

CARNEGIE SCIENCE AWARDS

Honoring those who **SPARK** excellence

Awardees 1997-2017

Chairman's Award (17)

- 2017** **Chevron Appalachia, LLC**
- 2016** **Allegheny Conference on Community Development**
- 2014** **Jared L. Cohon, PhD, Carnegie Mellon University; Mark A. Nordenberg, University of Pittsburgh**
- 2013** **Ralph J. Cicerone, PhD; Harvey V. Fineberg, MD, PhD; Charles M. Vest, PhD, The National Academies**
- 2011** **ATI**
- 2010** **Thomas E, Starzl, M.D., PhD**
- 2009** **Westinghouse Electric Company**
- 2008** **Robotics Institute, Carnegie Mellon University**
- 2007** **PPG Industries**
- 2006** **McGowan Institute for Regenerative Medicine**
- 2005** **FedEx Ground**
- 2004** **University of Pittsburgh Medical Center**
- 2003** **Bayer Corporation**
- 2002** **Siemens Westinghouse**

Advanced Manufacturing & Materials Award (31)

- 2017** **Paul Ohodnicki, PhD and the Materials Science, Functional Materials Team, National Energy Technology Laboratory**
- 2016** **Prashant N. Kumta, PhD, University of Pittsburgh Swanson School of Engineering**
- 2015** **Michael Podobnik, Teletrix Corporation**
- 2014** **Fred Patterson, Kennametal Inc.**
- 2013** **Edward Argetsinger; Paul D. Jablonski, PhD; Paul Turner, National Energy Technology Laboratory
Jon Stinson, Boston Scientific Corporation**
- 2012** **Adam Polcyn, PhD; Andrew Wagner, PhD; Paul Ohodnicki PhD; Paul Medwick, PhD; PPG Industries**
- 2011** **Kennametal Inc.**
- 2010** **C. Edward Eckert, PhD, Apogee Technology, Inc.**
- 2009** **Karen A. Craig; Dirk Kammermeier, PhD, Kennametal Inc.**
- 2008** **Paul Medwick, PhD; James Thiel, PhD; Andrew Wagner, PhD, PPG Industries**
- 2007** **Parag L. Hegde; Aharon Inspektor, PhD; Ronald M. Penich, Kennametal Inc.**
- 2006** **John J. Craig; F. Gary Kovac, Supply Systems, Inc.**
- 2005** **Paul Arch, NOVA Chemicals**
- 2004** **Greg W. Needham; Robert A. Erickson; William M. Long, Kennametal Inc.**
- 2003** **Ming Li, PhD, Alcoa Technical Center**
- 2002** **Baolute Ren, PhD, Alcoa Technical Center**
- 2001** **Mark H. Kryder, PhD, Carnegie Mellon University**

Advanced Materials Award (14)

- 2015** Steven R. Little, PhD, University of Pittsburgh Swanson School of Engineering
- 2014** Jay Whitacre, PhD, Carnegie Mellon University
- 2013** David Burns, The ExOne Company
- 2012** Eric Beckman, PhD, University of Pittsburgh
- 2011** Allan Russell, PhD; Krzysztof Matyjaszewski PhD; Richard R. Koepsel PhD; Sang Beom Lee, PhD; Jinyu Huang, PhD
- 2010** Di Gao, PhD, University of Pittsburgh
- 2009** Robert Hunt, Brian Long, Rick Starcher, Bayer MaterialScience LLC
- 2008** Stephen F. Badylak, DVM., PhD, MD, McGowan Institute for Regenerative Medicine

Catalyst Award (19)

- 2015** Rory A. Cooper, PhD, Human Engineering Research Laboratories
- 2014** Richard V. Piacentini, Phipps Conservatory and Botanical Garden
- 2013** Nancy J. Minshew, MD, Center for Excellence in Autism Research – University of Pittsburgh
- 2012** Illah Nourbakhsh, PhD, Carnegie Mellon University
- 2011** Marc Malandro, PhD, University of Pittsburgh
- 2010** Allegheny County Health Department
- 2009** Lenore Blum, PhD, Carnegie Mellon University
- 2008** John W. Manzetti, Pittsburgh Life Sciences Greenhouse
- 2007** Mark H. Kryder, PhD, Seagate Research
- 2006** Red Whittaker, PhD, Robotics Institute, Carnegie Mellon University
- 2005** Steven G. Zylstra, Pittsburgh Technology Council and Catalyst Connection
- 2004** Benno Bernt, PhD, University Partners, Inc., Carnegie Mellon University
- 2003** Alan J. Russell, PhD, McGowan Institute for Regenerative Medicine
- 2002** Ann Jones Gerace, Conservation Consultants, Inc.
- 2001** Roger C. Westman, PhD, Allegheny County Health Department
- 2000** Herbert L. Retcofsky, Spectroscopy Society of Pittsburgh/Society for Analytical Chemists of Pittsburgh
- 1999** Peter C. Johnson, MD, TissueInformatics, Inc.
- 1998** Jane Konrad, Pittsburgh Regional Center for Science Teachers
- 1997** Gary Warnock, PhD, University Of Pittsburgh

Catalyst for Education Award (1)

- 2011** ASSET Inc.

