

NEWSLETTER

ANNOUNCEMENT OF YEAR 2004 CoED AWARDS/PRIZES WINNERS

CoED AWARDS/PRIZES

THE HARDEN-SIMONS PRIZE

The HARDEN-SIMONS PRIZE is an annual award for the outstanding *Computers in Education Journal* paper on computational methods and is to commemorate the unselfish contributions of Drs. Harden and Simons to CoED.

Dr. Richard C. Harden, PE, received the BME, BEE, MSE and Ph.D. degrees from University of Florida in 1944, 1956, 1957 and 1961 respectively. A WW II Naval Officer and a USNOTS guidance missile range engineer from 1944-50, he was Chief Engineer at AFMTC, FL from 1950-55. He was a University of Missouri at Rolla Electrical Engineering professor from 1961-67 and Director and Electrical Engineering professor of University of Florida Graduate Engineering Education System (GENESYS) from 1967-72. From 1972-87, he was Electrical Engineering professor and Director of the University of Central Florida South Orlando Campus and until his death, was Professor and Director Emeritus. He authored 100 technical papers, and was a member of Eta Kappa Nu, Sigma Xi, Tau Beta Pi, IEEE, ASEE, SES, NSPE and FES. His honors included Teacher of the Year at UCF and UMR, and the John A. Curtis Lecture Award.

Dr. Fred O. Simons, Jr. received his BSEE degree in 1960 from Mississippi State University and the MS and Ph.D. degrees from the University of Florida in 1962 and 1965. He was a faculty member at Mississippi State University, University of Florida, University of Central Florida, and the FAMU/FSU College of Engineering. He has served as a Professor of Electrical Engineering (since 1977), Director of a Navy Laboratory (1977-78), Chairman of FAMU/FSU (1987-88), Director of FEEDS at FAMU/FSU (since 1985), and consultant with several industries. He has authored 100+ papers and is a member of Tau Beta Pi, Phi Kappa Phi, Eta Kappa Nu, IEEE, SCS, FES and ASEE. His honors include National Schlumberger Scholarships and Ford Foundation Fellowship Awards, Engineering Teacher of the Year at UCF, John A. Curtis Lecture Award.

The HARDEN-SIMONS PRIZE for year 2004 consists of a Certificate and a cash award of \$400 to Tariqul Haque of Southeastern Community College and Michael Urbaniak of Ebtron, Inc. for their paper entitled, "Step by Step Implementation of Ethernet and TCP-IP Protocols on an Embedded System", published in the October – December issue.

Previous recipients of the HARDEN-SIMONS PRIZE are:

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| (2003) John Nydahl, Nance Peck and Scott Morton | (1993) Alireza Rahrooh |
| (2002) Bruce A. Harvey, Rodney G. Roberts | (1992) Mohammed Dadfar |
| (2001) Gopal B. Reddy | (1991) Mohammad H.N. Tabrizi |
| (2000) John Nydahl, Sancy Peck | (1990) Juan Carlos Olabe Basogain |
| (1999) Alireza Rahrooh, Walter Buchanan | (1989) Raymond G. Jacquot |
| (1998) Heidar A. Malki, Guanrong Chen, Shengyi Hou, and Dennis I. Merino, Edgar N. Reyes, and Carl Steidley | (1988) George A. Melhem and Bernard M. Goodwin;; C.H. Treat |
| (1997) Alireza Rahrooh | (1987) James A. Harbach, Raymond G. Jacquot, and John W. Steadman |
| (1996) Stephen M. Williams, Robert W. Ashton, and Mark R. Kipps | (1986) Raymond G. Jacquot and John W. Steadman |
| (1995) Scott van Tonningen | (1985) Raymond G. Jacquot, John W. Steadman, and C. Norman Rhodine. |
| (1994) Alireza Rahrooh and Omid Ansary | |

THE MERL K. MILLER AWARD

The MERL K. MILLER AWARD is an annual prize for the outstanding *Computers in Education Journal* paper on teaching/instructional methods and is to commemorate the contributions and dedication of Merl K. Miller to CoED.

Born in Burns, Wyoming, Merl Miller graduated from the University of Wyoming with a Bachelor of Science degree in Engineering. In 1969, Merl Miller entered the book publishing business at Prentice Hall. Starting as a sales representative, he rapidly climbed to the position of Editor. In 1973, West Publishers was his next step in publishing, before he founded Matrix Publishers, Inc. in 1975. Matrix Publishers, Inc., which became well known for their microcomputer and engineering textbooks, was established because Merl recognized early the growing need for books on microcomputers. Merl Miller became an ASEE member in 1971 and served CoED in various capacities including Vice-President for Industrial Relations. In 1977 Merl Miller formed *dilithium* Press Ltd., a microcomputer book and software publishing house and has authored a large number of books on the subject of microcomputers.

