ASEE Annual Conference & Exposition
AWARDS CEREMONY 2017

HYATT REGENCY COLUMBUS
Regency Ballroom
Columbus, Ohio
June 28, 2017
ASEE 2017 Annual Awards Ceremony

Hyatt Regency Columbus
Regency Ballroom
Columbus, Ohio
June 28, 2017

Ceremony
11:30 a.m. - 1:00 p.m.

ASEE thanks Dassault Systèmes for sponsoring the 2017 ASEE Awards Ceremony
OPENING REMARKS AND INTRODUCTION
Louis Martin-Vega
2016 – 2017 ASEE President

PRESENTATION OF PLAQUES TO OUTGOING MEMBERS OF THE ASEE BOARD OF DIRECTORS
Louis Martin-Vega

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

PRESENTATION OF NATIONAL AWARDS

DuPont Minorities in Engineering Award
Salil S. Desai

John L. Imhoff Award
César O. Malavé

James H. McGraw Award
Jeffrey L. Ray

National Outstanding Teaching Award
Amelito G. Enriquez

William Elgin Wickenden Award
Amy Wilson-Lopez, Joel Alejandro Mejia, G. Sue Kasun, and Indhira María Hasbún

ASEE Annual Conference Best Paper Awards

CLOSING CEREMONIES

Acknowledgements.............................................................................................................Louis Martin-Vega
# Outstanding Zone Campus Representative Awards

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

## Zone I

**Kassim Tarhini**  
*U.S. Coast Guard Academy*

## Zone II

**Terri M. Lynch-Caris**  
*Kettering University*

## Zone III

**Jay Wierer**  
*Milwaukee School of Engineering*

## Zone IV

**Sam Spiegel**  
*Colorado School of Mines*

### Past Winners

<table>
<thead>
<tr>
<th>Year</th>
<th>Winners</th>
<th>Zone</th>
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<tbody>
<tr>
<td>1980</td>
<td>J. Burgess, Durward Huffman, L. Greenfield, Richard Noble</td>
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<td>1981</td>
<td>N. Hsu, John Lucey, G. Trammell</td>
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<td>1982</td>
<td>B. Basore, James Moore, M. Mushala</td>
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<td>1984</td>
<td>Robert Ellson, Ronald Barr, Anthony Rigas</td>
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<td>1986</td>
<td>K. Mortimer, Charles Bissey, D. Miller</td>
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<td>1987</td>
<td>J.N. Clausen, Gerald S. Jakubowski</td>
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<td>1988</td>
<td>D. Gehmlich, Ronald Barr, Thomas Weber</td>
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<td>1989</td>
<td>Alan Lane, Thomas Mulinazzi, J.G. LoCascio, Alexander Czeto</td>
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<td>1990</td>
<td>Richard Culver, A.R. Mechanical, H.N. Wiren, Larry Pleiman</td>
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<td>1991</td>
<td>Thadeus Wisz, John Uhran, R.E. Zulinski</td>
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<td>1992</td>
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<td>C. Stewart Slater, C.S. Larson, D.L. Elfert, Edward Larson</td>
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<td>1994</td>
<td>Charles Spiteri, Seyed Mousavinezhad, Jon Jensen, Ronald Terry</td>
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<td>Surendra K. Gupta, Paul Plotkowski, Richard Lewis, Habib Sadid</td>
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<td>Dennis A. Silage, Cristina Amon, Richard Marleau, Paul Rainey</td>
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<td>William C. Beston, Jr., John H. Darnell, Ravi Pendse, Nikos J. Mortous</td>
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<td>1999</td>
<td>Deran Hanesian, John J. Uhran, Jr., John A. Wese, Paul E. Rainey</td>
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<td>2000</td>
<td>Kanti Prasad, Hugh Jack, Ronald E. Barr, Nikos J. Mourtos</td>
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<td>Harry Hess, Donald P. Visco, Christi L. Patton Luks, Marilyn Dyrud</td>
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<td>Robert Brooks, Paul Lam, Raju Dandu, Steve Beyerlein</td>
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<td>2010</td>
<td>George Sutherland, John Brocato, Walter W. Buchanan, Craig Johnson</td>
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<td>Navarun Gupta, J. P. Mohsen, Steven Hietpas, Amir Rezaei</td>
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<td>2015</td>
<td>Navarun Gupta, Terri M. Lynch-Caris, Byron Garry, Carolyn Labun</td>
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<td>2016</td>
<td>Kanti Prasad, Cindy Waters, Walter W. Buchanan, Kevin Amende</td>
<td>Zone III</td>
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</table>
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 recommends candidates to be advanced to the Fellow grade of membership. The following members meet the requirements of such membership.

