities to provide applied engineering talent for the future workforce. She also has been a member of the ASEE committee that plans the ETLI conference and ETNF for the past three years.

Richardson, an ABET Fellow, led an initiative as chair of its Technology Accreditation Commission that resulted in changing the committee’s name to the Engineering Technology Accreditation Commission (ETAC) and revising the scope of engineering technology in the ABET Accreditation Policy Manual. The revision has allowed construction management and other programs that lack engineering technology in their titles to become accredited by ETAC. Richardson, who earned her B.S. degree in electrical engineering from the University of Wyoming and M.S. degree in electrical engineering from Union College in Schenectady, New York, also has been an active member of IEEE, receiving its Educational Activities Board Meritorious Achievement Award in 2013.

External funding has helped Richardson advance many of her major initiatives in engineering technology, including development of the laboratory for RIT’s telecommunications engineering technology programs as well as a scholarship program for transfer students in engineering technology and engineering programs at RIT.

Nominated by Patricia Fox,
Indiana University-Purdue University Indianapolis
Ted Eschenbach began teaching at the University of Alaska Anchorage in 1975, after receiving his Ph.D. in industrial engineering from Stanford University. He also has taught at the Naval Postgraduate School (1987) and the University of Missouri - Rolla (1988 – 1990), and been a guest lecturer at many universities, including St. Cloud State, UAH, Texas Tech, Arkansas, and Iowa State. He has taught nearly 90 sections of courses on the time value of money—including short courses for NASA, Boeing in Saudi Arabia, and China’s Southwest Petroleum Institute. Since becoming an emeritus professor in 1998, Dr. Eschenbach has often taught at UAA. He taught an online class in engineering economy for the University of Louisville in spring 2016.

A classroom innovator, Dr. Eschenbach continues to develop educational approaches to improve the learning of engineering economy. He started including spreadsheets in his engineering economy courses in the early 1980s. These were applied in his Cases in Engineering Economy. His 17 ASEE presentations on engineering economy include a 1.5-hour session on spreadsheets in 1992. He started using clickers in 1988 when they were highly experimental and has authored or co-authored a number of conference papers and presentations that demonstrate their value in the classroom—in particular for the time value of money. More recently, Dr. Eschenbach has become a strong supporter of online homework, which he first used in his finance classes. This is also where he developed a visual approach to using spreadsheet annuity functions and financial calculators, one of the significant enhancements to the 12th edition of the market-leading text, Newnan’s Engineering Economic Analysis.

Dr. Eschenbach’s influence extends far beyond Alaska. His 18 editions of four titles, including Engineering Economy, Applying Theory to Practice, have sold over 125,000 copies. The time value of money is the subject of nearly half of his 48 journal articles, chapters, and solutions manuals. He is also the founding editor emeritus of Engineering Management Journal and a frequent contributor to The Engineering Economist, winning a Grant Award for Best Article.

Dr. Eschenbach’s numerous ASEE awards include a PIC 1 Best Paper, two Engineering Economy Division Best Papers, and the Bernard R. Sarchet Award. He is a Fellow of the American Society for Engineering Management and IIE, where he received the Wellington Award from the Engineering Economy Division in 2007.

Nominated by Neal Lewis, University of Bridgeport
Mary C. Verstraete is recognized for exhibiting excellence in undergraduate teaching at all levels, for exceptional academic advising, for the development of an accredited undergraduate curriculum in Biomedical Engineering, and for service to the profession through leadership and mentoring.

Mary C. Verstraete is an associate professor of biomedical engineering (BME) and the associate chair of the undergraduate program in biomedical engineering at the University of Akron, where she teaches courses at the undergraduate level and currently advises all of the freshmen in biomedical engineering, in addition to others. She also has been the faculty adviser for the student section of the Society of Women Engineers (SWE) since 1994.

Dr. Verstraete received her B.S., M.S. and Ph.D. in engineering mechanics from Michigan State University and started working as an assistant professor at the University of Akron in 1988. During her 28 years at the university, she received tenure and was promoted to associate professor (only the second woman to do so in the College of Engineering), initiated and served as the inaugural director of the Women in Engineering program, and was chosen by the faculty to chair the BME department from 1997 to 2001. During her time as department chair, she spearheaded efforts to develop an undergraduate program in biomedical engineering. The program, which was approved by the state of Ohio and began offering classes in 1998, has been continuously accredited.