The MERL K. MILLER AWARD for year 2004 consists of a Certificate and a cash prize of \$400 to Richard Layton of the Rose-Hulman Institute, for his paper entitled, "Using Modeling and Simulation Projects to Meet Learning Objectives in an Upper-Level Course in System Dynamics", published in the April – June Issue.

Previous recipients of the MERL K. MILLER AWARD are:

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| (2002) Barbara Bratzel, Martha N. Cyr and Ben Erwin | (1993) M.S. Garelick; Thomas I. Hemmin
Mohammed A. Zahraee, and Gregory Neff |
| (2001) Bradley E. Bishop | (1992) Robert L. Norton |
| (2000) R.E. Link, S.M. Miner | (1991) Herb Treat |
| (1998) John Watkins, George Piper, E. Eugene Mitchell,
and Kevin Wedeward | (1990) Alan Wassying, Samuel Sharp, and Karl Smith |
| (1997) Melvin S. Garelick | (1989) Maurice F. Aburdene |
| (1996) C. Lin, R.K. Romick-Allen, L. Youn, and C. He | (1988) David L. Whitman and Ronald E. Terry |
| (1995) Melvin S. Garelick | (1987) Holly K. Ault and Ronald R. Biederman |
| (1994) Edward Lumsdaine and Wen J. Wu | (1986) Robert L. Norton |
| | (1985) Leon W. Couch and Charles V. Shaffer. |

THE RAY H. SPIESS AWARD

The RAY H. SPIESS AWARD is an annual prize for the outstanding *Computers in Education Journal* paper on hybrid analog/digital computers/computation and is to commemorate the contributions of Ray H. Spiess and Comdyna, Inc., to the development of CoED.

Born in Cincinnati, Ohio, Ray H. Spiess graduated from Purdue University with a Bachelor of Science in Mechanical Engineering. In 1968, he founded Comdyna, Inc., Barrington, Illinois, a manufacturer of analog/hybrid computing systems. He is credited with the following designs: The GP-6 analog computer, the first general purpose analog computer to utilize the integrated circuit operational amplifier; The Microhybrid I, the first microprocessor based hybrid computing system; Micropatch, a microcomputer controlled electronically patched analog computer. Through Comdyna, Inc., he was one of the original sponsors of CoED.

There was no 2004 winner of the RAY H. SPIESS AWARD.

Previous recipients of the RAY H. SPIESS AWARD are:

- (1990) Nicholas M. Karayanakis
- (1988) Nicholas M. Karayanakis
- (1987) George E. Abdo
- (1986) Samuel J. Lynch
- (1985) Raymond G. Jacquot and John W. Steadman.

THE EAI AWARD

The EAI AWARD is an annual prize for the outstanding *Computers in Education Journal* paper on analog computers/computation and is to commemorate the contributions of EAI (Electronic Associates, Inc.) to the development of CoED.

Electronics Associates, Inc. was founded in 1945 as a leading designer and manufacturer of computer-based simulation systems for design, analysis and training, and data acquisition and control systems. EAI, with products marketed worldwide to the aerospace, electric power and other energy related industries, was the original sponsor of CoED and its predecessor organizations headquartered in West Long Branch, New Jersey.

There was no 2004 winner of the EAI AWARD.

Previous recipients of the EAI AWARD are:

- (1997) Nicholas M. Karayanakis
- (1989) Edgar Conley and Kenneth Kokser
- (1985) Nicholas M. Karayanakis.

JOHN A. CURTIS LECTURE AWARD

The John A. Curtis Lecture Award was established by CoED in 1974 as a prize for the best paper presented at the CoED sessions of the ASEE Annual Conference. The year 2004 award consists of a Plaque, a Certificate, and a cash prize of \$300 to J.W. Bruce of Mississippi State University, for his paper entitled, "Design Inspections and Software Product Metrics in an Embedded Systems Design Course".

John Avery Curtis (1909-1988) was born in Brooklyn, New York and received the BA from Yale in 1930. He held public relations, marketing, and executive positions in the entertainment, publishing, communications, and electronics industries and served as vice president and general manager of the marketing division of Electronics Associates Inc. from 1962 to 1968. He was the founding president of a non-profit educational communications network, Center for Excellence, Inc., in Williamsburg, Virginia. He served as Executive Secretary of CoED and its predecessor organizations from 1968 through 1974 and was credited as the key figure in the formation of CoED as part of ASEE. His listings included Who's Who in the South and Southwest.