**KRISTEN P. CONSTANT**  
Professor and Chair  
Materials Science and Engineering  
Iowa State University  
Nominated by Donna Reese,  
Mississippi State University

**LANCE C. PÉREZ**  
Interim Dean  
College of Engineering  
University of Nebraska, Lincoln  
Nominated by Richard L. Zollars,  
Washington State University

**TED ESCHENBACH**  
Professor Emeritus  
University of Alaska, Anchorage  
Nominated by Kim LaScola Needy,  
University of Arkansas

**STEPHEN J. RESSELLER**  
Chair  
Civil and Mechanical Engineering  
U.S. Military Academy  
Nominated by Thomas A. Lenox,  
American Society of Civil Engineers

**CRAIG J. GUNN**  
Director, Communications  
Department of Mechanical Engineering  
Michigan State University  
Nominated by Maureen A. Barcic,  
University of Pittsburgh

**JAMES R. ROWLAND**  
Professor  
Electrical Engineering and Computer Science  
University of Kansas  
Nominated by Edwin C. Jones,  
Iowa State University

**MICHAEL T. HARRIS**  
Associate Dean for Undergraduate Education and Professor  
College of Engineering  
Purdue University, West Lafayette  
Nominated by Phillip C. Wankat,  
Purdue University, West Lafayette

**CHERYL B. SCHRADER**  
President  
Wright State University  
Nominated by Edwin C. Jones,  
Iowa State University

**BETH M. HOLLOWAY**  
Director  
Women in Engineering Program  
Assistant Dean of Undergraduate Education  
College of Engineering  
Purdue University, West Lafayette  
Nominated by Jenna Carpenter,  
Campbell University

**SUSAN E. WALDEN**  
Associate Professor and Founding Director  
Office of Undergraduate Reasearch and the  
Research Institute for STEM Education (RISE)  
University of Oklahoma  
Nominated by Jenna Carpenter,  
Campbell University

**NELSON A. MACKEN**  
Professor  
Engineering Department  
Swarthmore College  
Nominated by Amir Karimi,  
University of Texas, San Antonio
Salil Desai is a professor in the department of Industrial and Systems Engineering (ISE) at North Carolina A&T State University and an adjunct faculty member at the Wake Forest Institute for Regenerative Medicine. Desai directs the Integrated Nano & Bio Manufacturing Laboratory and is an affiliate faculty member of the Joint School of Nanoscience and Nanoengineering (UNCG/NCA&T).

Desai believes that education is the mission of “igniting the spirit of inquiry to transcend knowledge that benefits humankind.” As an engineering educator, he promotes students’ ability to think analytically and independently using real-life case studies within a collaborative learning environment. He envisions a holistic education plan using a variety of pedagogical and longitudinal assessment strategies which prepares students beyond the classroom. In 2016, the UNC Board of Governors honored him with the highest teaching excellence award for translating his research into curriculum.

Desai investigates hybrid nano/micro manufacturing, combining direct-write fabrication and nanoimprint lithography with applications in the areas of flexible electronics, energy devices, and regenerative tissue engineering. At NCA&T, he has established infrastructure ($3 million), including a Class1000 cleanroom, bio-printing technology, nanoimprint lithography, and metal-ceramic 3D printer. Desai’s portfolio consists of more than 100 patents/invention disclosures, publications, book chapters, and conference proceedings. His R&D funding exceeds $6 million from NIH, NSF, DoD, DoE, and the North Carolina Biotechnology Center.

Desai has been recognized by several prestigious awards, including the Triad Business Journal’s 40 Leaders under 40 and Outstanding Engineer Awards from Oak Ridge National Laboratory and the Department of Defense. Desai obtained his B.S. in Mechanical Engineering from the University of Mumbai in India and M.S. and Ph.D. degrees in Industrial Engineering from the University of Pittsburgh.

SALIL S. DESAI
Associate Professor
Industrial and Systems Engineering
North Carolina A&T State 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.

Salil S. Desai is recognized for his seminal contributions to increasing participation and retention of minorities in engineering at North Carolina A&T State University, for which he received the IIE UPS Minority Advancement Award. He has spearheaded programmatic, infrastructure, and extramural efforts that have led to a steady pipeline of minority engineers with careers in industry, academia, and national laboratories via the NSF Bridge to the Doctorate Fellowship, NC-LSAMP, and NASA-SEMAA enrichment programs. For his engineering stewardship of minority students, he is the recipient of the NSF CAREER Award and Outstanding Young Investigator awards from ASEE, ASME, IIE, SME, DoD, and DoE.

Nominated by Tonya Lynette Smith-Jackson, North Carolina A&T State University
César Malavé is dean and professor in the chemical engineering program at Texas A&M University at Qatar. He was previously professor and department head of industrial and systems engineering at Texas A&M University and holder of the Sugar and Mike Barnes Department Head Chair. Under his leadership, the department recruited a number of new faculty at both the junior and senior levels, developed a new advanced manufacturing initiative, and launched major initiatives to revamp the undergraduate curriculum and graduate program. His major career accomplishments are in the areas of manufacturing systems analysis, engineering education innovation, and diversity development for engineering faculty and undergraduate student programs. He has been the principal or co-principal investigator of more than $35 million in sponsored research and academic projects.

Malavé is a member of the American Society of Engineering Education (ASEE), the Institute for Operations Research and the Management Sciences (INFORMS), and the Institute of Industrial and Systems Engineers (IISE), where he served on the Council of Industrial Engineering Academic Department Heads (CIEADH) and is past president of the ISERC Oversight Subcommittee. He also has served on the editorial board of the recently published book, Global Engineering: Design, Decision Making, and Communication. Malavé earned a B.S. in chemical engineering and an M.S. in operations research from the Georgia Institute of Technology, and a Ph.D. in industrial engineering from the University of South Florida. He joined the industrial engineering faculty at Texas A&M in 1987.

