ASEE Annual Conference & Exposition
AWARDS BANQUET 2010

LOUISVILLE MARRIOTT DOWNTOWN
Marriott Ballroom, Salons V and VI
Louisville, Kentucky
June 23, 2010
ASEE 2010 Annual Awards Reception & Banquet

Louisville Marriott Downtown
Marriott Ballroom
Salons IV, V and VI
Louisville, Kentucky
June 23, 2010

Reception
6:30–7:00 p.m.

Awards Banquet
7:00–10:00 p.m.

For the most current list of the 2010 ASEE National, Council, Section and Division award recipients, please visit the awards page of our Web site at http://www.asee.org/activities/awards/index.cfm. This list is updated as awards information is reported.

ASEE thanks Dassault Systemes for sponsoring the 2010 ASEE Awards Reception and Banquet.
ASEE ANNUAL CONFERENCE

ASEE Annual Conference 2010 Awards Banquet
Louisville Marriott Downtown
Marriott Ballroom—Salons V and VI
Louisville, Kentucky
June 23, 2010

OPENING REMARKS AND INTRODUCTION: ................................................................. J. P. Mohsen
2009-2010 ASEE President

PRESENTATION OF PLAQUES TO OUTGOING MEMBERS OF THE ASEE BOARD OF DIRECTORS ............................................................. J. P. Mohsen

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

Benjamin Garver Lamme Award
James Stice

PRESENTATION OF NATIONAL AWARDS:

Frederick J. Berger Award
Robert Herrick

Chester F. Carlson Award
Philip S. Schmidt

John L. Imhoff Award
Adedeji Badiru

Sharon A. Keillor Award
Kauser Jahan

James H. McGraw Award
Marilyn Dyrud

Meriam/Wiley Distinguished Author Award
Antonios G. Mikos
Johnna S. Temenoff

Fred Merryfield Design Award
Kemper Lewis

National Engineering Economy Teaching Excellence Award
Gerald A. Fleischer

National Outstanding Teaching Award
J. Ledlie Klosky

William Elgin Wickenden Award
David Jonassen, Demei Shen, Rose M. Marra, Young-Hoan Cho, Jenny Lo, Vinod Lohani

ASEE Annual Conference Best Paper Awards

CLOSING CEREMONIES:

Acknowledgements ................................................................. J. P. Mohsen

Passing of the Official Gavel to new ASEE President Renata Engel ............................................................. J. P. Mohsen

Presentation of Gift of Appreciation to Retiring ASEE President J. P. Mohsen ............................................................. Renata Engel

Presidential Remarks ............................................................. Renata Engel

Recognition of Continuing Members of the ASEE Board of Directors ............................................................. Renata Engel

Presentation of Board Member Pins to Incoming Members of the ASEE Board of Directors ............................................................. Renata Engel

Resolution of Appreciation ............................................................. Don Giddens
ASEE President-Elect

Closing Declaration ............................................................. Renata Engel
OUTSTANDING ZONE CAMPUS REPRESENTATIVE AWARD

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

ZONE I
George Sutherland
Rochester Institute of Technology

ZONE II
John Brocato
Mississippi State University

ZONE III
Walter W. Buchanan
Texas A&M University

ZONE IV
Craig Johnson
Central Washington University

PAST WINNERS

1980  J. Burgess, Durward Huffman, L. Greenfield, Richard Noble
1981  N. Hsu, John Lucey, G. Trammell
1982  B. Basore, James Moore, M. Mushala
1984  Robert Ellson, Ronald Barr, Anthony Rigas
1986  K. Mortimer, Charles Bissey, D. Miller
1987  J.N. Clausen, Gerald S. Jakubowski
1988  D. Gehmlich, Ronald Barr, Thomas Weber
1989  Alan Lane, Thomas Mulinazzi, J.G. LoCascio, Alexander Czeto
1990  Richard Culver, A.R. Mechanical, H.N. Wiren, Larry Pleiman
1991  Thadeus Wisz, John Uhran, R.E. Zuliniski
1992  S. Sathisan
1993  C. Stewart Slater, C.S. Larson, D.L. Elfert, Edward Larson
1994  Charles Spiteri, Seyed Mousavinezhad, Jon Jensen, Ronald Terry
1995  Surendra K. Gupta, Paul Plotkowski, Richard Lewis, Habib Sadid
1996  Dennis A. Silage, Cristina Amon, Richard Marleau, Paul Rainey
1997  Col. Thomas A. Lenox, Kenneth P. Brannan, Amir Karimi, David E. Westler
1998  William C. Beston, Jr., John H. Darnell, Ravi Pendse, Nikos J. Mourtos
1999  Deran Hanesian, John J. Uhran, John A. Weese, Paul E. Rainey
2000  Kanti Prasad, Hugh Jack, Ronald E. Barr, Nikos J. Mourtos
2001  Velio Marsocci, Charles Knight, Marilyn A. Dyrud
2002  Stephanie Farrell, Paul Lam, Sudhir I. Mehta, Allen Plotkin
2005  Kanti Prasad, Sandra A. Yost, Troy F. Henson
2006  Paul Botosani, Kevin Bower, Charles McIntyre
2007  Harry Hess, Donald P. Visco, Christi L. Patton Luks, Marilyn Dyrud
2008  Susan McCahan, Kevin C. Bower, Walter W. Buchanan
2009  Robert Brooks, Paul Lam, Raju Dandu, Steve Beyerlein

ASEE FELLOW MEMBER HONOREES

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.