Corporate Innovation Award (13)

| | |
|------|--|
| 2017 | Jessica Trybus, Simcoach Games |
| 2016 | Rhiza |
| 2015 | Aesynt |
| 2014 | Center for Innovation in Restorative Medicine, UPMC |
| 2013 | National Energy Technology Laboratory – Regional University Alliance |
| 2012 | Daedalus |
| 2011 | Plextronics, Inc. |
| 2010 | McGowan Institute for Regenerative Medicine |
| 2009 | Idea Foundry |
| 2008 | MEDRAD, Inc. |
| 2007 | Kennametal Inc. |
| 2006 | Vocollect, Inc. |
| 2005 | Marlin H. Mickle, PhD, University of Pittsburgh |

Elementary Educator Award (24)

| | |
|------|---|
| 2017 | Allison Francis, Fox Chapel School District |
| 2016 | Jessica Huzzard, MLIS, Brooks Elementary School, Moon Township School District |
| 2015 | Jenna Whitney, South Allegheny Elementary School |
| 2014 | Danielle Kephart, Divine Redeemer School |
| 2013 | Shannon Merenstein, Environmental Charter School |
| 2012 | Paul Treacy, Armstrong School District |
| 2010 | Beth Cooper, Butler Area School District |
| 2009 | Cyndy Carroll, Canon-McMillan School District |
| 2008 | Marie Lowe, Lynette Zimmerman, Avella Area School District |
| 2007 | Susan Simmers, Pittsburgh Public Schools |
| 2006 | Scott Sundgren, South Fayette Township School District |
| 2005 | Marguerite Barger; Lisa Faddis; Jim Hopton; Bill Phillips, Jefferson-Morgan School District |
| 2004 | Tim Landry, Seneca Valley School District |
| 2003 | Mary Bertsch, Trinity Area School District |
| 2002 | Joy Kretzler Smith; Ed Smith, Baldwin-Whitehall School District |
| 2001 | Pam Varga, Blackhawk School District |
| 2000 | Cheryl Little, Shady Side Academy |
| 1999 | Todd Binnig, Franklin Regional School District |
| 1998 | Joan Gorsuch, Montour School District |
| 1997 | Charles M. Sosko, Carlynton School District |

Middle Level Educator Award (22)

- 2017 **Brett Slezak**, Allehehny Valley School District
- 2016 **Laura Micco**, Environmental Charter School
- 2015 **Julie Allison**, Beaver Area School District
- 2014 **David Andrews**, Butler Junior High School
- 2013 **Howard Johnson**, Charleroi Area School District
- 2012 **Margie Ritson**, Franklin Regional School District
- 2011 **Richard Gebrosky**, North Allegheny School District
- 2010 **Arlynn Adamerovich**, Ligonier Valley School District
- 2009 **Maribeth Varganin**, Quaker Valley School District
- 2008 **Nancy Bires**, Hermitage School District
- 2007 **Cheryl Kestner; Lorraine Kuniak; James Musolino; Evelyn Quade**, Mary Queen of Apostles School
- 2006 **Laurie R. Ahrenholtz**, North Hills School District
- 2005 **Bethany Foster-Wilhelm**, Pittsburgh School District
- 2004 **Gary Popiolkowski**, Chartiers-Houston School District
- 2003 **Ed Mihalacki**, Hempfield Area School District
- 2002 **Mary Elizabeth Jaquay**, Diocese of Pittsburgh
- 2001 **Paul Belluomini**, Hempfield Area School District
- 2000 **Tony Magnelli**, Quaker Valley School District
- 1999 **Doris J. Lijewski**, Diocese of Pittsburgh

High School Educator Award (25)

