

## AETS/ASTE AWARDS

### Outstanding Science Educator of the Year (Award I)

- 1973 Gerald Krockover, *Purdue University*  
1974  
1975 Vincent Lunetta, *University of Iowa*  
1976  
1977  
1978 Harold Jaus, *University of Illinois-Chicago*  
1979 Roger W. Bybee, *BSCS*  
1980 Anton Lawson, *Arizona State University*  
1983 William R. Capie, *University of Georgia*  
1985 James Dudley Herron, *Purdue University*  
1986 Charles R. Coble, *East Carolina University*  
1987 John Penick, *University of Iowa*  
1988 James Barufaldi, *University of Texas*  
1989 Lawrence F. Lowery, *University of California*  
1990 William C. Kyle, Jr., *Purdue University*  
1991 Barry Fraser, *Curtin University of Technology, Australia*  
1993 Cheryl Mason, *San Diego State University*  
1994 Patricia Simmons, *University of Georgia*  
1995 J. Preston Prather, *University of Virginia*  
1996 Sandra Abell, *Purdue University*  
1997 Bonnie Shapiro, *University of Calgary*  
1998 William F. McComas, *University of Southern California*  
1999 Patricia Simpson, *St. Cloud State University*  
2000 Wolf-Michael Roth, *University of Victoria*  
2001 John Settlege, *Cleveland State University*  
2002 No Award Given  
2003 Ronald Bonnsetter, *University of Nebraska* (10+ yrs); Michael Clough, *Iowa State University* (<10 yrs)  
2004 No Award Given  
2005 Larry Yore, *University of Victoria, Canada* (10+ yrs); Joanne Olson, *Iowa State University* (<10 yrs)  
2006 Penny J. Gilmer, *Florida State University* (10+ yrs); John W. Tillotson, *Syracuse University* (<10 yrs)  
2007 James A. Shymansky, *University of Missouri-St. Louis* (10+ yrs); G. Nathan Carnes, *University of South Carolina* (<10 yrs)  
2008 Kathryn Scantlebury, *University of Delaware* (10+ yrs); Kathy Cabe Trundle, *The Ohio State University* (<10 yrs)  
2009 Deborah Tippins, *University of Georgia* (10+ yrs); Catherine Milne, *New York University* (<10 yrs)  
2010 Julie A. Luft, *Arizona State University* (10+ yrs); Randy L. Bell, *University of Virginia* (<10 yrs);

### Outstanding Mentor (Award II)

- 1997 John Penick, *University of Iowa*  
1998 Hans Anderson, *Indiana University*  
1999 Norman Lederman, *Oregon State University*  
2000 Robert K. James, *Texas A & M University*  
2001 Robert E. Yager, *University of Iowa*  
2002 Walter S. Smith, *Ball State University*  
2003 Larry Enochs, *Oregon State University*  
2004 Catherine Yeotis, *Wichita State University*  
2005 Sandra Abell, *University of Missouri-Columbia*  
2006 Tom Koballa, *University of Georgia*  
2007 Kenneth Tobin, *Graduate Center of the City University of New York*  
2008 Dana Zeidler, *University of South Florida*  
2009 Lloyd Barrow, *University of Missouri, Columbia*  
2010 Kathryn Scantlebury, *University of Delaware*

### Emeritus Awards (Award III)

- N. Eldred Bingham *University of Florida*  
Milton O. Pella *University of Wisconsin*  
Pinchas Tamir *Hebrew University*  
Clarence Boeck *University of Minnesota*  
Fletcher Watson *Harvard University*  
Marvin Druger *Syracuse University*  
R. Will Burnett *University of Illinois*  
Fred Fox *Oregon State University*  
Nasrine Adibe *Dowling College*  
Gerald Craig *Teachers College Colombia University*  
Herbert Smith *Colorado State University*  
Roger Olstad *University of Washington*  
Alfred De Vito *Purdue University*  
Hans Anderson *Indiana University*  
Paul Dehart Hurd *Stanford University*  
Robert W. Howe *Ohio State University*  
Dorothy Gabel *Indiana University*  
Addison Lee *University of Texas*  
Willard Jacobson *Teachers College Colombia University*  
Donald W. McCurdy *University of Nebraska- Lincoln*  
Ralph Lefler *Purdue University*  
Harold Tannenbaum *Hunter College*  
Steven Winter *Tufts University*  
William C. Ritz *California State University, Long Beach*  
Edward Victor *Northwestern University*  
Stanley Helgeson *Ohio State University*  
Floyd E. Mattheis *East Carolina University*  
Kenneth J. Appleton *Central Queensland University*  
William E. Baird *Auburn University*  
Michael Cohen *Indiana University-Purdue University*  
Vincent Lunetta *Pennsylvania State University*  
Gerald Craig *Teachers College Colombia University*  
Herbert Smith *Colorado State University*  
Roger Olstad *University of Washington*  
Ron Atwood *University of Kentucky*