RAMESH AGARWAL  
William Palm Professor of Engineering Organization  
Mechanical, Aerospace & Structural Engineering Department  
Washington University  
Nominated by: Krishnaswamy Ravindra  
St. Louis University

WILLIAM OAKES  
Director of EPICS and Associate Professor  
Department of Engineering Education  
Purdue University  
Nominated by: William LeBold  
Purdue University

LIA BRILLHART  
Professor Emerita  
School of Business & Technology  
Triton College  
Nominated by: Eliot Eisenberg  
Pennsylvania State University-Hazleton Campus

PAUL PEERCY  
Dean  
College of Engineering  
University of Wisconsin, Madison  
Nominated by: David W. Wormley  
Pennsylvania State University

EUGENE DELOATCH  
Dean  
College of Engineering  
Morgan State University  
Nominated by: Wallace Fowler  
University of Texas at Austin

TERI REED-RHOADS  
Assistant Dean  
Undergraduate Education  
Kansas State University  
Nominated by: Larry Richards  
University of Virginia

DENNIS FALLON  
Dean of Engineering & Louis S. LeTellier Chair  
The Citadel  
Nominated by: Frank Croft  
Ohio State University

THOMAS ROBERTS  
Assistant Dean  
Recruitment & Leadership Development  
College of Engineering  
Kansas State University  
Nominated by: Bette Grauer  
Kansas State University

DON GIDDENS  
Dean  
College of Engineering  
Georgia Institute of Technology  
Nominated by: James McElroy  
Iowa State University (Retired)

JENNIFER SINCLAIR CURTIS  
Professor  
Department of Chemical Engineering  
University of Florida  
Nominated by: Fan Ren  
University of Florida

JOAN GOSINK  
Professor Emerita  
Division of Engineering  
Colorado School of Mines  
Nominated by: Catherine Skoljan  
Colorado School of Mines

BEVLEE WATFORD  
Associate Dean  
College of Engineering  
Virginia Tech  
Nominated by: Sheryl Soty  
Michigan Technological University

LUENY MORELL  
Program Manager, Strategy and Innovation Office  
Hewlett Packard Laboratories  
Nominated by: Patricia Pizz, Valiana  
University/Purdue University, Indianapolis

ZONE V
Robert Brooks, Paul Lam, Raju Dandu, Steve Beyerlein
The Benjamin Garver Lamme Award was established in 1928, and it recognizes excellence in teaching, contributions to research and technical literature, and achievements that advance the profession of engineering college administration. The award consists of a gold-filled medal and a framed certificate.

Benjamin Garver Lamme (1864-1924) spent most of his life working for the Westinghouse Electric Company as an inventor and a developer of electrical machinery. He pioneered the design of rotary converters, developed direct current railway motors and produced the first commercially successful induction motor. His keen interest in the training of young engineers resulted in the development of a design school at Westinghouse. A further result of his interest was the endowment of the Benjamin Garver Lamme Award, which is given to encourage good technical teaching in order to advance the engineering profession.

James Stice gave the first known college course on teaching engineering; created and administered the first engineering teaching center and subsequently the first campus-wide teaching center; introduced engineering education the concepts of learning objectives, learning styles, and new faculty orientation; and was a pioneer in technology-based instruction. In the hundreds of teaching workshops he has given on campuses across the country, he has made many thousands of engineering educators better teachers and hundreds of thousands of their students better engineers.

James Stice graduated from the University of Arkansas in 1969 with a B.S. degree, and the Illinois Institute of Technology (IIT) in Chicago in 1952 with a M.S. degree, both in chemical engineering. While completing his master’s degree, he worked for the Armour Research Foundation. Later, he worked for the Visking Corporation and the Thurston Chemical Division of W. R. Grace and Company. After deciding that teaching was his calling, he returned to IIT and obtained his Ph.D. in 1963. Stice taught chemical engineering for 43 years – at the University of Arkansas, IIT, the University of Texas, Universidad Iberoamericana in Mexico City, and the University of Wyoming. During his academic career, he also worked for six summers with chemical companies.

Stice joined the University of Texas at Austin in 1968 as Associate Professor of Chemical Engineering and Director of the Bureau of Engineering Teaching, the first such office in the country. In 1973, the Faculty Senate commissioned Stice to establish and direct the UT Center for Teaching Effectiveness, one of the country’s early all-campus centers for faculty development.

Active in ASEE, Stice served as Zone III Chair; PIC I Chair; member of the ASEE Board of Directors twice; and Vice President for Professional Interest Councils (1991-92). He was also active in the ASEE Educational Research and Methods (ERM) and Chemical Engineering (CHE) Divisions; Co-Chair of the 1980, 1981, and 1990 ASEE-IEEE Frontiers in Education conferences; and co-director of the National Effective Teaching Institutes for 19 years. He received eight outstanding professor awards (UT); the General Dynamics Award (UT); the Western Electric Award (ASEE Gulf-Southwest Section); the Chester F. Carlson Award for Innovation in Engineering Education (ASEE); the Distinguished Service Award (ERM); the Donald Marlowe Award for Administrative Leadership (ASEE); and the Lifetime Achievement Award for Pedagogical Scholarship (CHE). He is a member of the ASEE Academy of Fellows and an ASEE Life Member. Stice is a Distinguished Alumnus of the University of Arkansas and received the Professional Achievement Award from IIT. At UT, he was appointed T. Brockett Hudson Professor of Chemical Engineering (1985), Bob R. Dorsey Professor of Engineering (1989), and was the Centennial Teaching Fellow of the Friar Society (1993). He was named Professor Emeritus in 1997.

Nominated by Richard M. Felder, North Carolina State University (Emeritus)

The Frederick J. Berger Award, established in 1990 by Frederick J. Berger, recognizes and encourages excellence in engineering technology education. It is presented to both an individual and a school or department for 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 has been acclaimed 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.

Robert J. Herrick is recognized for his contributions to the advancement of engineering technology education—first as an educator and then as an administrator; and for his excellence in teaching and significant contributions to the advancement of engineering technology curricular programs.