Dr. Verstraete, who serves as the ABET coordinator for BME, has been active in professional societies, including the Biomedical Engineering Society, the American Society of Biomechanics, and the American Society of Engineering Education, where she was awarded the Theo C. Pilkington Outstanding Educator Award in 2008 and the North Central Section Outstanding Teaching Award in 2014. She has been especially active in the Society of Women Engineers and has held numerous offices both regionally and nationally, including chair of the Women in Academia Committee and president of the Northeastern Ohio Section. She was awarded SWE’s Distinguished Engineering Educator Award in 2007 and the Outstanding Faculty Advisor Award in 2011. She currently is a member of the editorial board for the award-winning SWE magazine.

Nominated by Karinna M. Vernaza, Gannon University

The National Outstanding Teaching Award recognizes an engineering or engineering technology educator for excellence in outstanding classroom performance, contributions to the scholarship of teaching, and participation in ASEE Section meetings and local activities. As an organization, ASEE is committed to the support of faculty scholarship and systems that develop pedagogical expertise. The award, established in 2003 by contributions from ASEE Sections, members, and industrial partners, consists of an engraved medallion, certificate, and complimentary registration for the ASEE Annual Conference.
Ben Sherrett studied expert and novice problem-solving processes in the context of a real-world engineering task in process development as a graduate student at Oregon State University. His research was aimed at identifying expert solution strategies in order to inform engineering educators. Since graduation, he has worked in the product design industry as a mechanical engineer and plans to return to science, technology, engineering, and math (STEM) education in the future.

Debra (Gilbuena) Friedrichsen owns a consulting company where she works with small and start-up companies providing engineering and business strategy consulting. She received her Ph.D. from Oregon State University in chemical engineering with a dissertation focused on engineering education. She also has an MBA, M.S., and five years of industrial experience, including a position in sensor development, an area in which she holds a patent. An active member of ASEE’s Women in Engineering Division, Friedrichsen currently serves as its webmaster. In addition, she serves on the ASEE Diversity Committee and in the local chapter of the Society of Women Engineers. Her research interests include multiple efforts in engineering education, including feedback, professional skills, and propagation of educational innovations. She recently co-authored a book, *Designing Educational Innovations for Sustained Adoption: A How-to Guide for Education Developers Who Want to Increase the Impact of Their Work,* and is currently caring for her newborn baby girl.

Debra M. Friedrichsen
CEO and Engineering Consultant
MJ Innovations, LLC

Benjamin U. Sherrett
Oregon State University

**DEBRA M. FRIEDRICHSEN**
CEO and Engineering Consultant
* MJ Innovations, LLC

**BENJAMIN U. SHERRETT**
Oregon State University

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**WILLIAM ELGIN WICKENDEN AWARD**

This award is named in honor of William Elgin Wickenden—engineer, educator, philosopher, administrator, and humanitarian. Throughout his distinguished career, he devoted himself to the personal and professional development of younger members of the engineering fraternity. His wisdom and leadership so infused the monumental “Report of the Investigation of Engineering Education, 1923–1929” that it has been popularly referred to as the Wickenden Report ever since. His *Naval Engineers Journal* article, “The Second Mile,” has been read by thousands of young engineers and has helped them form a sound conception of engineering as a career.

Sponsored by the *Journal of Engineering Education* editorial review board, the award recognizes the author(s) of the best paper published in the *Journal of Engineering Education (JEE)*, the scholarly research journal for the Society. JEE’s editorial review board selects the best paper published during the previous January to October publication cycle. The awardee receives a commemorative plaque.