Malavé is recognized for his 30-year commitment to the field of industrial engineering, for his far-reaching work in interdisciplinary and international engineering education, for his leadership in developing educational diversity in the academy, and for his pioneering contributions to undergraduate engineering education. His innovations have influenced thousands of engineers across the globe, and his contributions will have lasting impact far into the 21st century.

César O. Malavé
Dean and Professor
Texas A&M University at Qatar

Malavé has served in a variety of administrative positions for the College of Engineering at Texas A&M, including assistant dean for international programs, associate dean for recruitment and international programs, associate dean of engineering, and associate agency director of the Texas A&M Engineering Experiment Station (TEES). As associate dean, he was responsible for all international collaborations and undergraduate recruitment programs. As TEES assistant agency director, he was responsible for providing leadership to the Office of Strategic Research Development, the Office of Engineering Safety, and the overall coordination of the TEES regional divisions.

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Malavé is recognized internationally for his contributions to engineering education. His work was the result of a 10-year NSF-funded Foundation Coalition Grant to revamp engineering education. As lead PI for Texas A&M, Malavé coordinated all activities related to curricula development, implementation, and outcomes assessment across partner sites, disseminating this educational model through workshops in the United States and many countries.

Malavé is committed to diversity, promoting a bias- and discrimination-free environment, and providing a university experience rich in diverse perspectives and varied opportunities. As chief of diversity for Texas A&M’s College of Engineering, he led multidisciplinary efforts to develop and implement underrepresented high school recruiting, summer bridge programs, and faculty and staff programs to promote diversity in hiring, retention, and promotion. In 2013, he received the Texas A&M Faculty Diversity Award.

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Jeffrey L. Ray is Dean of the College of Engineering and Technology at Western Carolina University (WCU) and a professor of mechanical engineering. He joined the university in 2014 and is leading innovation in the project-based learning curricula across all engineering technology and engineering programs. Prior to joining WCU, Ray was Dean of the School of Engineering Technology and Management and professor of mechanical engineering at Grand Valley State University (GVSU) for ten years, leading its multidisciplinary industry-sponsored capstone engineering design courses. His academic career began as an assistant professor of mechanical engineering at Youngstown State University.

Ray, an ASEE Fellow, has served the Society in a variety of roles since 1993, including publishing many conference papers at the section and national levels. His activities include serving as Director and Chair of the Engineering Technology Council (ETC) in addition to serving on the ASEE Board of Directors as Council Chair and Vice-President of Institutional Councils. He served on the P-12 Education committee as the ETC representative and is currently the chair of ASEE’s Risk Management Committee and co-chair elect for the Engineering Deans Council’s Undergraduate Experience Committee.

Ray currently serves as chair of ABET’s Academic Advisory Council, reporting to ABET’s Board of Directors on issues identified from the accrediting body’s academic constituents.

Ray received both his B.S. and M.S. degrees in mechanical engineering from Tennessee Technological University and a Ph.D. in mechanical engineering from Vanderbilt University, where he worked in the Department of Orthopaedics, performing skeletal biodynamics research. Before beginning engineering school, he completed an apprenticeship and was awarded the title of Journeyman Industrial Electrician. These professional experiences have provided opportunities to experience the full spectrum of engineering careers.

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.
Amelito Enriquez is a professor of engineering and mathematics at Cañada College, a federally designated Hispanic-Serving community college in Redwood City, California. He received his B.S. in geodetic engineering from the University of the Philippines, his M.S. in geodetic science from the Ohio State University, and his Ph.D. in mechanical engineering from the University of California, Irvine.

Enriquez has served as the principal investigator for several projects, with budgets totaling over $15 million, funded by the U.S. Department of Education, National Science Foundation, NASA, and the Department of Labor. He developed a number of programs to support community college faculty through the Summer Engineering Teaching Institute, the Joint Engineering Program (a collaboration of 28 colleges to help strengthen community college engineering programs), a statewide articulation workshop for lower-division engineering courses, and a multi-institutional collaborative project that aims to develop online labs and alternative classroom models for engineering courses.

Enriquez has received a number of local, regional, and national teaching awards, including the 2010 Presidential Award for Excellence in Science, Mathematics, and Engineering Mentoring; 2016 American Society for Engineering Education Pacific Southwest Section Outstanding Teacher Award; 2015 White House Initiative on Educational Excellence for Hispanics’ Bright Spots in Hispanic Education; 2015 Innovation of the Year Award from the League for Innovation in the Community College; 2013 Excelencia in Education Award; 2013 Exemplary Program Award from the Academic Senate for California Community College and the Foundation for Community College; 2013 J. Russell Kent Award from the San Mateo County School Board Association; 2012 Redwood City Council Recognition for Excellence in STEM Education; 2011 Consulate General of the Philippines Achievement in Science, Mathematics, and Engineering; 2008 ASEE PSW Section Outstanding Community College Educator Award; 2008 Hewlett-Packard Excellence in Technology for Teaching Award; 2007 Cañada College Classified Senate Faculty Recognition Award; 2006-2007 California Community College @ONE Scholars Program Fellowship; Cañada College Lucas-Berry Award for Exemplary Faculty; and the League of California Community Colleges “Out-Of-The-Box Thinkers” Award.

An active member of ASEE for the past 15 years, Enriquez is currently the Executive Secretary of the ASEE Pacific Southwest Section, having previously served as the Section Chair and the Vice Chair for Community Colleges. He is also the current Chair of the ASEE Two-Year College Division, having previously served as the vice chair and program chair.