R obert J. Herrick is Purdue University’s Robert A. Hoffer Distinguished Professor of Electrical Engineering Technology (EET). He has served as the Department Head of the Electrical and Computer Engineering Technology Department at Purdue University since 2001 and was Assistant Department Head in the 1990’s. Formerly, he served as Engineering Technology Department Chair and EET Program Leader at the University of Toledo in the 1980’s. He held the positions of Senior Member of Technical Staff at AT&T’s Bell Telephone Laboratories in the 1970’s, developing the early generations of digital electronics switching systems.

Herrick’s professional leadership roles have included National President of Tau Alpha Pi Honorary Society; Chair and Secretary of the Engineering Technology Leadership Institute; Treasurer of the ASEE Engineering Technology Division; Co-founder and current Chair of the ASEE Engineering Technology Council standing committee of the FIE Steering Committee; and Chair and Proceeding Editor of North Central and Illinois-Indiana Section conferences. He currently serves as a TAC of ABET program evaluator for IEEE and has served as an ASEE campus representative at Purdue University and the University of Toledo.

He has been recognized with national, regional, university, college, and department awards and honors for outstanding teaching and professional service, including: Purdue’s life-time Murphy Teaching Award for Outstanding Undergraduate Teaching; Inductee into Purdue University’s Book of Great Teachers (an honor reserved for only 267 faculty in the history of Purdue University at the time of his induction); Purdue Teaching Academy Fellow and Executive Board (charter member); the Ronald Schumitz Award for Outstanding Service to FIE; and Purdue University’s life-time Murphy Teaching Award.

Herrick has been an active advocate for outstanding teaching and education through his leadership in ASEE, IEEE, FIE, and Purdue University. He has received two major grants from the US Department of Education for undergraduate student semesters exchange with Ireland and Germany, and a Dual Concurrent Masters program with Ireland and Germany. He has cofacilitated the Art and Technology of Teaching workshops at invited international and national conferences and educational institutions. He authored the textbook DC/AC Circuits and Electronics: Principles and Practice that utilizes spiral learning for enhanced learning.

Herrick received his B.S. degree in electrical engineering from Michigan State University (1968), and his M.S. degree in electrical engineering from Purdue University (1969) as part of the Bell Labs fellowship program.

Nominated by Mark Pagano, Purdue University
CHESTER F. CARLSON AWARD

The Chester F. Carlson Award is presented annually to an individual innovator in engineering education who, by motivation and ability to reach beyond the accepted traditions, has made a significant contribution to the profession. The award is sponsored by the Xerox Corporation and consists of a $1,000 honorarium and a plaque.

Chester F. Carlson is noted for his invention of xerography, the process of dry copying using electrostatic charges to transfer printing halftones to paper. In 1944, he demonstrated his technique to Battelle Memorial Institute, which undertook the development of the process. Fifteen years later, the first office copier was introduced by Haloid Xerox.

PHILIP S. SCHMIDT
Professor, Department of Mechanical Engineering
University of Texas at Austin

Philip S. Schmidt is recognized for his lifetime record as an outstanding teacher and mentor to engineering students, his contributions to innovation in engineering education through development of web-based learning resources for thermodynamics and as Director of the Project-Centered Engineering Education (PROCEED) Program. His research focuses on optimization of energy efficiency in industrial processes. From 1981 to 2002 he was Head of the Process Energetics Program in the Center for Energy and Environmental Resources at UT Austin. He has written over 80 articles in the research literature and is the author or coauthor of three books and several textbook chapters. His industrial experience includes two years as an aerodynamics research engineer with Bell Helicopter Company and 1½ years as senior consultant-in-residence with the Electric Power Research Institute (EPRI). He consults regularly with corporations, national laboratories, and government organizations on matters pertaining to energy efficiency and process enhancement. His record of public service includes the Governor’s Energy Advisory Council, Chair of the Joint U.S.-Soviet Symposium on Efficient Electricity Use, the Committee on the Future of Central-Station Electric Power of the National Academy of Engineering, and the Electricity Utilization Working Group for the Office of Technology Assessment of the Congress.

Schmidt has received numerous teaching awards, both institutional and national, including the ASEE Ralph Coats Roe Award (1992) and Texas Professor of the Year from the Carnegie Foundation for the Advancement of Teaching (1994). In 1995, he was selected as one of the 10 inaugural members of the Academy of Distinguished Teachers at UT Austin. In 2009, he received the Chancellor’s Council Teaching Excellence Award and the Regents’ Outstanding Teaching Award from UT Austin and the University of Texas System, respectively.

Schmidt is active in engineering outreach programs with public schools and directs the Engineering Saturdays program at the Austin Children’s Museum.

Nominated by Joseph J. Beam, University of Texas at Austin

The John L. Imhoff Award recognizes an individual who has made outstanding contributions to the industrial engineering discipline, who exemplifies the highest standards of the professorate in industrial engineering, and has demonstrated global cooperation and understanding through leadership and other initiatives. The award consists of a $1,000 honorarium.

John L. Imhoff was an engineering educator for more than 50 years who thrived on the global impact potential of the industrial engineering discipline. 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.

JOHN L. IMHOFF AWARD

The John L. Imhoff Award has been a vocal advocate for the advancement of Industrial Engineering (IE) education both domestically and internationally for three decades. His global contributions are through his lectures, workshops, seminars, instructional consulting, and publications. He has been recognized for his international professional accomplishments. He was elected a Fellow of the Nigerian Academy of Engineering in 2005 in recognition of his contributions to engineering in Nigeria. Through his teaching, research, publications, and service activities, he has contributed to the success and development of hundreds of students.

Adejeji Badiru has been a Fellow of the Nigerian Academy of Engineering in 2005 in recognition of his contributions to engineering in Nigeria. Through his teaching, research, publications, and service activities, he has contributed to the success and development of hundreds of students.