- 2017 **Julia Metz, PhD**, Hopewell High School
- 2016 **Robert Wesolowski**, Saint Joseph High School
- 2015 **Graig Marx**, Winchester Thurston School
- 2014 **Tim Linkenheimer; Dale Moll**, Blackhawk High School
- 2013 **Mark Buccilli; Jennifer DiPasquale; Jackie Karenbauer**, North Hills School District
- 2012 **Jodi King**, Chartiers Valley School District
- 2011 **Elaine Custer**, Karns City Area School District
- 2010 **Jeanne Campbell Suehr**, Yough School District
- 2009 **William Diehl; Anita Schuchardt, PhD**, Shady Side Academy
- 2008 **Ellen Wright**, Pittsburgh Public Schools
- 2007 **Jason Lucia**, North Catholic High School, Diocese of Pittsburgh
- 2006 **Nicholas S. Kovacic**, Greene County Career and Technology Center
- 2005 **James G. Rutkowski**, Erie City School District
- 2004 **Janet R. Waldeck, PhD**, South Fayette Township School District
- 2003 **Regis P. Joseph**, Alternative Center for Education
- 2002 **Mark Krotec**, Diocese of Pittsburgh
- 2001 **Dan Malone**, Fox Chapel Area School District
- 2000 **Kathy Malone**, Shady Side Academy
- 1999 **Brian Wargo**, Freedom Area School District
- 1998 **Sean P. Lally**, Sewickley Academy
- 1997 **Edward F. Schroth**, Quaker Valley School District

Leadership in STEM Education (7)

- 2017** Leonard Kisslinger, PhD, Carnegie Mellon University
- 2016** Bioinformatics Education Team, Pittsburgh Supercomputing Center
- 2015** Marijke Hecht, Pittsburgh Parks Conservancy
- 2014** Michael T. Lotze, MD, University of Pittsburgh Cancer Institute
- 2013** James Manner, PhD; Fu-mei C. Lin, PhD, Society for Analytical Chemists of Pittsburgh/
Spectroscopy Society of Pittsburgh
- 2012** Math & Science Collaborative

Leadership in Career and Technical Education (2)

- 2017** Christine Nguyen, Sarah Heinz House
- 2016** Darby L. Copeland, EdD, Parkway West Career and Technology Center

School District Award (6)

- 2011** Avella Area School District
- 2010** Franklin Regional School District
- 2009** Derry Area School District
- 2008** Riverview School District
- 2007** Jeannette City School District
- 2006** Hopewell Area School District

Special Recognition in Science Education (1)

- 2011** John Pollock, PhD, Duquesne University

Junior Division Student (20)

- 2017** Jesse Hilko, Freeport Area Middle School
- 2016** Oscar Heller, Carson Middle School
- 2015** Benhamin A. Bermann; James T. Votruba-Drzal, Falk Laboratory School
- 2014** Dilan Gangopadhyay, PA Virtual Charter School
- 2013** Orion Gangopadhyay, PA Virtual Charter School
- 2012** Victoria LaRossa, St. Alexis
- 2011** Mihir Garimella, Fox Chapel School District
- 2010** Sophia Lee, North Allegheny School District
- 2009** Danielle Ferrer, Chartiers Valley School District
- 2008** Sydney Lukus, Seneca Valley School District
- 2007** Maggie Gunn, North Allegheny School District
- 2006** Breean Gilbert, Ambridge Area School District
- 2005** Mark Leibensperger, Pine Richland Middle School
- 2004** Sean Broderick, Sterrett Classical Academy
- 2003** Allysa Nagy, Shaler Area Middle School
- 2002** Michael Andryka, Lincoln Middle School

- 2001** **Nathan Sudie**, St. Joseph Regional School
- 2000** **Jennifer Cross**, Mt. Nittany Middle School
- 1999** **Zachary Hartle**, Hopewell memorial Jr. High School

Intermediate Division Student (17)

- 2017** **Amulya Garimella**, Dorseyville Middle School
- 2016** **Aria Eppinger**, Winchester Thurston School
- 2015** **Haley Nichols**, Falk Laboratory School
- 2014** **Kevin Chen**, Fort Couch Middle School
- 2013** **Taylor Robinson**, Sister Thea Bowman Catholic Academy
- 2012** **Connor Mowry**, Falk School
- 2011** **Xerxes Libsch**, Sacred Heart Elementary School
- 2010** **Anna Henkels**, St. Thomas More School
- 2009** **Adam Dando**, Franklin Regional School District
- 2008** **Adam Smith**, St. Thomas More School
- 2007** **Pietra Bruni**, St. Thomas More School
- 2006** **Katie Cushma**, St. Thomas More School
- 2005** **Margaret Schervish**, Carlow Campus School
- 2004** **Lorren Kezmoh**, Brentwood Middle School
- 2003** **Nathan Sudie**, St. Joseph Regional School
- 2002** **Daniel Miller**, Frick International Studies Academy
- 2001** **Michael Lin**, Dorseyville Middle School

Senior Division Student (20)