Nominated by Panadda Marayong, California State University, Long Beach
The ASEE President’s Award recognizes organizations that encourage PreK-12 students to pursue engineering studies and careers, and/or influence public opinion and create recognition of the critical role that engineering plays in today’s technology-driven society. The award is funded by the ASEE Engineering Deans Council and consists of an inscribed plaque.

The award is presented in honor of efforts by Yannis C. Yortsos, dean of the University of Southern California’s Viterbi School of Engineering, to promote ASEE’s Deans Diversity Pledge and his subsequent presentation to the White House, in August 2015, of a signed pledge from nearly 150 deans. As of this writing, the pledge has nearly 210 signatories. This effort has raised public awareness not only of colleges of engineering throughout the country but also of the profession’s commitment to addressing the challenge of managing diversity in our institutions. Yortsos devoted his own personal time and Viterbi resources to initiate, draft, and circulate the pledge.

Dean Yannis Yortsos and the Viterbi School were co-founders of the Grand Challenges Scholars Program. Inspired by the National Academy of Engineering’s (NAE) Grand Challenges, this program makes young people aware of engineering’s role in solving the challenges facing society and equips them to address these problems. Yortsos and Viterbi co-hosted the first NAE Grand Challenges Summit in 2009 at Duke University and the second Grand Challenges Summit in 2010 at the University of Southern California, and have been engaged at the steering committee level in its global extension that now includes three academies of engineering (NAE, the Chinese Academy of Engineering, and the Royal Academy of Engineering) and three Global Summits (in London, in 2013, Beijing, in 2015, and Washington, D.C., in 2017). Yortsos and the Viterbi School have organized the Student Day Business Model Competition, which is a global competition among engineering teams from the three countries and precedes the Global Summit.

Under Yortsos’s leadership, the Viterbi School has increased substantially in size, quality, and diversity of its faculty and undergraduate, graduate, and Ph.D. student body. The school has seen retention and graduation rates rise, a growing number of faculty receive major national and international awards, and a thriving research program expand to include six national research centers and total multiyear, multischool funding of close to $200 million. Yortsos championed a concept called Engineering + that positions engineering as the enabling discipline of our times, helps change the conversation about the impact of engineering, and expands the appeal of engineering to a more diverse talent pool. He spearheaded strategic directions for the creation of educational and research programs that respond to the critical needs of the profession and society, including global outreach.

Nominated by Louis A. Martin-Vega, North Carolina State University
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 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.

Amy Wilson-Lopez, Joel Alejandro Mejia, G. Sue Kasun, and Indhira María Hasbún receive the 2017 William Elgin Wickenden Award in recognition of their article, “Latina/o Adolescents’ Funds of Knowledge Related to Engineering,” which was published in the April 2016 issue of the Journal of Engineering Education.

Amy Wilson-Lopez is an associate professor at Utah State University in the School of Teacher Education and Leadership. Her research and community outreach activities focus on youth-driven, literacy-infused engineering with emergent bilingual K-12 students. Through her research and practice, she seeks to develop and examine engineering pedagogies that rigorously engage underrepresented students’ linguistic and cultural practices as assets to engineering.

Joel Alejandro Mejia is an assistant professor of engineering at Angelo State University. He received his B.S. in metallurgical and materials engineering from the University of Texas at El Paso, his M.S. in metallurgical engineering from the University of Utah, and his Ph.D. in engineering education from Utah State University. Prior to working as an assistant professor, he worked at Tinker Air Force Base as a materials engineer, and at FLSmidth Minerals as a project engineer. Mejia is a former Gates Millennium Scholar and CADRE Fellow, and has participated in different outreach programs to inspire the next generation of STEM professionals. His current research focuses on how Latino adolescents use engineering design processes to solve community-based projects, and how their household bodies of knowledge and social practices connect to engineering. He also is particularly interested in indigenous ways of knowing, engineering literacy, equity-oriented instructional strategies and models that support engineering literacy learning, and institutional diversity and inclusivity in engineering.
Indhira María Hasbún is a Ph.D. student in the Department of Engineering Education at Virginia Tech. Her current research focuses on professional ethics identity development in undergraduate engineering students. She is interested in expanding her line of research to include social justice and community engagement in engineering, particularly as it pertains to the Hispanic community.

G. Sue Kasun is assistant professor of language education at Georgia State University in Atlanta. She has extensively researched with Mexican-origin populations for over two decades. Her work is multi-sited, situated in sending and receiving communities spanning the U.S.-Mexican border, highlighting the transnationalism of many immigrant communities. She has focused on Mexican-origin populations’ ways of knowing and intersections with language education as well as how youth of Mexican origin have performed in schools. Her research is published in several prestigious education journals, including Teachers College Record, Anthropology & Education Quarterly, and TESOL Quarterly.
ASEE ANNUAL CONFERENCE BEST PAPER AWARDS

(For papers that were presented at the 2016 ASEE Annual Conference)

This award recognizes high-quality papers presented at the ASEE 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:
Norman D. Dennis, Jr., University of Arkansas
Edgar C. Clausen, University of Arkansas
PAPER: “Clinical Faculty Development Program”

BEST PAPER - PIC I
PRESENTED TO:
Peter Schuster, California Polytechnic State University, San Luis Obispo
James Widmann, California Polytechnic State University, San Luis Obispo
PAPER: “All Active All the Time? What are the Implications of Teaching a Traditional Content-Rich Machine Components/Mechanical Systems Design Course Using Active Learning?”