ADEDEJI BADIRU
Professor & Head, Systems & Engineering Management Department
Air Force Institute of Technology

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Badiru has served as a consultant to organizations in various countries, including Russia, Mexico, Taiwan, Nigeria, and Ghana. He has conducted customized training workshops for numerous organizations including Sony, AT&T, Seagate Technology, U.S. Air Force, Oklahoma Gas & Electric, Oklahoma Asphalt Pavement Association, Hitachi, Nigeria National Petroleum Corporation, and ExxonMobil. He has won several awards for his teaching, research, publications, administration, and professional accomplishments. He holds a leadership position in the University of Tennessee Leadership Institute. Badiru has served as a Technical Project Reviewer, curriculum reviewer, and proposal reviewer for several organizations including The Third-World Network of Scientific Organizations, Italy, National Science Foundation, National Research Council, and the American Council on Education. He is on the editorial and review boards of several technical journals and book publishers. Badiru has also served as an industrial Development Consultant to the United Nations Development Program. He is also a Program Evaluator (PEV) for ABET (Accreditation Board for Engineering and Technology).

Nominated by Mark Goltz, Air Force Institute of Technology
The Sharon A. 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 upon an outstanding career in industry, which included serving at Digital Equipment Corporation (DEC) as head of corporate training and later as vice president for software engineering; 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.

Kauzer Jahan is a Professor of Civil and Environmental Engineering at Rowan University. He has mentored students at all levels (undergraduate and graduate) in funded research activities that have led to numerous awards at professional competitions. He has promoted the participation of students in state and national conferences to help them develop as professionals and be exposed to the practice of engineering.

Jahan received her B.S.C.E. from the Bangladesh University of Engineering and Technology, an M.S.C.E. from the University of Arkansas, Fayetteville and a Ph.D. from the University of Minnesota, Minneapolis. She also received the 2006 New Jersey ASCE Educator of the Year Award and the 2007 Gary J. Hunter Excellence in Mentoring Award. Jahan is an innovator in the area of curriculum development. This is evidenced by her high teaching scores, excellent student evaluations, teaching awards, publications on engineering education and effective teaching workshops and in multidisciplinary engineering education and has worked on a number of NSF course and curriculum projects. Her most recent NSF project, titled “Hands on an Aquarium,” is partnership with the New Jersey Academy for Aquatic Sciences and a local county college. Another project that she has established is titled “Engineers on Wheels,” in which she uses a retrofitted van to bring engineering activities to local school districts. She was instrumental in establishing the “Attracting Women into Engineering” program at Rowan University. She has led two NSF Research Experiences for Undergraduates in Pollution Prevention and Sustainability. She also established a High School Scholars Program, with a USDOT GAMTTEP grant in 2008. Jahan’s research has received about $5.4 million in funding from a number of federal and state government agencies. Her research has encompassed a wide range from studying the use of Electronic Noses for odor detection to the use of field equipment for lead measurements for bridge wastewater. Jahan has served in leadership positions in various capacities. She is 2010 President elect of the South Jersey ASCE branch and is a registered professional engineer. She is currently serving as Treasurer of the ASEE Environmental Engineering Division (EED) and has served as Program and Division Chair in the past. She is a recipient of the EED Meritorious Service Award (2007).

Nominated by Dianne Dorland, Rowan University.

Marilyn Dyrud, a full professor in the Communication Department at Oregon Institute of Technology (OIT), received her B.A. from the University of the Pacific, and M.A. and Ph.D. degrees from Purdue University. She has given more than 130 conference presentations/workshops and has published nearly 100 papers in refereed journals and conference proceedings. In addition, she is a reviewer for several professional journals and has been manuscript editor of two books: Stories from a Heated Earth: Our Geothermal Heritage, for the International Geothermal Association and the Geothermal Resources Council, and Engineering Technology: An ASEE History, for the centennial celebration. She has been caretaker of the “Engineering Technology: Education Bibliography” since 1986.

Dyrud joined ASEE in 1983 in an effort to understand what her technical writing students were talking about. In her 17 years at OIT’s campus representative, she garnered 14 awards for membership recruitment and retention, was named outstanding section representative three times and outstanding zone representative twice. She has served as chair of the Pacific Northwest Section and currently is a member of the executive committee for the Engineering Technology Division and the Engineering Ethics Division. In 2008, she was named an ASEE Fellow.

Teaching remains a priority, especially teaching a broad variety of courses. A member of a small department, she has eclectic teaching and research interests, ranging from examining the role of engineers in the Holocaust to exploring the influence of the Internet on our lives. She particularly enjoys courses that are interdisciplinary in nature, such as the civil engineering senior project, where she is responsible for technical writing, oral communication, and group dynamics. For the past decade, she has taught classes on ethics in the professions. Dyrud is also active in the Association for Business Communication (ABC) and Association for Practical and Professional Ethics (APPE). In ABC, she has been a member of the Teaching Committee since 1990, chairing the committee for the past few years. In addition, she has co-authored the “Focus on Teaching” column in the Business Communication Quarterly for many years and currently serves on the editorial boards of ABC’s two publications. She was recently elected vice-president, Western Region, and, in 2006, received ABC’s “Distinguished Member Award.” In APPE, she is a regular conference presenter and moderator of the Ethics Bowl, a pre-conference student competition.

Nominated by Lawrence Wolf, Oregon Institute of Technology.
The Meriam/Wiley Distinguished Author Award recognizes authorship of an outstanding new engineering textbook that embodies technical excellence, clarity of presentation, and strong relevance to engineering practice. Jointly endowed by Professor James L. Meriam and John Wiley & Sons, the award consists of a $2,000 honorarium, a framed certificate, and reimbursement of transportation costs to the ASEE Annual Conference.