- 2017** **Joseph Flot**, Pittsburgh Science and Technology Academy
- 2016** **Sophia Yurkovetsky**, Pittsburgh Science and Technology Academy
- 2015** **Suvir Mirchandani; Konrad Urban**, Fox Chapel Area High School
- 2014** **Rishi Mirchandani**, Fox Chapel Area Senior High School
- 2013** **Ryan Maurer**, Frazier High
- 2012** **Natalie Nash**, Vincentian Academy
- 2011** **Chareeni Kurukulasuriya**, Pittsburgh Public Schools
- 2010** **Sasank Chundi**, Upper St. Clair School District
- 2009** **Joanna Guy**, Garrett County Public Schools
- 2008** **Nicholas Kelley**, Oil City Area School District
- 2007** **Cliff Kim**, North Allegheny School District
- 2006** **Jessica Klabnik**, Freeport Area School District
- 2005** **Megan Conroy**, Conroy Learning Center
- 2004** **Chad Hoover**, Cambria Heights High School
- 2003** **Jennifer Cross**, State College Area High School
- 2002** **Samantha Conroy**, Conroy Learning Center
- 2001** **Christina Rivera**, Keystone Oaks High School
- 2000** **Lauren B. Sendek**, McKeesport Area High School
- 1999** **Catherine A. Havasi**, Franklin Regional Sr. High School

University/Post-Secondary Student (9)

- 2017 **Genoa Warner**, Carnegie Mellon University
- 2016 **Elizabeth Oczypok, PhD**, University of Pittsburgh
- 2015 **Danielle Chirdon**, Carnegie Mellon University
- 2014 **Taylor D. Canady**, Carnegie Mellon University
- 2013 **Elaine Faith Houston**, University of Pittsburgh, Human Engineering Research Laboratories
- 2012 **Douglas Nelson**, University of Pittsburgh
- 2011 **Vineet Agrawal**, McGowan Institute for Regenerative Medicine
- 2010 **Bryan Brown**, University of Pittsburgh, McGowan Institute for Regenerative Medicine
- 2009 **Donna J. Haworth**, University of Pittsburgh

University/Post-Secondary Educator Award (29)

- 2017 **Chandralekha Singh, PhD**, University of Pittsburgh
- 2016 **Richard D. Bowden, PhD**, Allegheny College
- 2015 **David Brumley**, Carnegie Mellon University, CyLab
- 2014 **Thomas D. Eatmon, Jr., PhD**, Allegheny College
- 2013 **Steven Little, PhD**, University of Pittsburgh, Swanson School of Engineering
- 2012 **Melissa Bilec, PhD**, Amy Landis, PhD, University of Pittsburgh
- 2011 **Thad Zaleskiewicz, PhD**, University of Pittsburgh Greensburg
- 2010 **Alison Slinsky Legg, PhD**, University of Pittsburgh
- 2009 **John Mahoney, MD**, University of Pittsburgh School of Medicine
- 2008 **Joseph J. McCarthy, PhD; Robert S. Parker, PhD; Mary Besterfield-Sacre, PhD**
University of Pittsburgh
- 2007 **Sanjeev Shroff, PhD**, University of Pittsburgh
- 2006 **Jennifer Cartier, PhD**, University of Pittsburgh
- 2005 **Winston Erevelles, PhD**, Robert Morris University
- 2004 **David Yaron, PhD**, Carnegie Mellon University
- 2003 **Joseph J. Grabowski, PhD**, University of Pittsburgh
- 2002 **Karl H. Lewis, PhD**, University of Pittsburgh
- 2001 **Dan Budny, PhD; Rainer Johnsen, PhD; Leonard S. Kogut, PhD; George A.J. Sparling, PhD**
University of Pittsburgh
- 2000 **Alan J. Russell, PhD; Robert M. Enick, PhD; John N. Murphy**, University of Pittsburgh
- 1999 **Robert A. Walters**, Penn State McKeesport
- 1998 **George C. Bandik, PhD**, University of Pittsburgh
- 1997 **Frank Beatrous, PhD**, University of Pittsburgh

Catalyst for Professional and Community Education Award (1)

- 2012 **Evan “Jake” Waxman, MD, PhD**, University of Pittsburgh

Emerging Female Scientist Award (11)

- 2017** Kathryn Whitehead, PhD, Carnegie Mellon University
- 2016** Susanne E. Ahmari, MD, PhD, University of Pittsburgh
- 2015** Shirley Ho, PhD, Carnegie Mellon University, Department of Physics
- 2014** Peijun Zhang, PhD, University of Pittsburgh School of Medicine
- 2013** Xinyan Tracy Cui, PhD, Department of Bioengineering, University of Pittsburgh
- 2012** Lillian Chong, PhD, University of Pittsburgh
- 2011** Sara Majetich, PhD, Carnegie Mellon University
- 2010** Charleen Chu, MD, PhD, University of Pittsburgh
- 2009** Priya Narasimhan, PhD, Carnegie Mellon University
- 2008** Tiziana Di Matteo, PhD, Carnegie Mellon University
- 2007** Kay M. Brummond, PhD, University of Pittsburgh

Engineer Award (4)

