

AWARD SELECTION COMMITTEE CHAIRS

Frontiers in Education Conference

Benjamin J. Dasher Best Paper Award	Lynne Slivovsky
Helen Plants Award	Shane Brown
Ronald J. Schmitz Award	Russ Meier

ASEE Educational Research and Methods Division

Distinguished Service Award	Matthew W. Ohland
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ASEE Electrical and Computer Engineering Division

Hewlett-Packard Frederick Emmons Terman Award	David Tse
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IEEE Education Society

Achievement Award	Lyle D. Feisel
Best <i>Transactions on Education</i> Paper Award	Charles Fledderman
Distinguished Member Award	Burks Oakley
Edwin C. Jones, Jr. Meritorious Service Award	Edwin C. Jones, Jr.
Chapter Achievement Award	Trond Clausen
Distinguished Chapter Leadership Award	Manuel Castro
Student Leadership Award	Trond Clausen
Mac Van Valkenburg Early Career Teaching Award	S. Hossein Mousavinezhad
Hewlett-Packard/Harriet B. Rigas Award	Patricia D. Daniels



**Bhaskar
Krishnamachari**

Past Recipients

- '69 Michael Athans
- '70 Andrew P. Sage
- '71 Joseph W. Goodman
- '72 Taylor L. Booth
- '73 Sanjit Mitra
- '74 Leon Ong Chua
- '75 Michael L. Dertouzos
- '76 Stephen W. Director
- '77 J. Leon Shohet
- '78 Ronald A. Rohrer
- '79 Martha E. Sloan
- '80 V. Thomas Rhyne
- '81 Ben Garland Streetman
- '82 Toby Berger
- '83 Daniel P. Siewiorek
- '84 Mathukumalli Vidyasagar
- '85 Peter S. Maybeck
- '86 Lance A. Glasser
- '87 Kenneth L. Short
- '88 Adel S. Sedra
- '89 Frank L. Lewis
- '90 Jerry D. Gibson
- '91 Barry W. Johnson
- '92 H. Vincent Poor
- '93 Mark S. Lundstrom
- '94 Supriyo Datta
- '95 Perinkolam P. Vaidyanathan
- '96 Prithviraj Banerjee
- '97 Edward A. Lee
- '98 Edwin K. P. Chong
- '99 Randy H. Katz
- '00 Sergio Verdu
- '01 Zoya Popovic
- '02 Theodore S. Rappaport
- '03 Wayne Wolf
- '04 Keshab K. Parhi

**ASEE ECE Division Hewlett-Packard
Frederick Emmons Terman Award**

Presented by Robert Bouzon

***For an outstanding young electrical engineering educator in
recognition of his contribution to the profession***

Bhaskar Krishnamachari is Associate Professor and Ming Hsieh Faculty Fellow in Electrical Engineering at the Viterbi School of Engineering at the University of Southern California. He has been a faculty member in the Department of Electrical Engineering since 2002, with a joint appointment in the Department of Computer Science at USC. He directs the Autonomous Networks Research Group at USC. Dr. Krishnamachari's research interests are focused on performance analysis and design of algorithms for information routing and self-configuration in large-scale wireless sensor networks. Sensor networks are large-scale unattended networked embedded systems, with applications ranging from environmental sensing, structural monitoring, and industrial process control, to emergency response and mobile target tracking.

Dr. Krishnamachari received the USC Viterbi School of Engineering Junior Faculty Research Award in 2005 and the prestigious National Science Foundation CAREER award in 2004. He is actively involved in the sensor networks community, serving as TPC member and organizer for several research conferences. He is an editor for the Elsevier Journal of Ad Hoc Networks, the ACM Mobile Computing and Communications Review, and the EURASIP Journal of Wireless Communications and Networking. Dr. Krishnamachari has authored a textbook titled *Networking Wireless Sensors*, recently published by Cambridge University Press.

Dr. Krishnamachari obtained his B.E. in Electrical Engineering at The Cooper Union for the Advancement of Science and Art, in New York City in 1998. He was a co-recipient of the first prize at the 1998 IEEE Region I annual student paper contest, for a paper based on his senior project: Design of Ultra High Speed Microwave Digital Logic Gates. He pursued his graduate studies at Cornell University, where he completed his M.S. in Electrical Engineering with a thesis titled Global Optimization in the Design of Mobile Communication Systems in 1999. In May 2002, he defended his Ph.D. thesis dissertation at Cornell University on Phase Transitions, Structure, and Complexity in Wireless Networks.

Dr. Krishnamachari is a member of the IEEE and ACM and the honor societies Tau Beta Pi and Eta Kappa Nu.

- '05 Ali H. Sayed
- '06 Vijay K. Madisetti
- '07 Russel Jacob (Jake) Baker
- '08 Keith M. Chugg
- '09 David Tse

ASEE ECE Division Hewlett-Packard Frederick Emmons Terman Award (continued)

About the Terman Award

The Frederick Emmons Terman Award is presented annually to an outstanding young electrical engineering educator by the Electrical and Computer Engineering Division of the American Society for Engineering Education. The Terman Award, established in 1969 by the Hewlett-Packard Company, consists of \$5,000, an engraved gold-plated medal, a bronze replica of the medal mounted on a walnut plaque, and a parchment certificate.