*Debra M. Friedrichsen, Benjamin U. Sherrett, Edith S. Gummer, Audrey B. Champagne, and Milo D. Koretsky receive the 2016 William Elgin Wickenden Award in recognition of their article, “Feedback on Professional Skills as Enculturation into Communities of Practice,” which was published in the January 2015 issue of the Journal of Engineering Education.*
Edith Gummer is director of education research at the Ewing Marion Kauffman Foundation, where she oversees the development and implementation of research and policy initiatives that focus on strengthening innovation and entrepreneurship in education. She also is the co-author of a new book on data literacy for K-12 educators. Prior to joining the Kauffman Foundation, she was a program officer in the research and learning division of the National Science Foundation’s education and human resources directorate. In that capacity, she served as the lead program officer for the Discovery Research K-12 program that provided funding for the development, testing, and implementation of science, technology, engineering, and mathematics resources, models, and tools in preK-12 educational settings. A former senior research scientist in the evaluation research program at WestEd, Gummer earned her Ph.D. in curriculum and instruction from Purdue University, M.S. degrees in science teaching and in biology, both from the State University of New York at Albany, and a B.A. in biology from Indiana University.

Audrey B. Champagne is Professor Emerita at the University at Albany, State University of New York, where she was a professor in the Department of Educational Theory and Practice in the School of Education and in the Department of Chemistry in the College of Arts and Sciences. Champagne is a fellow of the American Association for the Advancement of Science, and held membership in the American Chemical Society, the American Educational Research Association, the National Science Teachers Association, and the National Association for Research in Science Teaching (NARST). She was president of NARST in 1997 and received the association’s Distinguished Researcher award in 2002. Champagne has done cognitive research on students’ understanding of physics and developed computer-based instructional programs for physics and base-10 numeration. Champagne was active in the development of National Science Education Standards by the National Research Council of the National Academies of Science, Engineering and Medicine, and has been actively involved in U.S. and international activities in the assessment of science. Currently, Champagne is a courtesy faculty member at Oregon State University.

Milo Koretsky is a professor of chemical engineering and Fellow of the Center for Lifelong STEM Education Research at Oregon State University. He received his B.S. and M.S. degrees from the University of California, San Diego and his Ph.D. from UC Berkeley, all in chemical engineering. He currently has research activity in several areas related to engineering education. He is broadly interested in integrating technology into effective educational practices and identifying barriers to widespread use by faculty, as well as in promoting the use of higher-level thinking in disciplinary practice. Toward this end, his group has developed innovative tools, including the AIChE Concept Warehouse, the industrially situated virtual labs, and the concept-based, interactive virtual labs. His research interests particularly focus on what prevents students from being able to integrate and extend the knowledge developed in specific courses in the core curriculum to the more complex, authentic problems and projects they face as professionals.
ASEE ANNUAL CONFERENCE BEST PAPER AWARDS

(For papers that were presented at the 2015 ASEE Annual Conference)

This award recognizes high-quality papers that are presented at the ASEE Annual Conference. The award-winning papers were presented at the Annual Conference the previous year. One outstanding conference paper is selected from the four ASEE Zones. The Zone Best Paper Award consists of $1,000. Six outstanding conference papers are selected: one from each of the five ASEE Professional Interest Councils (PICs) and one overall conference paper. The award consists of $1,000 for each PIC paper and $3,000 for the best conference paper.

BEST ZONE PAPER

PRESENTED TO:
Roy Myose, Wichita State University;
Syed Raza, Wichita State University;
Klaus Hoffman, Wichita State University;
Armin Ghoddoossi, Wichita State University

PAPER: “Correlating Engineering Statics Student Performance with Scores of a Test over Prerequisite Material Involving Problem Solving”

BEST PAPER - PIC I

PRESENTED TO:
Milo Koretsky, Oregon State University
Samuel Alexander Mihelic, Oregon State University
Margot A. Vigeant, Bucknell University
Katharyn E. K. Nottis, Bucknell University
Michael J. Prince, Bucknell University

PAPER: “Comparing Pedagogical Strategies for Inquiry-based Learning Tasks in a Flipped Classroom”

BEST PAPER - PIC II

PRESENTED TO:
Kathryn Jablankow, Pennsylvania State University
Wesley Teerlink, Pennsylvania State University
Seda Yilmaz, Iowa University
Shanna R. Daly, University of Michigan
Eli M. Silk, The State University of New Jersey

PAPER: “The Impact of Teaming and Cognitive Style on Student Perceptions of Design Ideation Outcomes”

BEST PAPER - PIC III

PRESENTED TO:
Nathan E. Canney, Seattle University
Angela R. Bielefeldt, University of Colorado
Mikhail Russu, Seattle University

PAPER: “Which Courses Influence Engineering Students’ Views of Social Responsibility?”