- 2000** Karen A. Barbac; Stella A. Raduch; Kurt G. Olson, PhD, PPG Industries Research Team
- 1999** W. Scott Smith, PhD, Contraves Brashear Systems

Start-Up Entrepreneur Award (12)

- 2017** Dick Zhang, Identified Technologies
- 2016** Jorgen Pedersen, RE2 Robotics
- 2015** Ananya Cleetus, Magikstra
- 2014** Don Charlton, The Resumator
- 2013** Patrick Daly, Cohera Medical
- 2012** Nicholas Kuhn, ALung Technologies Inc.
- 2011** Jeff Mullen, MBA, JD, Dynamics Inc.
- 2010** Razi Imam, Landslide Technologies, Inc.
- 2009** David Palmer, ClearCount Medical Solutions
- 2008** John Shearer, Powercast Corporation
- 2006** Richard D. McCullough, PhD, Carnegie Mellon University and Plextronics, Inc.
- 2005** Keith LeJeune, PhD, Agentase LLC

Entrepreneur Award (22)

- 2017 Joe Ferrara, Wombat Security Technologies, Inc.
- 2016 Craig Markovitz, Blue Belt Technologies, Inc.
- 2015 Jesse Schell, Schell Games
- 2014 Christine Robins, BodyMedia
- 2013 Raul Valdes-Perez; Jerome Pesenti, Vivisimo
- 2012 Henry Thorne, Thorley Industries
- 2011 Michael Finke, M*Modal
- 2010 Lalit Chordia, Thar Technologies, Inc.
- 2009 D. Raja, Computer Enterprises, Inc.
- 2008 Rich Lunak, Innovation Works, Inc.
- 2007 Ronald P. Bianchini, Jr., PhD, Network Appliances, Inc.
- 2006 Lawrence Rhoades, The Ex One Company
- 2005 Peter M. DeComo, Renal Solutions, Inc.
- 2004 Gerald McGinnis, Respiroics, Inc.
- 2003 Alfred A. Kuehn, PhD, Management Science Associates, Inc.
- 2002 D. Lansing Taylor, PhD, Cellomics, Inc.
- 2001 M. Stephen Heilman, MD, Medrad, Inc.
- 2000 Glen T. Meakem, Freemarkets
- 1999 Sean McDonald, Automated Healthcare, Inc.
- 1998 Paul L. Kornblith, MD, Precision Therapeutics, Incorporated
- 1997 Eric Cooper, PhD, Fore Systems

Environmental Award (17)

- 2017 Neil Donahue, PhY, Carnegie Mellon University
- 2016 Albert Presto, PhD, Carnegie Mellon University
- 2015 Jeanne M. VanBriesen, PhD, PE, Carnegie Mellon University,
Department of Civil and Environmental Engineering
- 2014 Xu Liang, PhD, Swanson School of Engineering, University of Pittsburgh
- 2013 Robert Enick, PhD, NETL RUA and Chemical and Petroleum Engineering, University of Pittsburgh
- 2012 Tom Joseph, Epiphany Solar Water Systems
- 2011 Karen Foltz, Vox Energy Solutions
- 2010 Devra Davis, PhD, Environmental Health Trust
- 2009 Rebecca Flora, AICP, LEED, AP, Green Building Alliance
- 2008 Richard V. Piacentini, Phipps Conservatory and Botanical Gardens
- 2007 Mascaro Sustainability Initiative, University of Pittsburgh
- 2006 Pittsburgh Parks Conservancy
- 2005 Margaret H. Dunn, Stream Restoration Incorporated
- 2004 Eric J. Beckman, PhD, University of Pittsburgh
- 2003 Robert S. Hedin, PhD, Iron Oxide Recovery, Inc.
- 2002 James T. Cobb, Jr., PhD, University of Pittsburgh
- 2001 Bernard P. Breen, PhD, Energy Systems Associates

Information Technology Award (17)

- 2017 Alex Jones, PhD, University of Pittsburgh
- 2016 Touchtown, Inc.
- 2015 Luis von Ahn, PhD, Duolingo
- 2014 Ronald P. Bianchini, Jr., PhD, Avere Systems
- 2013 Mark DeSantis, kWantera, Inc.
- 2012 David Sharbaugh, SmartRoom
- 2011 Raj Rajkumar, PhD, Carnegie Mellon University
- 2010 Luis von Ahn, Carnegie Mellon University
- 2009 Peter Feiler, PhD, Software Engineering Institute, Carnegie Mellon University
- 2008 Entertainment Technology Center, Carnegie Mellon University
- 2007 Sridhar Tayur, PhD, SmartOps®
- 2006 Raul Valdes-Perez, PhD, Vivisimo, Inc.
- 2005 Richard Pethia, Software Engineering Institute
- 2004 Tuomas Sandholm, PhD, CombineNet, Inc.
- 2003 Asim Smailagic, PhD, Carnegie Mellon University
- 2002 Kenneth M. Sochats, University of Pittsburgh
- 2001 Linda M. Northrop, Software Engineering Institute, Carnegie Mellon University