The recipient must be an electrical engineering educator who is less than 45 years old on June 1 of the year in which the award is presented and must be the principal author of an electrical engineering textbook published before June 1 of the year of his/her 40th birthday. The book must have been judged by his/her peers to be an outstanding original contribution to the field of electrical engineering. The recipient must also have displayed outstanding achievements in teaching, research, guidance of students, and other related activities.



About Frederick Emmons Terman

Frederick Emmons Terman received his A.B. degree in chemistry in 1920, the degree of engineer in electrical engineering in 1922 from Stanford University, and his Sc.D. degree in electrical engineering in 1924 from Massachusetts Institute of Technology. From 1925-1965, he served as instructor, then professor of electrical engineering, executive head of the Electrical Engineering Department, dean of the School of Engineering, provost, vice president, and finally, as acting president of Stanford University.

Among the many honors bestowed upon him were: the IEEE Medal of Honor; the first IEEE Education Medal; the ASEE's Lamme Medal; the 1970 Herbert Hoover Medal for Distinguished Service to Stanford University; an honorary doctor's degree by Harvard; a decoration by the British government; the Presidential Medal for merit as a result of his war work; and the 1976 National Medal of Science from President Ford at a White House ceremony.

Dr. Terman was a professor at Stanford University when William Hewlett and Dave Packard were engineering students there. It was under Dr. Terman's guidance in graduate work on radio engineering that Mr. Hewlett built the first tunable and automatically stabilized Weinbridge oscillator. Partially through Dr. Terman's urging, Hewlett and Packard set up their partnership in an old garage with \$538 and the oscillator as their principal assets.

Dr. Terman died in December 1982. It is in appreciation of his accomplishments and guidance that Hewlett-Packard is proud to sponsor the Frederick Emmons Terman Award.



Mari Ostendorf

Past Recipients

- '95 Denice D. Denton
- '96 Karan L. Watson
- '97 Patricia D. Daniels
- '98 Delores M. Etter
- '99 Sherra E. Kerns
- '00 Leah Jamieson
- '01 Valerie Taylor
- '02 Nan Marie Jokers
- '03 Joanne Bechta Dugan
- '04 Jennifer L. Welch
- '06 Eve A. Riskin
- '07 Bonnie Heck Ferri
- '08 Cheryl B. Schrader
- '09 Cynthia Furse

**IEEE Education Society Hewlett-Packard
Harriet B. Rigas Award**

Presented by Robert Bouzon

Outstanding woman engineering educator in recognition of her contributions to the profession

For excellence in signal processing education, success in recruiting and mentoring students from underrepresented groups, and leadership in applying statistical signal processing to problems in spoken language processing

Mari Ostendorf received the B.S., M. S. and Ph.D. in electrical engineering from Stanford University. Dr. Ostendorf joined the Speech Signal Processing Group at BBN Laboratories in 1985, where she worked on low-rate coding and acoustic modeling for continuous speech recognition. Two years later, she moved to Boston University in the Department of Electrical and Computer Engineering, where she her research expanded to include language modeling, prosody modeling, and speech synthesis. She joined the University of Washington in 1999, where she is broadly interested in spoken language technology. She teaches courses in statistical language processing and undergraduate signal processing, and has recently introduced a class on the Digital World of Multimedia, introducing new undergraduates to signal processing and communications. Her current research efforts are centered on rich speech transcription, particularly for purposes of automatic language processing on speech, with more fundamental interests in learning methods for language technology. She has published over 150 papers on various problems in speech and language processing. Dr. Ostendorf has served on the Speech Processing and the DSP Education Committees of the IEEE Signal Processing Society and numerous workshop committees.



Glenda Stump



Jenefer Husman



Wen-Ting Chung

Frontiers in Education Conference Benjamin J. Dasher Best Paper Award

Presented by Lynne Slivovsky

“Student Beliefs About Intelligence: Relationship to Learning”
FIE 2009, Session T4F

Glenda Stump earned a Ph.D. in Educational Psychology and a certificate in Educational Technology in May of 2010 from Arizona State University. In work related to the Dasher Award paper, she collected and analyzed data as the Project Leader and Research Assistant for ‘Connecting with the Future,’ a National Science Foundation CAREER Grant project directed by Dr. Jenefer Husman. As a Post-doctoral researcher, Dr. Stump helped to develop the protocol and materials to measure learning from in-class activities designed to elicit different levels of cognitive engagement in materials science engineering students. She is currently working on a project to develop an assessment tool that will measure students' understanding of emergent processes. Dr. Stump's research interests also include examination of the influence of classroom variables such as teacher directedness and student collaboration on post-secondary students' motivation, learning strategies, and achievement.