BEST PAPER - PIC II
PRESENTED TO:
Derek Reamon, University of Colorado, Boulder
Beth Myers, University of Colorado, Boulder
Jacquelyn Sullivan, University of Colorado, Boulder
Marissa Forbes, University of Colorado, Boulder
PAPER: “Exploring Student Impressions of and Navigations through a Flexible and Customizable Multidisciplinary Engineering Program”

BEST PAPER - PIC III
PRESENTED TO:
Kurt Paterson, James Madison University
Chris Swan, Tufts University
David Watkins, Michigan Technological University

BEST PAPER - PIC IV
PRESENTED TO:
Angela R. Bielefeldt, University of Colorado, Boulder
Nathan Canney, Seattle University
PAPER: “Perspectives of Engineers on Ethical Dilemmas in the Workplace”

BEST PAPER - PIC V
PRESENTED TO:
Vedaraman Sriraman, Texas State University, San Marcos
Bobbi Spencer, Texas State University, San Marcos
Kimberly Talley, Texas State University, San Marcos
Araceli Ortiz, Texas State University, San Marcos
PAPER: “Early Internships for Engineering Technology Student Retention: A Pilot Study”

BEST CONFERENCE PAPER
PRESENTED TO:
Kurt Paterson, James Madison University
Chris Swan, Tufts University
David Watkins, Michigan Technological University
PAPER: “Going is Not Knowing: Challenges in Creating Intercultural Engineers”
ASEE ENGINEERING RESEARCH COUNCIL
Curtis W. McGraw Research Award
This award was established in 1957 to recognize outstanding early achievements by young engineering college research workers and to encourage the continuance of such productivity.

Jordan J. Green
Johns Hopkins University

Jordan J. Green is recognized for outstanding research achievements in the fields of biomedical engineering, chemical engineering, and materials science and engineering, particularly for the discovery, development, and engineering of innovative nanobiotechnology for intracellular delivery and biomimetic instructive materials as therapeutics.

Jordan J. Green is an associate professor of biomedical engineering, ophthalmology, oncology, neurosurgery, and materials science and engineering at the Johns Hopkins University School of Medicine. He is also an executive committee member of the Institute for NanoBioTechnology and co-founder of the Translational Tissue Engineering Center.

Green received his B.S. in chemical engineering and in biomedical engineering from Carnegie Mellon University in 2003 and completed his Ph.D. in biological engineering from the Massachusetts Institute of Technology in 2007. Subsequently, he was a postdoctoral associate at MIT in chemical engineering from 2007-2008.

Green serves as the chair of the Drug Delivery Special Interest Group of the Society For Biomaterials. He is also the CTO and co-founder of the Baltimore biotech start-up company, AsclepiX Therapeutics. His work has resulted in the publication of over 70 papers and he has received numerous awards, including the American Institute of Chemical Engineers Allan P. Colburn Award, the Biomedical Engineering Society Rita Schaffer Award, the American Society for Gene & Cell Therapy Outstanding New Investigator Award, the Tissue Engineering and Regenerative Medicine International Society-Americas Young Investigator Award, and the Presidential Early Career Award for Scientists and Engineers. In 2014, he was named a Popular Science “Brilliant Ten.”

ASEE CORPORATE MEMBER COUNCIL
Excellence in Engineering Education Collaboration Award
This award recognizes CMC member companies that demonstrate best practices in their collaborative efforts with education to enhance engineering education.

The Boeing Company

Program-Architecture and Systems Engineering: Models and Methods to Manage Complex Systems

“Architecture and Systems Engineering: Models and Methods to Manage Complex Systems” is a four-course online program leading to a professional certificate from MIT, developed in collaboration with Boeing, NASA, and EdX. The program, which is open to the public, blends industry practice with academic theory in systems thinking through competency-based training and is delivered via EdX. Learners have the flexibility to enroll in either an individual course (four to five weeks in duration) or to pursue the professional certificate. The content, which can be accessed anytime, anywhere, deeply engages and maximizes learner outcomes via videos, individual and team projects, readings, discussions, ungraded and graded problems, peer review, and self-assessment.

Over 1,800 professionals from Boeing, NASA, and many other companies, as well as independent learners, have enrolled for the entire program. The completion rate for the first three courses (Course 4 is underway) is 96 percent.
These awards, given by each ASEE section, recognize the outstanding teaching performance of an engineering or engineering technology educator. The awards consist of a framed certificate and an appropriate honorarium presented by the local section. Congratulations to this year’s award recipients:

**Illinois/Indiana Section** ........................................... Matthew Lovell  
Rose-Hulman Institute of Technology

**Middle Atlantic Section** ......................................... Brock Barry  
United States Military Academy

**North Central Section** ........................................... Jeffrey Kastner  
University of Cincinnati

**Northeast Section** ................................................ Lucas Landherr  
Northeastern University

**Pacific Northwest Section** ..................................... Krishna Pakala  
Boise State University

**Pacific Southwest Section** ..................................... Rose-Margaret Itua  
Ohlone College

**Southeast Section** ................................................ Jason Howison  
The Citadel

**St. Lawrence Section** ............................................. Elizabeth M. Fisher  
Cornell University
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. The following are this year’s award recipients:

**Gulf Southwest Section** ................................................................. Stan McClellan
Texas State University

**Illinois/Indiana Section** ................................................................. Ryan Fries
Southern Illinois University Edwardsville

**Middle Atlantic Section** ............................................................... Mohsen Mosleh
Howard University

**North Central Section** ................................................................. Terri M. Lynch-Caris
Kettering University

**North Midwest** ................................................................. Jay Wierer
Milwaukee School of Engineering

**Northeast Section** ................................................................. Kassim Tarhini
U.S. Coast Guard Academy

**Rocky Mountain Section** ............................................................ Sam Spiegel
Colorado School of Mines

**Southeast Section** ................................................................. John Brocato
Mississippi State University

**St. Lawrence Section** ................................................................. Anthony P. Dalessio
Erie Community College
GULF SOUTHWEST SECTION

BEST PAPER
James Harbuck, Ana Macias, Jeffrey Weaver, and Joshua Weber
University of Texas, San Antonio
PAPER: “VacMAPS (Vaccine Management and Preservation System)”

OUTSTANDING YOUNG FACULTY AWARD
Krystel Castillo
University of Texas, San Antonio

MIDDLE ATLANTIC SECTION

BEST PAPER
Mohsen Mosleh and Mark Thom
Howard University
PAPER: “Design-Build, Project-Based Learning in an Engineering Materials Laboratory”

LIFETIME SERVICE AWARD
Victor Schutz
Temple University

PACIFIC SOUTHWEST SECTION

BEST SECTION PAPER AND BEST DIVERSITY PAPER
Amelito Enriquez
Cañada College
Erik Dunmire
College of Marin
Thomas Rebold
Monterey Peninsula College
Nicholas Langhoff
Skyline College
Tracy Huang
Cañada College
PAPER: “Strengthening Community College Engineering Programs through Alternative Learning Strategies: Developing an Online Engineering Graphics Course”

OUTSTANDING UNDERGRADUATE STUDENT AWARD
Maria Jose Quezada
Arizona State University

ROCKY MOUNTAIN SECTION

BEST PAPER AWARD
Audrianna Rodriguez
University of New Haven
Maria-Isabel Carnasciali
University of New Haven
Shannon Ciston
University of California, Berkeley
Melissa L. Whitson
University of New Haven
Viktoria Zelenak Berendt
University of New Haven
PAPER: “Stress and Response Patterns in Adult Engineering Students within Higher Education”

BEST PRESENTATION AWARD
Jackson J. Graham and Randy C. Hurd
Utah State University
PAPER: “Adding a New Dimension to a Traditional Conduction Lab”
PROFESSIONAL AND TECHNICAL DIVISION AWARDS

AEROSPACE ENGINEERING DIVISION

JOHN LELAND ATWOOD AWARD

Hanspeter Schaub
Associate Chair, Graduate Studies, and Professor,
Aerospace Engineering Sciences
University of Colorado, Boulder

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 medallion and a certificate to the recipient at its annual aerospace sciences meeting.

NUCLEAR ENGINEERING DIVISION

GLENN MURPHY AWARD

Gary S. Was
Professor, Nuclear Engineering and Radiological Sciences
University of Michigan

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.

MECHANICAL ENGINEERING DIVISION

RALPH COATS ROE AWARD

Michael Peshkin
Professor, Mechanical Engineering
Northwestern University

This award honors an outstanding mechanical engineering teacher who has made notable contributions to the engineering profession. Financed from an endowment established by Kenneth A. Roe of Burns and Roe, Inc. in honor of his father, Ralph Coats Roe, the award consists of a $10,000 honorarium, a plaque, and reimbursement of travel expenses to attend the ASEE Annual Conference.
OTHER DIVISION AWARDS

BIOMEDICAL ENGINEERING DIVISION

THEO C. PILKINGTON OUTSTANDING EDUCATOR AWARD
Joe Tranquillo
Bucknell University

BIOMEDICAL ENGINEERING TEACHING AWARD
Casey Ankeny
Arizona State University

BEST PAPER AWARD
Christa M. Wille, Dalton J. Hess, Jacob, M. Levin, Amit J. Nimunkar, and John P. Puccinelli
University of Wisconsin, Madison
PAPER: “Impact of a Sophomore BME Design Fundamentals Course on Student Outcome Performance and Professional Development”

STUDENT TRAVEL AWARDS
Anahid Ebrahimi
University of Delaware
Yanfen Li
University of Illinois, Urbana-Champaign

CIVIL ENGINEERING DIVISION

GEORGE K. WADLIN DISTINGUISHED SERVICE AWARD
Norman Dennis
University of Arkansas

GERALD R. SEELEY AWARD
Mary Katherine Watson
The Citadel
PAPER: “Validating Content of a Sustainable Design Rubric Using Established Frameworks”

GLEN L. MARTIN PRACTITIONER SERVICE AWARD
Daniel H. Tobias
Saint Louis University

STEPHEN J. RESSLER BEST PAPER AWARD
Kenneth J. Fridley, W. Edward Back, and Derek G. Williamson
University of Alabama
ARTICLE: “The ASCE BOK, ABET Accreditation Criteria, and NCEES FE Exam - Are They Appropriately Aligned?”