Innovation in Energy (2)

- 2017 Kevin Chen, PhD, University of Pittsburgh
- 2016 Shiwoo Lee, PhD, U.S. DOE National Energy Technology Laboratory / AECOM

Life Sciences Award (18)

- 2017 John Kellum, PhD, University of Pittsburgh
- 2016 Rocky S. Tuan, PhD, University of Pittsburgh School of Medicine
- 2015 Yadong Wang, PhD, University of Pittsburgh Swanson School of Engineering
Pittsburgh Biomaterials Foundry
- 2014 Angela M. Gronenborn, PhD, Department of Structural Biology,
University of Pittsburgh School of Medicine
- 2013 David A. Vorp, PhD, Swanson School of Engineering, University of Pittsburgh
- 2012 Joel L. Schuman, MD, University of Pittsburgh
- 2011 Massimo Trucco, MD, University of Pittsburgh, Children's Hospital of Pittsburgh of UPMC
- 2010 Andrew Schwartz, PhD, University of Pittsburgh School of Medicine
- 2009 Yuan Chang, MD; Patrick Moore, MD, MPH, University of Pittsburgh Cancer Institute
- 2008 William R. Wagner, PhD, University of Pittsburgh
- 2007 Harvey S. Borovetz, PhD, University of Pittsburgh
- 2006 Savio L-Y. Woo, PhD, D.Sc (Hon.) Musculoskeletal Research Center, Department Of Bioengineering,
University of Pittsburgh
- 2005 Stephen F. Badylak, DVM, PhD, MD, McGowan Institute for Regenerative Medicine
- 2004 John W. Mellors, MD, University of Pittsburgh School of Medicine
- 2003 Robert B. Herberman, MD, University of Pittsburgh Cancer Institute
- 2002 Paul Chang, MD, University of Pittsburgh School of Medicine
- 2001 Alan S. Waggoner, PhD, Carnegie Mellon University

Science Communicator Award (16)

- 2017 Beth Skwarecki, *Lifehacker*/ Freelance
- 2016 Deborah D. Stine, Carnegie Mellon University
- 2015 Kathleen Knauer, *The Allegheny Front*
- 2014 Elaine Vitone, *Pitt Med Magazine*, University of Pittsburgh School of Medicine
- 2013 Joe Ballay; Peter Lucas, PhD; Mickey McManus, MAYA Design, Inc.
- 2012 Timothy Puko, *Pittsburgh Tribune-Review*
- 2011 Reid Frazier
- 2010 Andrew Conte; Luis Fabregas, *Pittsburgh Tribune-Review*
- 2009 Joe Miksch, *Pitt Med Magazine*, University of Pittsburgh
- 2008 Kenneth Chiacchia, PhD, University of Pittsburgh Medical Center
- 2007 Cara J. Hayden, *Pitt Magazine*, University of Pittsburgh
- 2006 Bayer Corporation and its Making Science Make Sense® annual research project,
the *Bayer Facts Of Science Education* survey
- 2005 Jennifer Bails, *Pittsburgh Tribune-Review*

Scientist Award (9)

- 2000 Zoltan J. Cendes, PhD, Ansoft Corporation
- 1999 Michael L. Bussler, Algor, Inc.
- 1998 T.E. Schlesinger, PhD; Daniel D. Stancil, PhD, Carnegie Mellon University and
Applied Electro-Optics Corporation
- 1997 C. Erik Bauer; George P. Grab; Aharon Inspektor, PhD; William M. Melago; Edward J. Oles;
Kennametal Inc.

Special Achievement in Environmental Education (3)

- 2010 Laura Branby; Wendy Kedzierski; Jim Palmer, Creek Connections, Allegheny College

CARNEGIE SCIENCE AWARDS

Honoring those who **SPARK** excellence

Honorable Mentions 1997-2017

Advanced Manufacturing & Materials Award Honorable Mention (12)

- 2004** Dan Krinock, Airo Die Casting; **Joseph R. Pickens, PhD**, Concurrent Technologies Corporation
Aharon Inspektor, PhD; Ronald M. Penich; Allen E. Poponick; Parag L. Hegde; Charles J. Petrosky;
John R. Winebrenner, Kennametal Inc.
- 2003** **Robert A. Erickson; William M. Long; Greg W. Needham**, Kennametal Inc.
Joseph R. Pickens, PhD, Concurrent Technologies Corporation

Catalyst Award Honorable Mention (8)