Previous recipients of the JOHN A. CURTIS LECTURE AWARD are:

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| (2003) Andrew Gavrin, Jeff Watt, Kathleen Marrs and Robert Blake | (1990) John R. Zeller |
| (2002) John Nestor | (1989) C. Bruce Myers and Tim Grady |
| (2001) Geroge Piper, John Watkins, Svetlana Avramov and Carl Wick | (1988) William L. Cleghorn |
| (2000) Brian Stone, Sunill Hirannah, Nathan Scott and Mohamed Manna | (1987) Val Watson |
| (1999) Francois Michaud | (1986) George Y. Jumper, Jr. and John J. Titus |
| (1998) Cameron H. G. Wright and Thad B. Welch | (1985) Glen A. Afflerbach, Ronald E. Terry, and David L. Whitman |
| (1997) John Watkins, George Piper, Kevin Wedeward, and E. Eugene Mitchell | (1984) Robert L. Norton |
| (1996) Jerry C. Hamann | (1983) Albert L. Riemenschneider and Michael J. Batchelder |
| (1995) Kurt Gramoll | (1982) Richard C. Harden and Fred O. Simons, Jr. |
| (1994) John K. Estell | (1981) Trevor Mudge |
| (1993) Robert L. Avanzato | (1980) John W. Steadman, Raymond G. Jacquot, and Mark N. Hepworth |
| (1992) Richard J. Reid | (1979) Dean K. Frederick and Gary L. Waag |
| (1991) Kyran D. Mish, Stephen P. Hurst, and T. Joseph Holland | (1978) C. Norman Kerr |
| | (1977) James L. Lubkin |
| | (1976) Nicholas Perone |
| | (1975) R.V. Houska, M.R. Buric, and S.J. Kahn. |

WOODY EVERETT AWARD

The Woody Everett Award was established by CoED in 1988 for the best paper/presentation/ demonstration at the CoED Poster Session of the ASEE Annual Conference. The year 2004 award consists of a Plaque, a Certificate and a cash prize of \$300 to Nicholas Krouglicof of Union College, for his paper "Implementing CPLD-Based Interfaces for Sensors and Actuators in a Mechatronics Design Course".

Woodrow W. Everett, Jr., was born in Newton, Mississippi on October 11, 1937, and graduated from Murphy High School in Mobile, Alabama in 1955. He received the BEE degree (1959) from George Washington University and the MS degree (1965) and the Ph.D. degree (1968) from Cornell University. He is chairman of the Northeast Consortium for Engineering Education (NCEE). His publications include six books in electronics, engineering education, and management and his published papers are in electromagnetics and electronic systems. He was designated Fellow (1976) and Life Fellow (2003) by the Institute of Electrical and Electronics Engineers. He was designated Life Member by the Air Force Association in 1984 and Life Member of the Reserve Officers Association in 1996. He has been a member of ASEE since 1962 with active participation in CoED (and its predecessor organizations); he served as CoED Chairman from 1986 to 1988 and since 1988 has served as CoED Managing Director with oversight of CoED publications. His military service was in the U.S. Air Force; he is a retired colonel. He received the Engineering Alumni Achievement Award from The George Washington University at its 175th Anniversary Commencement in 1996. The Everett Endowed Chair in the Northeast Consortium for Engineering Education (NCEE) provides infrastructure support to NCEE. The Everett Scholarship Fund in the United Methodist Foundation provides financial assistance to selected entering undergraduates at accredited Colleges and Universities. The Woodrow W. Everett, Jr. SCEE Development Fund Trust provides initial research funding to electrical and computer engineering faculty members with less than five years faculty experience via annual proposal competition at southeastern U.S.A. Institutions. His listings include: Who's Who in America, The American Scientific Registry, Who's Who in Industry and Finance, Dictionary of International Biography, Who's Who in the South and Southwest, Men of Achievement, Who's Who in the World, Who's Who in Technology, Who's Who in Engineering, Notable Americans, Personalities of America, Community Leaders of America, International Who's Who in Engineering, Personalities of the South, Who's Who in the East, Who's Who in Florida, Personalities of the Americas, The Directory of Distinguished Americans, Who's Who in American Education, The International Directory of Distinguished Leadership, American Men and Women of Science.

Previous recipients of the WOODY EVERETT AWARD (identified as the CoED Poster Session Award prior to 1989) are:

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| (2003) William Cleghorn and Nikolai Dechev | (1993) L.D. Thede |
| (2002) Beth Kolko and Linda Whang | (1992) Peter C.M. Burton |
| (2001) Robert Avanzato | (1991) J.E.D. Geleyn and Robert J. Ferguson |
| (2000) Carl Wick and Kenneth Knowles | (1990) Peter C.M. Burton |
| (1999) Wayne Padgett | (1989) W. J. King and S.K. Howell |
| (1998) Devdas Pai, Ajit Kelkar, Richard A. Layton,
Mark Schulz, DeRome Dunn, Samuel Owusu Ofori
and Abjijit Duraphe | (1988) Helen Kuznetsov |
| (1997) James P. Blanchard | (1987) Richard R. Thomas, Donald A. Smith and
William C. Porter |
| (1996) Essaid Bouktache, Chandra R. Sekhar and
Omer Farook | (1986) Arthur Johnson |
| (1995) Ronald G. Forsythe and Michael L. Mavrovouniotis | (1985) J. Jeswiet |
| | (1984) David B. Meredith |
| | (1983) David L. Huggins and Roy E. Myers. |