COLLEGE-INDUSTRY PARTNERSHIPS DIVISION

BEST MODERATOR AWARD
Lori Glover
Massachusetts Institute of Technology

BEST SESSION AWARD
CIPD Round Table
Presenters:
Charles Baukai
John Zink Co.
David Schmueser
Clemson University
Jeff Smith
Schneider Electric
Dave Wilson
National Instruments

BEST SPEAKER AWARD
Brent Rudd
University of Cincinnati

CONTINUING PROFESSIONAL DEVELOPMENT DIVISION

BEST MODERATOR AWARD
Hiroyuki Iino
Iowa State University

BEST PRESENTER AWARD
Pat Hall
University of Tulsa

BEST SESSION AWARD
Carissa Little and Paul Marca
Stanford University
OTHER DIVISION AWARDS (CONT.)

COOPERATIVE AND EXPERIENTIAL EDUCATION DIVISION

BEST NEW PRESENTER AWARD
Jennifer Evanuk
Georgia Tech

BEST PRESENTER AWARD
Cathy Wicks
Texas Instruments

BEST SESSION AWARD
CEED Industry Roundtable

Moderator:
Reginald McGregor
Rolls-Royce Corporation

Presenters:
Gregory Martin
ExxonMobil
Richard Maynard
Turner Construction Company
Duane Crockrom
Cleveland State University-Parker Hannifin Corporation

HOMER I. BERNHARDT DISTINGUISHED SERVICE AWARD
Michael White
Queen’s University

ENGINEERING MANAGEMENT DIVISION

BEST PAPER AWARD
William J. Schell, Charlee Millett, Sandra Wilson Kuntz, and Durward K. Sobek
Montana State University

BEST PRESENTATION AWARD
Craig Downing
Rose-Hulman Institute of Technology
PAPER: “Stress Fracture: Adverse Effects of Lean Initiatives”

MERL BAKER AWARD
Amy K. Zander
Clarkson University

ELECTRICAL AND COMPUTER ENGINEERING DIVISION

DISTINGUISHED EDUCATOR AWARD
Jeffrey E. Froyd
Texas A&M University

MERITORIOUS SERVICE AWARD
Diane Rover
Iowa State University

BERNARD R. SARCHET AWARD FOR ACHIEVEMENT IN ENGINEERING MANAGEMENT EDUCATION
Stephanie Adams
Old Dominion University

ENGINEERING LIBRARIES DIVISION

BEST PUBLICATION AWARD
Megan Sapp Nelson
Purdue University
ARTICLE: “Using Altmetrics as an Engineering Faculty Outreach Tool”

INDUSTRIAL ENGINEERING DIVISION

BEST PAPER AWARD
Christina R. Scherrer, Michael Maloni, Elizabeth M. Boyd, and Stacy M. Campbell
Kennesaw State University
PAPER: “Industrial Engineering Students’ Perceptions of the Logistics and Supply Chain Industry”

NEW ATTENDEE TRAVEL GRANT
Philip Appiah-Kubi
University of Dayton
OTHER DIVISION AWARDS (CONT.)

MATHEMATICS DIVISION

WILLIAM T. GUY, JR. DISTINGUISHED EDUCATOR AND SERVICE AWARD

William Fitzgibbon
University of Houston

MECHANICAL ENGINEERING DIVISION

BEST PAPER AWARD

Molly McVey, Carl Luchies, and Adrian Villicana
University of Kansas
PAPER: “Impact of High Performing Teams on Student Learning”

NEW EDUCATOR AWARD

Diane L. Peters
Kettering University

MULTIDISCIPLINARY ENGINEERING DIVISION

BEST PAPER AWARD

Mary Katherine Watson
The Citadel
Elise Barrella
James Madison University
PAPER: “A Systematic Review of Sustainability Assessments in ASEE Proceedings”

MILITARY AND VETERANS CONSTITUENT COMMITTEE DIVISION

BEST PAPER AWARD

Catherine Mobley
Clemson University
Catherine E. Brawner
Research Triangle Educational Consultants
Joyce B. Main
Purdue University
Susan Lord
University of San Diego
Michelle M. Camacho
University of San Diego
PAPER: “Entering the Engineering Pathway: Student Veterans’ Decision to Major in Engineering”
FELLOW MEMBER HONOREES
2007 Ashok Agrawal, Don Dekker, Elliot Eisenberg, Wolter Fabycky, Patricia Fox, John Heywood, Raymond Morrison, Robert Mott, Donald Myers, Michael O’Hair, Sarah Rajala, Sheri Sheppard, Charles Yokomo

2008 Ted Batchman, Marilyn Dyrud, John Enderle, Norman Fortenberry, Frank Huband, Thomas Litzinger, Lakshmi Munukutla, Conrad Newberry, Nicholas Peppas, Andrew Pytel, Gloria Rogers, Kirk Schulz


2012 Janie Fouke, Jane Fraser, Jeffrey E. Froyd, Lawrence J. Genalo, Thomas M. Hall, Jr., Robert J. Herrick, Marybeth Lima, Charles McIntyre, Matthew W. Ohland, Diane T. Rover, Richard Zollars


2014 Laura Bottomley, Rebecca Brent, Christine M. Cunningham, Patricia Hall, Jason M. Keith, Kim LaScola Needy, Hamid R. Parsaei, Jeffrey L. Ray, Mary A. Sadowski, Ann Saterbak, Noel N. Schulz, John J. Uhran, Jr.