BEST PAPER - PIC IV

PRESENTED TO:
Quintana Clark, Purdue University, West Lafayette
Alejandra J. Magana, Purdue University, West Lafayette

PAPER: “Hybrid Learning Styles”

BEST PAPER - PIC V

PRESENTED TO:
Mark Angolia, East Carolina University
Leslie Pagliari, East Carolina University
James Kirby, Eastern Kentucky University

PAPER: “The Path from Industry Professional to Assistant Professor”

BEST CONFERENCE PAPER

PRESENTED TO:
Nathan E. Canney, Seattle University
Angela R. Bielefeldt, University of Colorado
Mikhail Russu, Seattle University

PAPER: “Which Courses Influence Engineering Students’ Views of Social Responsibility?”
Michael Dickey has pioneered a new research frontier on non-toxic liquid metals that form oxide skins. The oxide allows these metals to be patterned into useful shapes at room temperature for soft, stretchable, and shape reconfigurable electronics. Examples include ultra-stretchable wires, soft memory devices, self-healing circuits, and 3-D printed conductors. This research enables composite materials with electrical properties defined by liquid metal and mechanical properties defined by the encasing material. Professor Dickey’s research also has uncovered new modes of actuating polymeric materials, including self-folding polymer sheets, and a new method to pattern ions in gels by so-called “ionoprinting.”
This award, given by each ASEE section, recognizes the outstanding teaching performance of an engineering or engineering technology educator. The award consists of a framed certificate and an appropriate honorarium presented by the local section. The following are this year’s award recipients.

<table>
<thead>
<tr>
<th>Section</th>
<th>Recipient</th>
<th>Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illinois/Indiana Section</td>
<td>Cinda Heeren</td>
<td>University of Illinois, Urbana-Champaign</td>
</tr>
<tr>
<td>Middle Atlantic Section</td>
<td>Ahmet Zeytinci</td>
<td>University of the District of Columbia</td>
</tr>
<tr>
<td>Midwest Section</td>
<td>Kevin Wanklyn</td>
<td>Kansas State University</td>
</tr>
<tr>
<td>Northeast Section</td>
<td>Christian Bach</td>
<td>University of Bridgeport</td>
</tr>
<tr>
<td>North Central Section</td>
<td>Laila Guessous</td>
<td>Oakland University</td>
</tr>
<tr>
<td>Pacific Northwest Section</td>
<td>Megan Frary</td>
<td>Boise State University</td>
</tr>
<tr>
<td>Pacific Southwest Section</td>
<td>Kamran Abedini</td>
<td>California State Polytechnic University</td>
</tr>
<tr>
<td></td>
<td>Bruce Mayer</td>
<td>Chabot College</td>
</tr>
<tr>
<td>Southeast Section</td>
<td>Mohammed Gabr</td>
<td>North Carolina State University</td>
</tr>
<tr>
<td>St. Lawrence Section</td>
<td>Tarek Abdoun</td>
<td>Rensselaer Polytechnic Institute</td>
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</table>
**ASEE SECTION AWARDS**  
**SECTION OUTSTANDING CAMPUS REPRESENTATIVE AWARD**

ASEE’s Campus Liaison Board initiated this award to recognize those ASEE campus representatives who have demonstrated staunch support for ASEE on their campuses. The award consists of a framed certificate of recognition and is presented at each section’s annual meeting. Following are this year’s award recipients.

<table>
<thead>
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<th>Section</th>
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<th>Institution</th>
</tr>
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<tbody>
<tr>
<td>Gulf Southwest Section</td>
<td>Walter W. Buchanan</td>
<td>Texas A&amp;M University</td>
</tr>
<tr>
<td>Illinois/Indiana Section</td>
<td>Ashley Bernal</td>
<td>Rose-Hulman Institute of Technology</td>
</tr>
<tr>
<td>Midwest Section</td>
<td>Yanwu Ding</td>
<td>Wichita State University</td>
</tr>
<tr>
<td>Northeast Section</td>
<td>Kanti Prasad</td>
<td>University of Massachusetts Lowell</td>
</tr>
<tr>
<td>North Central Section</td>
<td>Eugene V. Cilento</td>
<td>West Virginia University</td>
</tr>
<tr>
<td>North Midwest Section</td>
<td>M. Asghar Bhatti</td>
<td>University of Iowa</td>
</tr>
<tr>
<td>Pacific Northwest Section</td>
<td>Kevin Amende</td>
<td>Montana State University</td>
</tr>
<tr>
<td>Pacific Southwest Section</td>
<td>Brian Self</td>
<td>California State Polytechnic University</td>
</tr>
<tr>
<td>Southeast Section</td>
<td>Cindy Waters</td>
<td>North Carolina A&amp;T State University</td>
</tr>
<tr>
<td>St. Lawrence Section</td>
<td>Kathryn Dimiduk</td>
<td>Cornell University</td>
</tr>
</tbody>
</table>
OTHER SECTION AWARDS