Jenefer Husman received a doctoral degree in Educational Psychology from the University of Texas at Austin, in 1998. She served as an Assistant Professor at the University of Alabama from 1998 to 2002, when she moved to Arizona State University. In 2008 she was promoted by ASU to Associate Professor. In 2006 she was awarded the U.S. National Science Foundation CAREER grant award and received the Presidential Early Career Award for Scientists and Engineers from the President of the United States. She has conducted and advised on educational research projects and grants in both the public and private sectors, and served as an external reviewer for doctoral dissertations outside the U.S. She publishes regularly in peer-reviewed journals and books, and has held both elected and appointed offices in the American Psychological Association (APA) and the European Association for Research on Learning and Instruction.

Wen-Ting Chung is a Doctoral Student in Educational Psychology with a specialization in learning at Arizona State University in Tempe, Arizona. Ms. Chung is also a Research Assistant for the ‘Connecting with the Future’ CAREER Grant at Arizona State. Her research interests include teacher motivation in educational reform and students' motivation and learning.



Aaron Done

Frontiers in Education Conference Benjamin J. Dasher Best Paper Award (continued)

Aaron Done is a senior in the College of Liberal Arts and Sciences at Arizona State University. He is majoring in Kinesiology with an emphasis in human physiology and also majoring in cognitive psychology. Following graduation he intends to pursue a PhD in exercise physiology. Being an avid endurance runner has led to his interest in the motivating factors and the physiological limitations of ultra-endurance athletes.

Past Recipients

- '73 Walter D. Story
- '74 Richard Hooper
- '75 John J. Alan III and J.J. Lagowski
- '76 John Hipwell and David Blaume
- '77 John W. Renner
- '78 Albert J. Morris
- '79 Donald R. Woods, Cameron M. Crowe, Terrence W. Hoffman, and Joseph D. Wright
- '80 Marilla D. Svinicki
- '81 Martha Montgomery
- '82 A.L. Riemenschneider and Lyle D. Feisel
- '83 Davood Tashayyod, Banu Onaral, and James M. Trosino
- '84 Bill V. Koen
- '85 Bill V. Koen
- '86 Richard S. Culver
- '87 David A. Conner, David G. Green, Thomas C. Jannett, James R. Jones, M.G. Rekoff, Jr., Dennis G. Smith, and Gregg L. Vaughn
- '88 Richard M. Felder
- '89 Richard C. Compton and Robert York
- '90 Cindy A. Greenwood
- '91 Robert Whelchel
- '92 William LeBold and Dan D. Budny
- '93 Daniel M Hull and Arthur H. Guenther
- '94 Burks Oakley II and Roy E. Roper
- '95 Curtis A. Carver, Jr. and Richard A. Howard
- '96 Val D. Hawks
- '97 Edwin Kashy, Michael Thoennessen, Yihjia Tsai, Nancy E. Davis, and Sheryl L. Wolfe
- '98 A.B. Carlson, W.C. Jennings, and P.M. Schoch
- '99 Wayne Burleson, Aura Ganz, and Ian Harris
- '00 David W. Petr
- '02 Zeynep Dilli, Neil Goldsman, Lee Harper, Steven I. Marcus, and Janet A. Schmidt
- '03 Glenn W. Ellis, Gail E. Scordilis, and Carla M. Cook
- '04 Matthew W. Ohland, Guili Zhang, Brian Thorndyke, and Timothy J. Anderson
- '05 Gregory A. Moses and Michael Litzkow
- '07 Donna Riley and Gina-Louise Sciarra
- '08 Eric Hamilton and Andrew Hurford
- '09 Steve Krause, Robert Culbertson, Michael Oehrtman, Marilyn Carlson, Bill Leonard, C.V. Hollot, and William Gerace



Russell Korte



Karl Smith

Past Recipients

'80 Helen Plants
'81 Jim Russell and John C. Lindenlaub
'82 Karl A. Smith and Harold Goldstein
'83 E. Dendy Sloan and Charles F. Yokomoto
'84 David W. Johnson and Karl A. Smith
'85 Billy V. Koen
'86 Martha A. Nord and Patricia H. Whiting
'87 John C. Lindenlaub
'89 Karl A. Smith
'91 Troy E. Kostek
'92 Barbara M. Olds and Ronald L. Miller
'93 John C. Lindenlaub and Alisha A. Waller
'94 Billy V. Koen
'95 Burks Oakley II and Mark A. Yoder
'96 Alisha A. Waller, Edward R. Doering, and Mark A. Yoder

Frontiers in Education Conference Helen Plants Award Best Nontraditional Session at FIE 2009

Presented by Cordelia Brown

“Developing Engineering Student’s Philosophical Inquiry Skills” **Session T4B**

Russell Korte is an Assistant Professor in Human Resource Education, College of Education at the University of Illinois at Urbana-Champaign. He has been a co-investigator for the Collaborative Research Lab at Stanford University, a research assistant for the Center for the Advancement of Engineering Education, and is currently a Fellow with the Illinois Foundry for Innovation in Engineering Education project in the College of Engineering at the University of Illinois at Urbana-Champaign. His research investigates how engineering students navigate their education and how engineering graduates transition into the workplace—specifically studying how they learn the social norms of organizations and navigate the social and political systems in the workplace. Research interests include philosophy, learning and performance, socialization, adult education, social theory, and organization studies.