The need to emphasize the close coupling between theory and practice in basic engineering science courses was specially recognized by Professor James L. Meriam and John Wiley & Sons in the early 1950s. The resulting texts on engineering mechanics that have been authored and published by this team have set standards of excellence in the field both nationally and internationally.

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Gerald A. Fleischer earned his B.S. degree in Industrial Engineering (1954) at St. Louis University, M.S. degree in Industrial Engineering (1959) at the University of California-Berkeley, and Ph.D. in industrial engineering and Economic Planning (1962) at Stanford University. He served on the faculty at Stanford University as acting assistant professor (1963), then joined a team from the University of Michigan serving at the Brazilian Institute of Aeronautical Technology. He served at the University of Southern California (USC) as Associate Professor (1964-71); Professor of Industrial and Systems Engineering (1971-97); Professor Emeritus (1998-); Director of the Traffic Safety Center, USC Institute of Safety and Systems Management, (1976-79); and University Marshal (1982-87). He also served on the Faculty Senate as Vice President (1985-86) and President (1986-87). He was co-founder of the Engineering Faculty Council (1992) and also served as its President (1996-97). He was Special Assistant to the Dean of the School of Engineering (2003). Fleischer was an expert in Engineering Economics for UNESCO (1969) in Caracas, Venezuela, and a Fulbright Senior Lecturer (1974) in Quito, Ecuador. He was also a Visiting Professor at the Chinese University of Hong Kong (1987 and 1994-95).


He is a member of ASEE, the Institute of Industrial Engineers (IIIE), and the Institute of Operations Research and Management Sciences (INFORMS). Within ASEE, he served as Vice Chair of the Engineering Economy Division. He also served as a director within the IE Engineering Economy Division; Vice President Region XII; member-at-large; executive committee; and Academy of Fellows. He is former Vice Chair, TIMS College on Engineering Management; Chair, Transportation Research Board Committee on Application of Economic Analysis to Transportation Problems; chair, Editorial Board, The Engineering Economist.

Fleischer is a member of Pi Mu Epsilon (Mathematics, 1954), Alpha Pi Mu (Industrial Engineering, 1959), Sigma Xi (Scientific Research, 1959), and Omega Rho (Operations Research, 1978). He was elected as a fellow of the Institute for the Advancement of Engineering (1976); and a fellow of the Institute of Industrial Engineers (1978). He is a recipient of the IIE Wellington Award (1991) as an outstanding engineering economist, and the School of Engineering Outstanding Service Award.

Nominated by James Moore, University of Southern California
David Jonassen, Demei Shan, Rose M. Marra, Young-Hoan Cho, Jenny Lo, and Vinod Lohani receive the 2010 William Elgin Wickenden Award in recognition of their paper, “Engaging and Supporting Problem Solving in Engineering Ethics,” which was published in the July 2009 JEE.

David Jonassen is Distinguished Professor of Education at the University of Missouri, where he teaches in the areas of Learning Technologies and Educational Psychology. He has published 30 books and numerous articles, papers, and reports on text design, task analysis, instructional design, computer-based learning, hypermedia, constructivist learning, cognitive tools, and problem solving. His current research focuses on the cognitive processes engaged by problem solving and models and methods for supporting those processes, including casual reasoning, analogical reasoning and argumentation during learning.

Demei Shen is a Postdoctoral Fellow at the University of Missouri-Columbia. She received her doctoral degree in information science and learning technologies from the same institution in 2008. Her research interest includes factors that influence online learning and teaching, social computing, and engineering education. Her current research focuses on online learning self-efficacy beliefs and factors that influence learning achievement of students in the engineering classroom.

Rose M. Marra holds a Ph.D. in Educational Leadership and Innovation, and an MS in computer science and worked as a software engineer for Bell Laboratories. She is currently co-director of the NSF-funded Assessing Women and Men in Engineering (AWE) and Assessing Women in Student Environments (AWISE) projects, and Co-PI of the National Girls Collaborative Project. Her research interests include STEM education with an emphasis on engineering, gender equity in STEM, the epistemological development of college students, and promoting meaningful learning in web-based environments.

Jenny Lo is an Advanced Instructor in the Department of Engineering Education at Virginia Tech. She received her doctorate in chemical engineering from Carnegie Mellon University in 1999. Her current research interests include curriculum development, engineering ethics, and academic advising for first-year engineering students.

Vinod K. Lohani is an associate professor in the Engineering Education Department and an adjunct faculty in Civil and Environmental Engineering at Virginia Tech. He received a Ph.D. in civil engineering from Virginia Tech in 1995. His research interests are in the areas of knowledge modeling, water and energy sustainability, engineering learning modules for freshmen, and international collaboration. He leads a major curriculum reform project (2004-2009), funded under the department-level reform program of the NSF, at Virginia Tech. In this project, a spiral curriculum approach is adapted to re-formulate engineering curriculum in bioprocess engineering.
ASEE ANNUAL CONFERENCE BEST PAPER AWARDS
(For papers that were presented at the 2009 ASEE Annual Conference)

This award recognizes high-quality papers that are presented at the ASEE Annual Conference. Papers awarded are from those that were presented at the Annual Conference the previous year. 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 CONFERENCE PAPER
PRESENTED TO: Angela Bielefeldt, University of Colorado, Boulder; Kurt Paterson, Michigan Technological University; Chris Swan, Tufts University

BEST PAPER, PIC I
PRESENTED TO: Dianne Pawlik, Virginia Commonwealth University; Curtis Taylor, University of Florida; Marcia Hoffman and Maria McClintock, Virginia Commonwealth University
PAPER: “Development of a Nanoscale Virtual Environment Haptic Interface for Teaching Nanotechnology to Individuals Who are Visually Impaired” Session: AC-2009-1218

BEST PAPER, PIC II
PRESENTED TO: Angela Bielefeldt, University of Colorado, Boulder; Kurt Paterson, Michigan Technological University, and Chris Swan, Tufts University