MIDDLE ATLANTIC SECTION

DISTINGUISHED SERVICE AWARD
Victor Schutz
Temple University

BEST PAPER
Eileen Haase and Harry Goldberg
John Hopkins University
PAPER: “Molecules and Cells: A Model for Addressing the Needs of Students with Varied Backgrounds and Diverse Learning Styles”

BEST DIVERSITY PAPER
Ralph Tillinghast and Edward Petersen
U.S. Army Armament Research, Development and Engineering Center
PAPER: “Establishing a Balanced Organizational Structure for Large STEM Outreach Programs: Adopting the 10, 20, 30, 40 Rule”

MIDWEST SECTION

OUTSTANDING SERVICE AWARD
Kimberly Kramer
Kansas State University

PACIFIC NORTHWEST SECTION

BEST PAPER
Sean St.Clair
Oregon Institute of Technology
PAPER: “Assessment of Long-Term Effects of Technology Use in the Engineering Classroom”

PACIFIC SOUTHWEST SECTION

DISTINGUISHED TEACHING AWARD
Amelito G. Enriquez
Cañada College
AEROSPACE ENGINEERING DIVISION
JOHN LELAND ATWOOD AWARD

John Crassidis
Professor, Mechanical and Aerospace Engineering
University at Buffalo, SUNY

This award was established in 1985 in honor of Lee Atwood, a master of aviation and a pioneer in missile and space projects. It is bestowed annually upon an outstanding aerospace engineering educator in recognition of contributions to the profession. The award is endowed by Rockwell International and consists of a $2,000 honorarium, a certificate, and reimbursement of travel expenses to the ASEE Annual Conference. The American Institute of Aeronautics and Astronautics also presents an engraved medal and a certificate to the recipient at its annual aerospace sciences meeting.

NUCLEAR ENGINEERING DIVISION
GLENN MURPHY AWARD

Joseph Michael Doster
Professor, Nuclear Engineering
North Carolina State University

This award was established to honor Glenn Murphy in recognition of his many contributions to engineering education in general and to nuclear engineering in particular. This award is bestowed annually upon a distinguished nuclear engineering educator in recognition of notable professional contributions to the teaching of nuclear engineering students. This award is endowed by the Friends of Glenn Murphy, the Edison Electric Institute, and Iowa State University, and consists of a $750 honorarium and a certificate.

ELECTRICAL ENGINEERING DIVISION
FREDERICK EMMONS TERN influenced MARK AWARD

Sanjit A. Seshia
Associate Professor, Department of Electrical Engineering and Computer Science
University of California, Berkeley

This award is conferred upon an outstanding young electrical engineering educator in recognition of contributions to the profession. The award, established in 1969, is sponsored by the Hewlett-Packard Company and consists of a $4,000 honorarium, a gold-plated medal, a bronze replica, a presentation scroll, and reimbursement of travel expenses for the awardee to attend the ASEE Frontiers in Education Conference, where the award will be presented.
OTHER DIVISION AWARDS

BIOMEDICAL ENGINEERING DIVISION

THEO C. PILKINGTON OUTSTANDING EDUCATOR AWARD
Conrad Zapanta
Carnegie Mellon University

BIOMEDICAL ENGINEERING TEACHING AWARD
LeAnn Dourte Segan
University of Pennsylvania

BEST PAPER AWARD
LeAnn Dourte Segan and Emily R. Elliott
University of Pennsylvania
PAPER: “Group Problem Solving Coupled with Hands-on Activities: Conceptual Gains and Student Confidence in an Introductory Biomechanics Course”