Karl A. Smith is Cooperative Learning Professor of Engineering Education, School of Engineering Education, at Purdue University West Lafayette. He has been at the University of Minnesota since 1972 and is in phased retirement as Morse-Alumni Distinguished Professor of Civil Engineering. He has been actively involved in engineering education research and practice for over thirty years. He is a Fellow of the American Society for Engineering Education and past Chair of the Educational Research and Methods Division. Karl has worked with thousands of faculty all over the world on pedagogies of engagement, especially cooperative learning, problem-based learning, and constructive controversy. He has co-written eight books including *How to Model It: Problem Solving for the Computer Age*, *Active Learning: Cooperation in the College Classroom*, 3rd Ed., *Cooperative learning: Increasing college faculty instructional productivity; Strategies for energizing large classes: From small groups to learning communities*; and *Teamwork and project management*, 3rd Ed.

'97 Karl A. Smith, James D. Jones and Elizabeth Eschenbach
'98 Alice Agogino
'99 Melinda Piket-May and Julie L. Chang
'03 William C. Oakes
'04 Susan M. Lord, Elizabeth A. Eschenbach, Alisha A. Waller, Eileen M. Cashman, and Monica J. Bruning
'05 Ruth A. Streveler
'06 Ruth A. Streveler, Karl A. Smith, and Ronald L. Miller
'08 Maura Borrego, Lynita Newswander, and Lisa McNair
'09 Lisa C. Benson, Sherrill B. Biggers, William F. Moss, Matthew Ohland, Marisa K. Orr, and Scott D. Schiff



Dan Moore

Past Recipients

- '84 Carol Schmitz
- '85 Lawrence P. Grayson
- '86 John C. Lindenlaub
- '87 George Burnett
- '88 James R. Rowland
- '89 Lyle D. Feisel
- '90 Edwin C. Jones, Jr.
- '92 Karl A. Smith
- '92 Victor K. Schutz
- '93 Bruce A. Einstein
- '94 David V. Kerns, Jr.
- '95 David R. Voltmer
- '96 William E. Sayle II
- '97 Richard S. Culver
- '98 Dan Budny
- '99 Robert J. Herrick
- '00 Larry J. Shuman
- '01 David L. Soldan
- '02 Goranka Bjedov
- '03 Larry G. Richards
- '04 James A. Roberts
- '05 Robert J. Hofinger
- '06 Jane Chu Prey
- '07 Joseph L. A. Hughes
- '08 Ted E. Batchman
- '09 Russ Meier

Frontiers in Education Conference

Ronald J. Schmitz Award

Presented by Russ Meier

For outstanding service to the Frontiers in Education Conference

Dan Moore received his B.S. and M.S. degrees in Electrical Engineering from N.C. State University in 1975 and 1976 respectively. He then worked in the chemical industry with for E. I. DuPont for returning to obtaining his PhD from N.C. State University in 1989. He has taught at N.C. State University, Virginia Tech, and, for the past 15 years, at Rose-Hulman. His teaching and research interest are in the areas of engineering design, especially in terms of design processes and design pedagogies. He has been very active in developing partnerships with a number of international technological universities with a focus on inter-institution and interdisciplinary undergraduate design projects. He currently directs several international project teams with team membership spanning up to 13 time zones. He continues to teach undergraduate course while serving as the Associate Dean of the Faculty and director of the Graduate Studies program and the Center for Technological research with Industry.

He has received various Outstanding Teaching Awards and Recognitions with the most recent, and cherished, being selected as the 2009 Faculty Honorary Alumni as nominated by and selected by the Rose-Hulman alumni. He received the ASEE ERM Division Distinguished Service Award in 2002.

He has been active in FIE serving as program co-chair for FIE 1998, 2001, and 2004, as special sessions chair for FIE 2009, and as an ERM representative on the FIE steering committee 2004 – 2010 serving as chair for the past for the past two years. He served as ERM division chair 2001 - 2003

He is an active member of IEEE and ASEE and serves as an associate editor for *Advances in Engineering Education* (AEE), the ASEE on-line journal, and as an ABET program evaluator of IEEE. He is a member of Eta Kappa Nu and Tau Beta Pi and serves as on advisor for the Rose-Hulman chapter of Tau Beta Pi. He also is chair of the advisory board for the local chapter of Alpha Phi Omega National Service Fraternity.