2015 Patricia D. Bazrod, Daina Briedis, Martha Cyr, Norman D. Dennis, Stephanie Farrell, Richard O. Mines, S. Hossein Mousavinezhad, Ruth A. Streveler, Donald P. Visco, Richard C. Warder, Ronald W. Welch


FREDERICK J. BERGER AWARD
2007 Edward Tezak
2008 Warren Hill
2009 Richard Denning
2010 Robert Herrick
2011 Carol Richardson
2012 Kenneth Rennels
2013 Marilyn Dyrud
2014 Jay R. Porter
2015 Scott C. Dunning
2016 Niaz Latif

CHESTER F. CARLSON AWARD
2007 Rebecca Richards-Kortum
2008 Not Presented
2009 Kamyar Haghighi
2010 Philip S. Schmidt
2011 M. Granger Morgan
2012 William C. Oakes
2013 Timothy J. Anderson
2014 Not Presented
2015 Barbara A. Oakley
2016 Not Presented

ISADORE T. DAVIS AWARD
(first presented in 2011)
2011 Dharmaraj Veeramani
2012 Mohammad Noori
2013 Ramulu Mamidalu
2014 Not Presented
2015 Not Presented
2016 Ramesh K. Agarwal

ASEE LIFETIME ACHIEVEMENT AWARD IN ENGINEERING EDUCATION
2012 Richard M. Felder
2014 James E. Stice
2015 Karl A. Smith

Benjamin Garver Lamme Award
2007 Roland Haden
2008 Ernest Smerdon
2009 John W. Prados
2010 James Stice
2011 Jean-Lou Chameau
2012 Lester A. Gerhardt
2013 Nicholas A. Peppas
2014 Pablo G. Debenedetti
2015 Clive L. Dym
2016 David C. Munson

DUPONT MINORITIES IN ENGINEERING AWARD
2007 Gerhard Paskusz
2008 Stephanie Adams
2009 Brenda Hart
2011 Richard A. Tapia
2012 Carolyn Vallas
2013 Not Presented
2014 Stephanie Luster-Teasley
2015 Helene Finger
2016 Bruce A. Lindvall
CLEMENT J. FREUND AWARD
(presented biennially beginning in 1995)
2007 Les Leone
2009 Brenda J. LeMaster
2011 Helen C. Oloroso
2013 Kenneth C. Porteous
2015 William D. Taylor

JOHN L. IMHOFF AWARD
(first presented in 2006)
2007 Jack Lohmann
2008 Gavriel Salvendy
2009 Jose L. Zayas-Castro
2010 Adedeji Badiru
2011 Not Presented
2012 Bopaya Bidanda
2013 Mario Beruvides
2014 Not Presented
2015 Not Presented
2016 Edward A. Pohl

MERIAM/WILEY DISTINGUISHED AUTHOR AWARD
(presented biennially beginning in 1993)
2008 Not Presented
2010 Antonios G. Mikos, Johnna S. Temenoff
2012 Katta G. Murty
2014 Not Presented
2016 Not Presented

NATIONAL ENGINEERING ECONOMY TEACHING EXCELLENCE AWARD
(first presented in 2010)
2010 Gerald A. Fleischer
2012 Richard Bernhard
2014 John A. White
2016 Ted Eschenbach

NATIONAL OUTSTANDING TEACHING AWARD
(first presented in 2004)
2007 Dennis Silage
2008 Jerry Samples
2009 Donald Visco, Jr.
2010 J. Ledlie Klosky
2011 Autar Kaw
2012 Col. Bobby “Grant” Crawford
2013 Yacob Astatke
2014 Jeffrey Will
2015 Robert M. Brooks
2016 Mary C. Verstraete

JAMES H. MCGRAW AWARD
2007 Warren Hill
2008 Patricia Fox
2009 John Stratton
2010 Marilyn Dyrud
2011 Thomas M. Hall, Jr.
2012 Ashok K. Agrawal
2013 Frank Hart
2014 Robert J. Herrick
2015 Ronald E. Land
2016 Carol Richardson

ROBERT G. QUINN AWARD
2007 Ann Saterbak
2008 Not Presented
2009 Jay Porter
2011 Ahmed Rubaai
2012 Thomas F. Schubert, Jr.
2013 Not Presented
2014 Surendra K. Gupta
2015 Larry Cartwright
2016 Not Presented

WILLIAM ELGIN WICKENDEN AWARD
2007 Robert J. Roselli and Sean P. Brophy
2008 Cynthia Atman, Robin Adams, Monica Cardella, Jennifer Turns, Susan Mosborg, Jason Saleem
2009 Matthew W. Ohland, Sheri D. Sheppard, Gary Lichtenstein, Ozgur Eris, Debbie Chachra, Richard A. Layton
2010 David Jonassen, Demei Shen, Rose M. Marra, Young-Hoan Cho, Jenny Lo, Vinod Lohani
2011 Gary Lichtenstein, Alexander C. McCormick, Sheri D. Sheppard, Jini Puma
2013 Deborah A. Trytten, Anna Wong Lowe, Susan E. Walden
2015 Beth M. Holloway, Teri Reed, P.K. Imbrie, and Ken Reid
2016 Debra M. Friedrichsen, Benjamin U. Sherrett, Edith S. Gummer, Audrey B. Champagne, and Milo D. Koretsky
ASEE Annual Conference & Exposition
Columbus Convention Center
Columbus, Ohio
June 25 – 28, 2017

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