## **Innovations in Teaching Science Teachers (Award IV)**

- 1990 *A Reflective Approach to Science Methods Courses for Preservice Elementary Teachers*, Dorothy Rosenthal, California State University-Long Beach
- 1991 *Enhancing Science and Mathematics Teaching*, Kenneth Tobin, Nancy Davis, Kenneth Shaw, and Elizabeth Jakubowski, Florida State University
- 1992 *The Learning Cycle as a Model for the Design of Science Teacher Preservice and Inservice Education*, Peter Rubba, Pennsylvania State University
- 1993 *Reconstructing Science Teacher Education Within Communities of Learners*, Deborah Tippins, University of Georgia, Sharon Nichols, Florida State University, and Kenneth Tobin, Florida State University
- 1994 No Award Given
- 1995 *Science for Early Adolescence Teachers (Science FEAT): A Program for Research and Learning*, Samuel Spiegel, Angelo Collins, and Penny J. Gilmer, Florida State University
- 1996 *An Innovative Model for Collaboration Reform in Elementary School Science Teaching*, M. Gail Shroyer, Emmett Wright, and Linda Ramey-Gassert, Kansas State University
- 1997 *Reconceptualizing the Elementary Science Methods Course Using Reflective Orientation*, Sandra Abell and Lynn Bryan, Purdue University
- 1998 *What Science Education Standards Say: Implications for Teacher Education*, Penny Hammrich, Temple University
- 1999 No Award Given
- 2000 *Professional Development Programs for Elementary Science Teachers: An Analysis of Teacher Self-Efficacy Beliefs and The Professional Development Model*, Tracy J. Posnanski, University of Wisconsin-Milwaukee
- 2001 *Empowering Teachers as Researchers and Inquirers*, Anne M. (Amy) Cox-Petersen, California State University, Fullerton
- 2002 *Being There and Not Being "There:" The Experience of Teaching an Elementary Science Education Course on the Internet*, Janice Koch and Michael Barriere, Hofstra University
- 2003 *Using a Card-sorting Task to Elicit and Clarify Science Teaching Orientations*, Patricia Friedrichsen, University of Missouri-Columbia and Thomas Dana, Pennsylvania University
- 2004 *An Inquiry-based Laboratory Lesson to Construct an Understanding of Earth's Seasons*, Paul Ashcraft, Clarion University and Susan Courson, Clarion University
- 2005 No Award given
- 2006 No Award given
- 2007 *Using Historical Non-fiction and Literature Circles to Develop Elementary Teachers' Nature of Science Understanding*, Sharon E. Nichols, The University of Alabama & William Straits, California State University Long Beach
- 2008 Co-Winner: Paper 1  
*More Than a Conversation: Using Cogenerative Dialogues in the Professional Development of High School Chemistry Teachers*, Sonya N. Martin, Drexel University and Kathryn Scantlebury, University of Delaware  
Co-Winner: Paper 2  
*Expanding the Ways in Which Urban Students Participate in Science Education: Rituals, Transactions, and Fundamental Interactions*, Christopher Emdin, Teachers College, Columbia University
- 2009 *Flexibly adaptive professional development in support of teaching science with geospatial technology*, Nancy M. Trautmann, Cornell University and James G. MaKinster, Hobart & William Smith Colleges
- 2010 *Learning to Teach Science Through Collaboration: Coteaching and Cogenerative Dialogue in Elementary Science Methods Courses*, Christina Siry, University of Luxembourg, Nicole Lowell, Elizabeth Zawatski, Manhattanville College