- 2011** **Illah Nourbakhsh, PhD**, Carnegie Mellon University
- 2010** **Terrence Collins, PhD**, Institute for Green Chemistry, Carnegie Mellon University
- 2009** **Marc S. Malandro, PhD, CLP**, University of Pittsburgh
- 2008** **Louis Piconi**, Apangea Learning, Inc.
- 2005** **V. Michael Mautino**, Bayer MaterialScience LLC
- 2004** **Rita A. Bajura**, National Energy Technology Laboratory
- 2003** **Arthur S. Levine, MD; Margaret C. McDonald, PhD**, University of Pittsburgh School of Health Sciences

Corporate Innovation Award Honorable Mention (8)

- 2017** **Dick Zhang**, Indentified Technologies
- 2016** **Simcoach Games**
- 2015** **Rhiza, Inc.**
- 2012** **Seegrid Corporation**
- 2010** **Plextronics, Inc.**
- 2008** **Idea Foundry**
- 2006** **Kennametal Inc.**
- 2005** **Vocollect, Inc.**

Elementary Educator Award Honorable Mention (9)

- 2017** Dave Tomko, Sharon City School District
- 2015** Michele Thomas, Kiski Area School District
- 2014** Carol Fraser, Highlands School District
- 2013** Danielle Kephart, Divine Redeemer School
- 2010** Daniel Arnold, Laurel Highlands School District
- 2006** Kevin Rorabaugh, Shenango Area School District
- 2005** Sheila Wagner, North Allegheny School District
- 2004** Susan H. Casker, Seneca Valley School District
Gerry Lewis, Bayer Corporation

Middle Level Educator Award Honorable Mention (12)

- 2017** Brian Grindle, Yough Intermediate Middle School
- 2016** Robin Whitaker, Chartiers Valley School District
- 2007** Nancy Bires, Hermitage School District
- 2006** Al Dorsch, Shenango Area School District
- 2005** Laurie R. Ahrenholtz, North Hills School District
Cynthia K. Ollendyke, Peters Township School District
- 2004** Mary Elizabeth Bigney, DuBois Area School District
Kathleen Spencer, Providence Heights Alpha School
Frank Maykuth; Debbie Petrun; Dennis Schiffbauer, Albert Gallatin School District
- 2003** James Stearns, Shaler Area School District

High School Educator Award Honorable Mention (11)

- 2017** Fred Peskorski, Upper St. Clair School District
- 2015** Volunteer Advisors of the Seneca Valley Chapter of the Science National Honor Society
- 2014** Brian E. Ludwig, Riverview School District
- 2012** James Cassandro, North Hills School District
- 2010** Evelyn Breitgan, Avella Area Junior/Senior High School
Jade Leung, Shaler Area High School
- 2009** Jeanne Campbell Suehr, Yough School District
- 2006** Jason Lucia, North Catholic High School, Diocese of Pittsburgh
- 2005** Nicholas S. Kovacic, Greene County Career and Technology Center
- 2004** James G. Rutkowski, Erie City School District
- 2003** Janet R. Waldeck, PhD, South Fayette Township School District

Leadership in Career and Technical Education Honorable Mention (2)

- 2017** Daniel Wagner, Greene County Career and Technology Center
- 2016** Guy C. Berry, PhD, Carnegie Mellon University

University/Post-Secondary Educator Award Honorable Mention (26)

- 2017 **Dr. Peyman Givi**, University of Pittsburgh; **Dr. Conrad Zapanta**, Carnegie Mellon University
- 2016 **Mark T. Stauffer, PhD**, University of Pittsburgh at Greensburg
- 2014 **Steven Abramowitch**, Swanson School of Engineering
- 2013 **Thomas Eatmon**, Allegheny College
Edward Schroth, Duquesne University, Center for Environmental Research and Education
- 2011 **Melissa Bilec, PhD; Amy Landis, PhD**, University of Pittsburgh
- 2010 **Thad Zaleskiewicz, PhD**, University of Pittsburgh at Greensburg
- 2009 **Wendy Kedzierski; Jim Palmer**, Creek Connections, Allegheny College
Alison Slinsky Legg, PhD, University of Pittsburgh
- 2008 **Michelle Blanken**, Bidwell Training Center
- 2007 **Susan Finger, PhD**, Carnegie Mellon University; **Edward Zovinka, PhD**, Saint Francis University
- 2006 **Jay Hosler, PhD**, Juniata College
- 2005 **Chandralekha Singh, PhD**, University of Pittsburgh
Karen H. Stump, Mellon College of Science, Carnegie Mellon University
- 2004 **Joseph J. McCarthy, PhD**, University of Pittsburgh
Mary-Besterfield-Sacre, PhD; Bopaya Bidanda, PhD; Rabikar Chatterjee, PhD; Michael Lovell, PhD;
Marlin Mickle, PhD; Larry Shuman, PhD, Product Realization Team, University of Pittsburgh
- 2003 **Paul S. Steif, PhD**, Carnegie Mellon University