Cynthia J. Finelli

Past Recipients

- '95 Wallace S. Venable
- '96 James E. Stice
- '98 Billy V. Koen and
Alisha A. Waller
- '99 John C. Lindenlaub
- '00 Richard S. Culver
- '01 Charles F. Yokomoto
- '02 Karl A. Smith
- '03 Michael J. Pavelich
- '04 Larry G. Richards
- '05 Daniel D. Budny
- '06 Eric P. Soulsby
- '07 Daniel J. Moore
- '08 Teri Reed-Rhoads
- '09 Richard M. Felder

**ASEE ERM Division
Distinguished Service Award**
Presented by Matthew W. Ohland

For contributions to the education of future engineers and their educators, through outstanding service to the ASEE Educational Research and Methods Division

Dr. Cynthia Finelli is Director of the Center for Research and Learning North and associate research scientist in the College of Engineering at the University of Michigan. She earned B.S.E.E., M.S.E.E., and Ph.D. degrees from the University of Michigan (U-M) in 1988, 1989, and 1993, respectively. Prior to joining U-M in April 2003, she was the Richard L. Terrell Professor of Excellence in Teaching, founding director of the Center for Excellence in Teaching and Learning, and associate professor of electrical engineering at Kettering University. In her role at U-M, she promotes a culture of teaching and learning in the college of engineering by consulting with faculty and administrators on proposal preparation (especially NSF CAREER proposals) and on issues related to teaching and learning, providing classroom interventions to help instructors improve their teaching skills, offering workshops and seminars on teaching and learning, and serving on college and university committees.

Dr. Finelli also engages in several research projects, including work to evaluate methods to improve teaching, study faculty motivation to change classroom practices, and explore ethical decision-making in engineering students. She has a long history of involvement with the Educational Research and Methods Division – she has served as liaison for the New Engineering Educators Division (1991-2001), Director, (2000-2002), Program Chair for 2003 Frontiers in Education Conference, Program Chair for the 2006 ASEE Annual Conference & Exposition, and Chair of the Division (2007-2009). She currently serves a three-year term as member of the FIE Steering Committee and is co-editor for a special issue of the International Journal of Engineering Education on applications of engineering education research.



Robert A. Reilly

Past Recipients

- '79 Lawrence P. Grayson
- '80 Demetrius T. Paris
- '81 Lindon E. Saline
- '82 Anthony B. Giordana
- '83 Joseph Bordogna
- '84 John C. Lindenlaub
- '85 John D. Ryder
- '86 James R. Rowland
- '87 Bruce Eisenstein
- '88 Mac Van Valkenburg
- '89 Edward W. Ernst
- '90 Ernst Weber
- '91 J. David Irwin
- '92 Jerrier A. Haddad
- '93 Chalmers F. Sechrist
- '94 Eric A. Walker
- '95 Stephen W. Director
- '96 William H. Hayt, Jr.
- '97 Jerry R. Yeargan
- '98 Ted E. Batchman
- '99 Lyle D. Feisel
- '00 Irene C. Peden
- '01 Donald E. Kirk and
Eli Fromm
- '02 Burks Oakley II
- '03 Frank Barnes and
Delores Etter
- '04 William E. Sayle II
- '05 H. Vincent Poor
- '06 George D. Peterson
- '07 Sarah A. Rajala and
Marwan A. Simaan
- '08 James A. Roberts
- '09 Jose B. Cruz, Jr.

IEEE Education Society Achievement Award

Presented by Susan M. Lord

For pioneering development in the theory and practice of educational pedagogy

Dr. Rob Reilly received a Doctoral degree and Bachelor's degree from the University of Massachusetts at Amherst (USA), as well as a Master's degree from Springfield College (Massachusetts USA).

He has been a computer science teacher at various institutions for over 25 years. Highlights of his career include serving: in the Office of Information Technologies at the University of Massachusetts at Amherst, where his research dealt with the formulation of university wide policy for the integration and application of educational technology; as a researcher at the Institute of Intelligent Systems at the University of Memphis (Tennessee USA); and as a researcher in the Media Lab at the Massachusetts Institute of Technology (MIT).

Dr. Reilly's work challenges currently accepted learning pedagogy for delivering knowledge from a model-based domain. This work began when he postulated the idea that teachers do not need to wait for a 'teachable moment' to occur; he postulated the idea that the 'teachable moment' can be invoked; can be manipulated by the teacher and the student for the benefit of the learner; and, must be more critically understood, which would enable a deeper understanding of how humans learn.

In the IEEE Education Society, Dr. Reilly serves as the Society Secretary; he is also the Chair of the Chapters Committee, the Editor of *News&Notes*, the Society's newsletter; the Editor of *The Interface*, a publication of the Education Society and the ASEE's ECE Division. He has been the Guest Editor of two recent issues of the *IEEE Transactions on Education*.

Dr. Reilly has also received the IEEE-MGA's Leadership Award, the IEEE's Larry K. Wilson Transnational Award, the IEEE Education Society's Edwin Jones Jr. Meritorious Service Award, the IEEE Computer Society's Contributions in a Pre-University Environment Award, and the Massachusetts Department of Education's Technology Pathfinder Award.