BEST PAPER, PIC III
PRESENTED TO: Erin Cech and Tom Waldzunas, University of California-San Diego
PAPER: “Engineers Who Happen to be Gay: Lesbian, Gay, and Bisexual Students’ Experiences in Engineering” Session: AC-2009-1862

BEST PAPER, PIC IV
PRESENTED TO: Donna Llewellyn, Marion Usselman, and Richard Millman, Georgia Institute of Technology
PAPER: “Designing Effective Educational Initiatives for Grant Proposals” Session: AC-2009-545

BEST PAPER, PIC V
PRESENTED TO: Eugene Rutz and Timothy Keener, University of Cincinnati
PAPER: “Master of Engineering Program as a Mechanism to Provide Relevant Graduate Education to Working Professionals” Session: AC-2009-265

BEST ZONE PAPER
PRESENTED TO: James Hanson and Patrick Brophy, Rose-Hulman Institute of Technology
PAPER: “Preliminary Results from Teaching Students How to Evaluate the Reasonableness of Results” Session: AC-2009-2540

ASEE CORPORATE MEMBER COUNCIL
CMC Excellence in Engineering Education Collaboration Awards
Society of Women Engineers (SWE) National Collegiate Team Tech Competition
The Boeing Company
Partners for the Advancement of Collaborative Engineering Education (PACE)
Siemens, PLM Software, General Motors Company, Autodesk, Hewlett Packard
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. Following are this year’s award recipients.

**Illinois/Indiana Section**  
John M. Torkelson  
Northwestern University

**Middle Atlantic Section**  
Kevin Dahm  
Rowan University

**Midwest Section**  
Julia Keen  
Kansas State University

**North Central Section**  
Richard J. Freuler  
Ohio State University

**Pacific Southwest Section**  
Trevor Harding  
California Polytechnic State University

**St. Lawrence Section**  
Greg J. Evans  
University of Toronto

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.

**Illinois/Indiana Section**  
J. Bruce Elliott-Litchfield  
University of Illinois at Urbana-Champaign

**Middle Atlantic Section**  
Sharon A. Jones  
Lafayette College

**North Midwest Section**  
Ronald A. Perez  
University of Wisconsin-Milwaukee

**Pacific Northwest Section**  
Craig Zemke  
Gonzaga University

**St. Lawrence Section**  
George H. Sutherland  
Rochester Institute of Technology

**Southeast Section**  
John Brocato  
Mississippi State University
OTHER SECTION AWARDS

GULF SOUTHWEST SECTION
OUTSTANDING SERVICE AWARD
Tariq Khrashi
University of New Mexico

ILLINOIS-INDIANA SECTION
OUTSTANDING SERVICE AWARD
Mark C. Johnson
Purdue University

OUTSTANDING PAPER AWARD
Scott Post
Bradley University
Paper: “Group Design Projects”

MIDWEST SECTION
OUTSTANDING SERVICE AWARD
Joseph Rencis
University of Arkansas

MIDDLE ATLANTIC SECTION
BEST PAPER AWARD
Sunghoon Jang, Kenneth Markowitz, and Hong Li
New York City College of Technology of CUNY

Jenn Rossmann and Karina Skvirsky
Lafayette College

PACIFIC NORTHWEST SECTION
BEST PAPER AWARD
Shane Brown
Washington State University

PACIFIC SOUTHWEST SECTION
OUTSTANDING COMMUNITY COLLEGE EDUCATOR AWARD
Kate Disney
Mission College

SOUTHEAST SECTION
BEST PAPER AWARD
Judy Schneider and Keisha Walters
Mississippi State University
Paper: “Interdisciplinary and Experiential Approach Towards the Teaching of Materials Science and Engineering”

OUTSTANDING TEACHING AWARD
Autur Kaw
University of South Florida

NEW FACULTY RESEARCH AWARD
FIRST PLACE
Holly Stretz
Tennessee Technological University

PACIFIC SOUTHWEST SECTION
OUTSTANDING COMMUNITY COLLEGE EDUCATOR AWARD
Kate Disney
Mission College

PROFESSIONAL AND TECHNICAL DIVISION AWARDS

AEROSPACE ENGINEERING DIVISION
JOHN LELAND ATWOOD AWARD
Ramesh Agarwal
Professor
Department of Mechanical & Aerospace Engineering
Washington University

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.

MECHANICAL ENGINEERING DIVISION
RALPH COATS ROE AWARD
Richard H. Crawford
Professor
Mechanical Engineering Department
University of Texas at Austin

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.

NUCLEAR ENGINEERING DIVISION
GLENN MURPHY AWARD
James Stubbins
Tenured Associate Professor of Nuclear Engineering
University of Illinois at Urbana-Champaign

This award recognizes a distinguished engineering educator for notable professional contributions to the teaching of undergraduate and/or graduate nuclear engineering. The award, consisting of an honorarium of $750 and a framed certificate, is sponsored by the Nuclear Engineering Division and honors the late Glenn Murphy’s many contributions to engineering education.
OTHER DIVISION AWARDS

BIOMEDICAL ENGINEERING DIVISION
THEO C. PILKINGTON OUTSTANDING EDUCATOR AWARD
Dan Cavanagh
Bucknell University

BIOMEDICAL ENGINEERING TEACHING AWARD
Joseph Tranquillo
Bucknell University

BEST PAPER AWARD
Alyssa Taylor, Katelyn Mason, A. Leyf Pierce Starling, Timothy Allen, and Shyan Peirce
University of Virginia

CIVIL ENGINEERING DIVISION
GERALD R. SEELEY FELLOWSHIP
Steven Hart
United States Military Academy

GEORGE K. WADLIN DISTINGUISHED SERVICE AWARD
Jeffrey S. Russell
University of Wisconsin-Madison