## **Implications of Research for Educational Practice (Award V)**

- 1981 *Wait-time and Learning in Science*, Kevin Tobin, Western Australia Institute of Technology and William Capie, University of Georgia
- 1983 *The Disadvantaged Majority: Science Education for Women*, Jane Butler Kahle, Purdue University
- 1984 *Training Science Teachers to Use Better Teaching Strategies*, Russell H. Yeany and Michael J. Padilla, University of Georgia
- 1985 *Using Research to Improve Science Teaching Practice*, Kenneth Tobin, Western Australian Institute of Technology
- 1986 *Active Technology for Higher Cognitive Level Learning in Science*, Kenneth Tobin, William Capie, and Antonio Bettencourt, University of Georgia
- 1987 *Training Teachers to Teach Effectively in the Laboratory*, Pinchas Tamir, The Hebrew University

- 1988 *What Can Be Learned From Investigations of Exemplary Teaching Practice*, Kenneth Tobin, Florida State University
- 1989 *Visual/Spatial Thinking: An Essential Element of Elementary Science*, Alan J. McCormack, San Diego State University
- 1990 *Helping Students Learn How to Learn: A View from a Teacher-Researcher*, Joe Novak, Cornell University
- 1991 *An Expanded View of the Learning Cycle: New Ideas about an Effective Teaching Strategy*, Charles R. Barman, Indiana University
- 1992 *Teacher Development in Microcomputer Usage in K-12 Science*, James D. Ellis, BSCS
- 1993 *Understanding and Assessing Hands-On Science*, Lawrence Flick, Washington State University
- 1994 *Teaching Evolution: Designing Successful Instruction*, Lawrence Scharmann, Kansas State University
- 1995 *Using Visits to Interactive Science and Technology Centers, Museums, Aquaria and Zoos to Promote Learning in Science*, Leonie Rennie and Terrence McClafferty
- 1996 *General Biology: Creating a Positive Learning Environment for Elementary Education Majors*, Larry Scharmann and Ann Stanheim-Smith, Kansas State University
- 1997 *Empowering Science Teachers: A Model for Professional Development*, Ann Howe, University of North Carolina at Raleigh and Harriet Stubbs, North Carolina State University
- 1999 *A Dynamical Systems Based Model of Conceptual Change*, Andrew Hurford, Haskell Indian Nations University
- 2000 *Teachers and Technology: A Case Study From an Implementation Project*, Myra Halpin and Ann Howe, North Carolina School of Science and Mathematics, and North Carolina State University
- 2001 *Visual/Spatial Thinking: A Forgotten Fundamental for School Science Programs*, Alan J. McCormack and Cheryl L. Mason, San Diego State University
- 2002 *What Knowledge is of Most Worth for Lateral Entry Secondary Science Teachers?* William R. Veal, University of North Carolina at Chapel Hill
- 2003 *Teacher Student Con-Construction in Middle School Life Science*, Maria Nunez-Oviedo, University of Massachusetts-Amherst, Mary Ann Rea-Ramirez, Hampshire College, John Clement and Mary Jane Else, both of, University of Massachusetts-Amherst
- 2004 *'I Be Bangin'! Understanding How Urban African American Youth Can Sustain Agency Across Social Field*, Rowhea Elmesky, Washington University in St. Louis
- 2005 *Culturalized Science Instruction: Exploring Its Influence upon Black and White Students' Achievement*, Eileen Parsons, North Carolina State University
- 2006 No Award given
- 2007 *Narrative of Community: Visualizing Culturally Relevant Science Pedagogy Through the Identities of Black Middle School Teachers*, M. Jenice Goldston and Sharon E. Nichols, The University of Alabama
- 2008 *A Case Study of Fifth Grade Teachers' Changes in Methodology During a Two-Year Timeframe*, Anita Martin and Brian Hand, University of Iowa
- 2009 *Pathways to success in science: A phenomenological study examining the life experiences of African-American women in higher education*, Claudette L. Giscombe
- 2010 *Exploring Multiple Outcomes: Using Cogenerative Dialogues and Coteaching in a Middle School Science Classroom*, Nicole K. Grimes, The Graduate Center, The City University of New York