Keith E. Holbert



George G. Karady

Past Recipients

- '99 J.A. Buck, H. Owen, J.P. Uyemura, C.M. Verber, and D.J. Blumenthal
- '00 David J. Russomanno and Ronald D. Bonnell
- '01 Christopher W. Trueman
- '02 Mohan Krishnan and Mark J. Paulik
- '03 Tyson S. Hall, James O. Hamblen, and Kimberly E. Newman
- '04 M. Brian Blake
- '04 Russell L. Pimmel
- '05 Antonio J. Lopez-Martin
- '06 Euan Lindsay and Malcolm C. Good
- '07 Jason A. Day and James D. Foley
- '08 France Bélanger, Tracy L. Lewis, George M. Kasper, Wanda J. Smith and K. Vernard Harrington
- '09 Kenneth Ricks, Jeff Jackson, and William A. Stapleton

IEEE Education Society Best *Transactions on Education* Paper Award

Presented by Susan M. Lord

"Strategies, Challenges and Prospects for Active Learning in the Computer-Based Classroom" IEEE Transactions on Education, Volume 52, Number 1, February 2009, pp. 31-38

Keith Holbert is presently an Associate Professor in the School of Electrical, Computer and Energy Engineering of Arizona State University. He earned his Ph.D. in nuclear engineering from University of Tennessee in 1989. His research expertise is in the area of instrumentation and system diagnostics. Dr. Holbert is a registered professional (nuclear) engineer. Keith is Senior Member of IEEE and a member of ASEE. He has published more than 100 journal and conference papers. Keith is the Director of the Nuclear Power Generation Program at ASU.

George G. Karady (IEEE SM'70, F'78, LF'98) received his MSE and Doctor of Engineering degree in electrical engineering from Technical University of Budapest. Dr. Karady is Power System Chair Professor at Arizona State University, where he teaches electrical power and performs research in power electronics, high voltage techniques and electric power systems. Previously, he was with EBASCO Services where he served as Chief Consulting Electrical Engineer, Manager of Electrical Systems and Chief Engineer of Computer Technology. Previously, he was Electrical Task supervisor for the Tokomak Fusion Test reactor project at Princeton. Before that he worked for the Hydro Quebec Institute of Research as a Program Manager. Dr Karady started his career at Technology University of Budapest where he progressed from Post Doctoral Student to Deputy Department Head. Dr. Karady is a registered professional engineer in New York, New Jersey and Quebec. He is the author of more than 200 technical papers. Dr. Karady is active in IEEE; he was chairman of Chapter/Membership's Award Committee, Education committee's Award Subcommittee and WG on Non-ceramic insulators.

Dr. Karady also served in the US National Committee of CIGRE as Vice President and Secretary Treasurer. He was a member of the Canadian Electrical Engineering Association and the Electrical Engineering Association of Hungary.



Manuel Castro

Past Recipients

- '05 Marion O. Hagler and Bukes Oakley II
- '06 Ted Batchman and David A. Conner
- '08 David L. Soldan

IEEE Education Society Distinguished Member Award

Presented by Susan M. Lord

For outstanding service to the IEEE Education Society, especially within the Spanish/Portuguese-speaking community, and for significant contributions to distance learning in electrical and computer engineering education

Manuel Castro (M'87–SM'93-F'08) received the Industrial Engineering degree and the Ph.D. degree in Engineering from the ETSII/Madrid Polytechnic University, Spain. He has received the Extraordinary Doctoral Award in the UPM and the Viesgo 1988 Award to the Doctoral Thesis improving the Scientific Research about the Industrial Process Electricity Application, as well as the 1997 and 1999 years UNED's Social Council Award for the Best Didactic Materials in Experimental Sciences and the 2001 Award for the Innovative Excellence in Teaching, Learning & Technology from the Center for the Advancement of Teaching and Learning. He works as researcher, coordinator and director in different projects, ranging from systems applications of simulation techniques, solar system and advanced microprocessor system simulation to telematics and distance learning applications and systems, as well as computer-aided electrical engineering (CAEE), acting now as senior technical director.

Dr. Castro is now with the UNED (Spanish University for Distance Education) as Professor of Electronics Technology inside the Electrical and Computer Engineering Department. He was previously UNED's New Technologies Vice-Rector, UNED's Information Services Center Director, Research and Doctorate Vice-director, Academic Affairs Vice-director of the Engineering School at UNED as well as Director of the Department. He worked for 5 years at Digital Equipment Corporation as senior system engineer. He publishes technical, research and teaching books and articles for journals and conferences as well as multimedia materials and radio and TV programs.

He has served on the organizing committee, program committee and as a reviewer for conferences including IEEE EDUCON, IEEE FIE, ISES, TAEE and SAAEI. He is co-chair of EDUCON 2010, TAEE 2010 and ICECE 2005. He is co-editor of IEEE-RITA and of the Electronic Journal of Spanish Chapter of the IEEE Education Society.