ENGINEERING LIBRARIES DIVISION

BEST PUBLICATION AWARD
Qin Qin Zhang, Maren Goodman, and Shiyi Xie
University of Western Ontario
ARTICLE: “Integrating Library Instruction into the Course Management System for a First-Year Engineering Class: An Evidence-Based Study Measuring the Effectiveness of Blended Learning on Students’ Information Literacy Levels”

HOMER I. BERNHARDT DISTINGUISHED SERVICE AWARD
Megan Sapp Nelson
Purdue University

MATHEMATICS DIVISION

WILLIAM T. GUY, JR. DISTINGUISHED EDUCATOR AND SERVICE AWARD
William Fitzgibbon
University of Houston

MECHANICAL ENGINEERING DIVISION

NEW EDUCATOR AWARD
Ganesh Balasubramanian
Iowa State University

MULTIDISCIPLINARY ENGINEERING DIVISION

BEST PAPER AWARD
Marissa H. Forbes, Dr. Jacquelyn F. Sullivan, Beth A. Myers, and Derek T. Reamon
University of Colorado, Boulder
PAPER: “Exploring Student Impressions of and Navigations through a Flexible and Customizable Multidisciplinary Engineering Program”

STUDENT TRAVEL AWARDS
Molly Mollica
Ohio State University
Rachel Sattler
Columbia University

MERITORIOUS SERVICE AWARD
Agnieszka Miguel
Seattle University

DISTINGUISHED EDUCATOR AWARD
Raman Menon Unnikrishnan
California State University, Fullerton
FELLOW MEMBER HONOREES (PAST 10 YEARS)

FELLOW MEMBER HONOREES

ASEE LIFETIME ACHIEVEMENT AWARD IN ENGINEERING EDUCATION

BENJAMIN GARVER LAMME AWARD

FREDERICK J. BERGER AWARD

CHESTER F. CARLSON AWARD

ISADORE T. DAVIS AWARD

DUPONT MINORITIES IN ENGINEERING AWARD

CLEMENT J. FREUND AWARD (presented biennially)
JOHN L. IMHOFF AWARD

SHARON A. KEILLOR AWARD
Sheryl Sorby 2012 Mary Besterfield-Sacre 2013 Teri Reed-Rhoads 2014 Susan McCahan 2015 Mia K. Markey

JAMES H. MCGRAW AWARD
M. Hall, Jr. 2012 Ashok K. Agrawal 2013 Frank Hart 2014 Robert J. Herrick 2015 Ronald E. Land

MERIAM/WILEY DISTINGUISHED AUTHOR AWARD (presented biennially)
2006 Roger G. Harrison, Paul W. Todd, Scott R. Rudge, and Demetri P. Petrides 2008 Not Presented 2010 Antonios
G. Mikos and Johnna S. Temenoff 2012 Katta G. Murty 2014 Not Presented

FRED MERRYFIELD DESIGN AWARD (discontinued)
Timothy W. Simpson 2012 Maria Oden 2013 Harry Dankowicz 2014 Maria C. Yang

NATIONAL ENGINEERING ECONOMY TEACHING EXCELLENCE AWARD (presented biennially)
2010 Gerald A. Fleischer 2012 Richard Bernhard 2014 John A. White

NATIONAL OUTSTANDING TEACHING AWARD

ROBERT G. QUINN AWARD

WILLIAM ELGIN WICKENDEN AWARD
Cynthia Atman, Robin Adams, Monica Cardella, Jennifer Turns, Susan Mosbarg, and Jason Saleem 2009 Matthew
W. Ohland, Sheri D. Sheppard, Gary Lichtenstein, Ozgur Eris, Debbie Chachra, and Richard A. Layton 2010 David
C. McCormick, Sheri D. Sheppard, Jini Puma 2012 Matthew W. Ohland, Catherine E. Brawner, Michelle M. Camacho,
Richard A. Layton, Russell A. Long, Susan M. Lord, and Mara H. Wasburn 2013 Deborah A. Trytten, Anna Wong
M. Holloway, Teri Reed, P.K. Imbrie, and Ken Reid
For the latest list of 2016 ASEE National, Council, Section, and Division award recipients, please visit the awards page on our website: http://www.asee.org/member-resources/awards