GLEN L. MARTIN BEST PAPER AWARD
Stephen J. Ressler, United States Military Academy; Jeffrey S. Russell, University of Wisconsin-Madison

CONTINUING PROFESSIONAL DEVELOPMENT DIVISION
CIEC BEST SESSION AWARD
Moderator: Roger Olson
Rolls-Royce Corporation

Presenters: Letha Hammon, DuPont Corporation; Ray Haynes, Da Vinci STEM Charter High School; Terri Morse, The Boeing Company

Session: “Return on Investment: The Industry Perspective”

CIEC BEST CONFERENCE PRESENTER AWARD
André DiPaolo
Stanford University

“Moving to Anywhere, Anytime Learning: Institutional Strategies for Online Engineering Education”

CIEC BEST WORKSHOP AWARD
“Effective Tools, Techniques and Technologies for Distance Classroom”

Presenter: Marie-Pierre Huguet
Rensselaer Polytechnic Institute

Moderator: Deb Manzo
North Carolina State University

CIEC BEST SESSION AWARD
“Global Perspectives on Quality Management and Operations in Continued Engineering Education”

Moderator: Edward Borbely
University of Michigan–Ann Arbor

Presenters: John Klus, University of Wisconsin-Madison; Alfredo Soeiro, University of Oporto, Portugal

CONTINUING PROFESSIONAL DEVELOPMENT DIVISION
COOPERATIVE AND EXPERIENTIAL EDUCATION DIVISION
ALVAK K. BORMAN AWARD
Harold Simmons
Georgia Institute of Technology

LOU TAKACS AWARD
Candee Chambers
American Electric Power

STUDENT OF THE YEAR FOR 2009
Anthony Schwartz
Georgia Institute of Technology

BEST WORKSHOP

Moderator: Gayle Elliott
University of Cincinnati

CERTIFICATE OF APPRECIATION
Paul Jewell
Iowa State University
2010 CIEC-CPDD Program Chair

Keith Piemmons
The Citadel
2009 ASEE Annual Conference-CPDD Program Chair

Lynda Coulson
Rolls-Royce Corporation
2007-10 CPDD Board Director

Paul Jewell
Iowa State University
2007-2010 CPDD Board Director

CERTIFICATE OF MERIT
FOR OUTSTANDING WORK ON THE DAETE PROJECT
Alfredo Soeiro, University of Porto, Patricio Montesinos-UPV (Valencia); John Klus, University of Wisconsin; Markku Markkula, Helsinki University of Technology; Mervyn Jones, Imperial College London; Carlos Ripoll Soller, UPV (Valencia); Nelson Baker, Georgia Institute of Technology; Kim Scalzo, State University of New York; Edward Borbely, University of Michigan–Ann Arbor

EDUCATIONAL RESEARCH & METHODS DIVISION
DISTINGUISHED SERVICE AWARD
Richard Felder
North Carolina State University (Emeritus)

RONALD J. SCHMITZ AWARD FOR OUTSTANDING CONTRIBUTIONS TO THE FRONTIERS IN EDUCATION CONFERENCE
Russ Meier
Milwaukee School of Engineering

BENJAMIN DASHER AWARD
Glenda Stump, Jenifer Husman, Wen-Ting Chung, and Aaron Done
Arizona State University

Paper: “Student Beliefs about Intelligence: Relationship to Learning”

HELEN PLANTS AWARD
Russell Korte, University of Illinois at Urbana-Champaign; Karl Smith
Purdue University/University of Minnesota

Paper: “T4B - Developing Engineering Student’s Philosophical Inquiry Skills”

OTHER DIVISION AWARDS

OTHER DIVISION AWARDS
BEST PAPER AWARD
Lisa Lattuca, Pennsylvania State University–Main Campus; David Knight, Pennsylvania State University–University Park

Paper: “In the Eye of the Beholder: Defining and Studying Interdisciplinarity in Engineering Education”

BEST PAPER AWARD
Lisa Lattuca, Pennsylvania State University–Main Campus; David Knight, Pennsylvania State University–University Park

Paper: “In the Eye of the Beholder: Defining and Studying Interdisciplinarity in Engineering Education”

ELECTRICAL AND COMPUTER ENGINEERING DIVISION

MERITORIOUS SERVICE AWARD
David Kerns, Olin University
Victor Nelson, Auburn University

DISTINGUISHED EDUCATOR AWARD
Edward A. Lee
University of California–Berkeley

ENERGY CONVERSION AND CONSERVATION DIVISION

BEST PAPER AWARD
Robert Fletcher
Lawrence Technological University

Paper: “Using an Alternative Energy Summer Camp for High School Students as a University Outreach Program for the Recruitment of Future Engineering Students: A Two Year Study”

SECOND PLACE
David Blekhman, California State University, Los Angeles; Eileen Cashman, Humboldt State University; Richard Engel, Schatz Energy Research Center; Jason Keith, Michigan Technological University; Peter Lehman, Humboldt State University; Michael Mann and Hossein Salehfar, University of North Dakota; Ahmad Sleiti, University of Central Florida


ENGINEERING DESIGN GRAPHICS DIVISION

DISTINGUISHED SERVICE AWARD
William Ross
Purdue University

OPPENHEIMER AWARD
Richard Williams and Jason Yao
East Carolina University

CHAIR’S AWARD
Marie Planchard, SolidWorks Corporation; Nick Bertozzi, Daniel Webster College; Jennifer McDonald, Daniel Webster College; Alexandra Sobin, Daniel Webster College

ENGINEERING ECONOMY DIVISION

EUGENE L. GRANT AWARD
Paul R. Gradi, NASA; Alisha D. Youngblood, Southeast Missouri State University; Paul J. Componation and Sampson E. Ghoshlan, University of Alabama-Huntsville