University/Post-Secondary Student Honorable Mention (6)

- 2017 **Alexandra To and Neil Carlton**, Carnegie Mellon University
- 2015 **Sarah Kochanek**, Duquesne University
- 2012 **Sam Rothstein**, University of Pittsburgh
- 2011 **Southwest PA Chapter of the American Meteorological Society at CalU**
- 2009 **Donna J. Haworth**, University of Pittsburgh

Emerging Female Scientist Award Honorable Mention (9)

- 2017 **Dr. Kara Anne Bernstein**, University of Pittsburgh School of Medicine
- 2016 **Inês Azevedo, PhD**, Carnegie Mellon University
- 2015 **Fabrisia Ambrosio, PhD**, University of Pittsburgh, Department of Physical Medicine and Rehabilitation
- 2012 **Shelley Anna, PhD**, Carnegie Mellon University
- 2011 **Mary Koes**, Thorley Industries
- 2010 **Alison Barth, PhD**, Carnegie Mellon University; **Kacey Marra, PhD**, University of Pittsburgh
- 2009 **Charleen T. Chu, MD, PhD**, University of Pittsburgh
- 2007 **Vera Donnenberg, PhD**, Hillman Cancer Center

Start-Up Entrepreneur Award Honorable Mention (8)

- 2015** Robb Myer, NoWait
- 2014** William J. Federspiel, University of Pittsburgh, McGowan Institute; Jay Whitacre, Aquion Energy, Inc.
- 2013** Mike Formica, threeRivers 3D, Inc.
- 2012** Tracy Brown, Evil Genius Designs
- 2011** Nick Kuhn, MBA, ALung Technologies
- 2010** Patrick Daly, Cohera Medical, Inc.
- 2009** Patrick Daly, Cohera Medical, Inc.

Entrepreneur Award Honorable Mention (10)

- 2017** Jessica Trybus, Simcoach Games
- 2016** Mark Evans, Confluence
- 2015** Susan and Eric Koger, ModCloth
- 2014** Jesse Schell, Schell Games; Luis von Ahn, Duolingo
- 2013** Jesse Schell, Schell Games
- 2012** Saul Shiffman, PhD, Invivodata, Inc.
- 2011** Henry Thorne, Thorley Industries
- 2009** Lalit Chordia, Thar Technologies, Inc.

Environmental Award Honorable Mention (14)

- 2017** Dr. Emily Elliot, University of Pittsburgh
- 2016** Dr. Natalie Pekney, National Energy Technology Laboratory
- 2015** Ronald Gdovic, WindStax Wind Power Systems
- 2014** Ravi Chidambaran, Aquatech International Corp
- 2013** Mont Handley, Pittmoss Development Company, LLC; Emily Elliot, University of Pittsburgh
- 2012** Gregory Lowry, PhD, Carnegie Mellon University
- 2011** Gregory Lowry, PhD, Carnegie Mellon University
- 2010** Gregory Lowry, PhD, Carnegie Mellon University
- 2008** Rebecca Flora, AICP, LEED, AP, Green Building Alliance
- 2006** Slippery Rock Watershed Coalition
- 2005** Angela Belli, St. Vincent College
- 2004** Margaret H. Dunn, Stream Restoration Incorporated
- 2003** Margaret H. Dunn, Stream Restoration Incorporated

Information Technology Award Honorable Mention (2)

- 2005** Sridhar Tayur, PhD, Tepper School of Business, Carnegie Mellon University
- 2004** Richard Pethia, Software Engineering Institute, Carnegie Mellon University

Innovation in Energy Award Honorable Mention (1)

- 2016** Ronald Gdovic, PhD, WindStax Wind Power Systems

Life Sciences Award Honorable Mention (2)

- 2005** **Savio L-Y. Woo, PhD, D.Sc (Hon.)** Musculoskeletal Research Center, Department Of Bioengineering,
University of Pittsburgh
- 2003** **John Mellors, MD**, University of Pittsburgh School of Medicine

Science Communicator Honorable Mention (9)

- 2017** **Jess Bergson and Katie Grennan**, Arts Management and Technology Lab
- 2016** **Robyn K. Coggins**, *Pitt Med Magazine*
- 2014** **Mary Ann Thomas**, *Trib Total Media*
- 2012** **Lou Kilzer**, *Pittsburgh Tribune Review*; **Pierina Morelli**, WQED Multimedia
- 2010** **Jeff Fraser**, *Pittsburgh Quarterly*
- 2008** **Joe Miksch**, *Pitt Med Magazine*, University of Pittsburgh
- 2007** **Kenneth Chiacchia, PhD**, University of Pittsburgh Medical Center