He is a Fellow of IEEE and a member of the Administration Committee (AdCOM) (2005–2010) of the IEEE Education Society serving in the chapter, awards, nominating and meetings committees and Founder and Past-Chairman of the Spanish Chapter of the IEEE Education Society, and Chair of the IEEE Spain Section (2010-2011). He is Vice-President of the Board of the Spanish International Solar Energy Society (ISES).



Michael E. Auer

Past Recipients

'78 Warren B. Boast
'79 Joseph M. Biedenbach
'80 Edwin C. Jones, Jr.
'81 Lyle D. Feisel
'82 Roy H. Mattson
'83 Robert F. Fontana
'84 Gerald R. Peterson
'85 Luke H. Noggle
'86 James A. Mulligan
 Sidney S. Shamis
'87 Thomas K. Gaylord
'88 Robert F. Cotellessa
'89 E. Ben Peterson
'90 Darrell L. Vines
'91 Victor K. Schutz
'92 William K. LeBold
'93 Frank S. Barnes
'94 Patricia D. Daniels
'95 Robert W. Ritchie
'96 Marion O. Hagler
 Donald E. Kirk
'97 Robert Sullivan
'98 Burks Oakley II
'99 Gerald L. Engel
'00 Ted E. Batchman
'01 William E. Sayle II
'02 James Rowland
'03 David A. Conner
'04 Trond Clausen
'05 J. David Irwin
 Rodney J. Soukup
'06 Robert A. Reilly
'07 David V. Kerns, Jr.
'08 James J. Sluss, Jr.
'09 Manuel Castro

**IEEE Education Society Edwin C. Jones, Jr.
Meritorious Service Award**

Presented by Susan M. Lord

For contributions to distance education, development of the IEEE Education Society conferences and chapters in Europe and Africa, and service to engineering education internationally

Michael E. Auer received his Ing. degree (1971) and his Ph.D. degree (1975) from the Dresden University of Technology. After some positions in the industry in 1995 he was appointed Professor of Electrical Engineering at Carinthia University of Applied Sciences Villach. Furthermore he works as a visiting professor at some Universities worldwide.

He is senior member of IEEE, member of VDE, IGIP, etc., author of more than 170 publications and leading member of numerous national and international organizations in the field of online technologies. He is founder and general chair of the annual International Conference “Interactive Computer aided Learning” (ICL), chair of the steering committees of the annual International Conferences “IEEE EDUCON” and “Remote Engineering and Virtual Instrumentation” and chair or member of the Program Committees of several international conferences and workshops.

Michael Auer has experience in leading of several national and international projects in the field of technology supported learning. In September 2010 he was elected as President of IGIP, the International Society of Engineering Education. Michael Auer is Founding President and CEO of the “International Association of Online Engineering” and member of the advisory board of the “European Learning Industry Group.”

Austria Chapter

Chair –

Michael E. Auer

Vice-Chair –

Fritz Schmöllebeck

Treasurer –

Andreas Pester

Secretary –

Danilo Garbi Zutin



Michael E. Auer



Fritz Schmöllebeck



Andreas Pester

**IEEE Education Society
Chapter Achievement Award**

Presented by Susan M. Lord

For leadership that has fostered exemplary technical activities, membership services, and activities in a Society chapter

Michael E. Auer received his Ing. degree (1971) and his Ph.D. degree (1975) from the Dresden University of Technology. After some positions in the industry in 1995 he was appointed Professor of Electrical Engineering at Carinthia University of Applied Sciences Villach. Furthermore he works as a visiting professor at some Universities worldwide.

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Fritz Schmöllebeck is currently Rector of the University of Applied Sciences Technikum Wien, the largest UAS for Studies in Technology and Natural Sciences in Austria. He started his career in research on the theory of electrical engineering at the University of Technology, Vienna. After practical experience in industry at Alcatel SEL in Stuttgart, Germany, he took part in building the sector of Universities of Applied Sciences in Austria. As chairperson of the institute for fundamentals in Electrical Engineering and program director for Electronics Engineering, he contributed extensively to the development of a large number of study Programmes on UAS in Austria. He has a strong interest in developing and diagnosing competences in vocational oriented higher education became a driving force for his work. Since 2006 he has been the Vice President of the Association of Universities of Applied Sciences in Austria.

**IEEE Education Society
Chapter Achievement Award
(continued)**



Danilo Garbi Zutin

Past Recipients

- '06 Nordic Chapter
- '07 Spanish Chapter
- '08 Gulf Chapter
- '09 Santa Clara Valley Chapter and Portugal Chapter



Martín Llamas-Nistal

Past Recipients

- '06 Michael E. Auer and
Manuel Castro
- '07 Carlos Rueda
Artunduaga and
Oliver K. Ban
- '08 Bakr Hassan and
Edmundo Tovar
- '09 Emmanuel A. Gonzalez

**IEEE Education Society
Distinguished Chapter Leadership Award**

Presented by Susan M. Lord

For exceptional contributions and leadership, which have been manifested at the Chapter and Regional level

Martín Llamas-Nistal (M'92–SM'06) received his Eng. degree (1986) and his Ph.D. degree (1994) from the Polytechnic University of Madrid, Spain. From 1994 to 1997 he was Vicedean of the Higher Technical School of Telecommunication Engineers. From 1999 to 2003 he was the head of the ICT Area of the University of Vigo.