BEST PAPER AWARD
Ted Eschenbach
University of Alaska, Anchorage

Paper: “Why Engineering Economy Professors Should Teach Introductory Corporate Finance”

ENGINEERING LIBRARIES DIVISION

BEST POSTER AWARD
Robert Heyer-Gray, Karen Andrews
University of California-Davis
Jean McKenzie, Lisa Ngo
University of California-Berkeley
Emily Stambaugh
California Digital Library

Poster: “Assembling a ‘Best Copy’ Archival Journal Collection: A Case Study of the University of California IEEE Project”

HOMER I. BERNHARDT DISTINGUISHED SERVICE AWARD
Jay Bhatt
Drexel University

BEST PUBLICATION AWARD
Meghan Lafferty
University of Minnesota


ENGINEERING TECHNOLOGY DIVISION

BERNARD R. SARCHET AWARD
Susan Murray
Missouri University of Science & Technology

BEST PAPER AWARD
Suzanna Long
Missouri University of Science & Technology
Hector Carlo
University of Puerto Rico at Mayaguez
Jane Fraser
Colorado State University at Pueblo
Abhijit Gosavi
Missouri University of Science & Technology
Scott Grasman
Missouri University of Science & Technology

BEST PRESENTATION AWARD
Susan Murray
Missouri University of Science & Technology

ENVIRONMENTAL ENGINEERING DIVISION

BEST PAPER AWARD
Kristen Sanford Bernhardt, Sharon Jones, Christopher Ruebeck, Lafayette College; Jacqueline Isaacs, Northeastern University

EARLY CAREER GRANT
Nicole Berge
University of South Carolina

“Engaging Students in Critical Thinking: An Environmental Engineering EFFECT”

INDUSTRIAL ENGINEERING DIVISION

LIFETIME ACHIEVEMENT AWARD
Jane Fraser
Colorado State University-Pueblo
INTERNATIONAL DIVISION

GLOBAL ENGINEERING AND TECHNOLOGY AWARD
Linda Phillips
University of South Florida

SERVICE AWARD
Nick Safai
Salt Lake Community College

BEST PAPER AWARD
Kevin McGarvey, Michael Panko, Beena Sukumar, Michael Kerbaugh, Gabriel Poslusny, and Anthony Cavalier
Rowan University


K-12 DIVISION BEST PAPER AWARD
Christine Schnittka
University of Kentucky
Michael Evans, Brett Jones, and Carol Brandt
Virginia Tech

Paper: “Studio STEM: Networked Engineering Projects in Energy for Middle School Girls and Boys”

LIBERAL EDUCATION DIVISION

THE STERLING OLMSTEAD AWARD
Julia Williams
Rose-Hulman Institute of Technology

MATHEMATICS DIVISION

DISTINGUISHED EDUCATOR AND SERVICE AWARD
Andrew Grossfield
Vaughn College of Aeronautics & Technology

MECHANICAL ENGINEERING DIVISION

BEST PAPER AWARD
Matthew Green
LeTourneau University
Carolyn Conner Seepersad
University of Texas at Austin
Katja Holttta-Otto
University of Massachusetts-Dartmouth


BEST PAPER AWARD—HONORABLE MENTION
Debra Mascaro, Stacy Bamberg, and Robert Roemer
University of Utah

Paper: “Integration and Reinforcement of Mechanical Engineering Skills Beginning in the First-Year Design Experience”

Goodarz Ahmadi
Clarkson University

Paper: “Course Development Experience on Particle Transport, Deposition, and Removal and Engineering of Nano/Micro-Scale Systems”

Rajesh Bhaskaran
Cornell University

Paper: “SIMCAFE: A Wiki-Based Repository of Learning Modules for Deploying Simulation Technology in Mechanical Engineering Education”

David Willis, Paul Krueger, Alice Kendrick
Southern Methodist University

Paper: “Perceptions, Expectations and Outcomes of the Third Year Research Experiences for Undergraduates Program”

BEST POSTER AWARD
Enrique Barbieri, Raresh Pascali, Miguel Ramos, and William Fitzgibbon
University of Houston

“A Two-Year Common Template for Mechanical Engineering and Mechanical Engineering Technology”

MECHANICS DIVISION

ARCHIE HIGDON DISTINGUISHED EDUCATOR AWARD
James R. Barber
University of Michigan

FERDINAND P. BEER AND E. RUSSELL JOHNSTON, JR. OUTSTANDING NEW MECHANICS EDUCATOR AWARD
Prashant K. Purohit
University of Pennsylvania
Major Nicholas O. Melin
United States Military Academy

WOMEN IN ENGINEERING DIVISION

DENCIE D. DENTON BEST PAPER AWARD
Rachelle Reisberg
Northeastern University

Margaret Bailey
Rochester Institute of Technology

Carol Burger
Virginia Tech

Jerry Hamann
University of Wyoming

Joe Raelin
Northeastern University

David Whitman
University of Wyoming

Paper: “The Effect of Gender on Support and Self-Efficacy in Undergraduate Engineering Programs”
FELLOWSHIP HONOREES


BENJAMIN GARVER LAMME AWARD


FREDERICK J. BERGER AWARD


CHESTER F. CARLSON AWARD


DUPONT MINORITIES IN ENGINEERING AWARD


CLEMENT J. FREUND AWARD (presented biennially beginning in 1995)


JOHN L. IMHOFF AWARD (first presented in 2006)


SHARON A. KEILLOR AWARD (first presented in 2001)


MERIAM/WILEY DISTINGUISHED AUTHOR AWARD (presented biennially beginning in 1993)


JAMES H. MCGRAW AWARD


FRED MERRYFIELD DESIGN AWARD


NATIONAL OUTSTANDING TEACHING AWARD (first presented in 2004)


ROBERT G. QUINN AWARD (first presented in 2001)


WILLIAM ELGIN WICKENDEN AWARD