He is member of ACM, IEEE and IFIP WG3.6 (distance education). He has received several awards by the W3C and IEEE. His research areas are web engineering and e-learning. He is author or co-author of more than 200 papers in international refereed journals and conference proceedings. He has directed 8 Ph. D. theses (6 of them in Technological Enhanced Learning (TEL)) and he is currently director of 3 Ph. D. theses in TEL. He has directed several national and international research projects in Telematics and Technology Enhanced Learning fields.

He is very involved in activities within IEEE. He is an elected member of the Administrative Committee (AdCom) of the IEEE Education Society as well as the Publications Committee Chair. Since its founding in 2004, he has been a member of IEEE Education Society Spanish Chapter Board, Coordinator of the Technical, Accreditation and Evaluation Committee of the IEEE ES Spanish Chapter (2004-2008), and from April 2008 to April 2010 was the Chairman of the IEEE ES Spanish Chapter. He is an associate editor of News & Notes and Editor-in-Chief of IEEE-RITA. He is a member of the Steering Committee of IEEE-TLT (Transactions on Learning Technology) since its founding in 2008.



Emmanuel Gonzalez

***This is the first year
that this award has
been given.***

IEEE Education Society Student Leadership Award

Presented by Susan M. Lord

***For exceptional leadership in chapter and regional programs and
activities***

Emmanuel Gonzalez (SM'01, GSM'07, M'09) is currently the Assistant Portfolio Manager and Service Leader of Jardine Schindler Elevator Corporation in the Philippines. He is also currently a part-time faculty member of the College of Computer Studies in De La Salle University Manila, as well as the School of EE-ECE-COE at Mapua Institute of Technology. He was elected as an associate member of the National Research Council of the Philippines - Division VII.

He is a recipient of the IEEE Education Society Distinguished Chapter Leadership Award in 2009. He is also currently the Chair of the IEEE Philippines Section Educational Activities Committee and Awards Committee, the founding Vice Chair of the IEEE Education Society Student Activities Committee (EdSocSAC), as well as the founding Editor-in-Chief of the IEEE Multidisciplinary Engineering Education Magazine.



Kai-Pan Mark

***This is the first year
that this award has
been given.***

IEEE Education Society Student Leadership Award

Presented by Susan M. Lord

***For exceptional leadership in chapter and regional programs and
activities***

Kai-Pan Mark is a Ph.D. candidate in the Department of Information Systems, City University of Hong Kong, as well as a Teaching Assistant in Office of Education Development and General Education in the same university. He is currently the vice-chair of IEEE Education Society Hong Kong Chapter. He received his Master of Science in Information Engineering from The Chinese University of Hong Kong, his Bachelor of Science and Associate of Science, both in Computer Studies from City University of Hong Kong. Mr. Mark's research interest is on the behavioral aspects of different stakeholders in e-Learning systems addressing issues on habitual behavior formation through personalization and IT artifact design. His work has been published in numerous journals, international conference proceedings and book chapter. He is also active in applying educational technologies to bring in engaging learning experience for undergraduate and postgraduate students. His teaching areas include technical-oriented Computer Science subjects, business-oriented Information Systems subjects and educational development courses. Mr. Mark is always mindful of helping those in unfortunate circumstances. He is an active volunteer in an IEEE Teacher in Service Program project in Hong Kong to provide assistance and support to science and technology education in rural small schools. He is also a 2010 FIE New Faculty Fellow.



Craig Zilles

Past Recipients

'04 Parham Aarabi
'05 John R. Buck
'06 Lisa G. Huettel
'07 Susan C. Hagness
'08 Kathleen E. Wage
'09 Min Wu

**IEEE Education Society Mac Van Valkenburg
Early Career Teaching Award**
Presented by Susan M. Lord

***For the development, implementation, and dissemination of novel
pedagogies in undergraduate computer architecture courses***

Craig Zilles is an Associate Professor in the Computer Science department at the University of Illinois at Urbana-Champaign. His current research focuses on the interaction between compilers and computer architecture and on computer science education. He received his Ph.D. in 2002 from Wisconsin-Madison for his work with Guri Sohi on Speculative Slices and Master/Slave Speculative Parallelization.

Prior to his work on computer architecture and compilers, he developed the first algorithm that allowed rendering arbitrary three-dimensional polygonal shapes for haptic interfaces (force-feedback human-computer interfaces). He holds 7 patents and recent achievements include receiving a best paper award at the 15th International Conference on Architectural Support for Programming Languages and Operating Systems (ASPLOS 2010), the prestigious NSF CAREER award, and the College of Engineering's Rose and Everitt Awards for Teaching Excellence. He is routinely voted onto the University of Illinois's "List of Teachers Ranked as Excellent by their Students".

