

**AKRON COUNCIL OF
ENGINEERING AND SCIENTIFIC SOCIETIES
65th ANNUAL
HONORS AND AWARDS BANQUET**



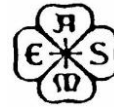
**Akron Council of Engineering
and Scientific Societies**

Incorporated 1946

www.ACESInc.org



IEEE



AIChE
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS



Akron Physics Club



**Thursday, November 1, 2012
Guy's Party Center**

**65th ANNUAL
ACCESS HONORS & AWARDS BANQUET PROGRAM**

Guy's Party Center

November 1st, 2012

| | |
|---|--|
| • <i>Welcome, Opening Remarks</i> | -Dr Lloyd Goettler President, ACCESS |
| • <i>The Star Spangled Banner</i> | -Gerard Berroteran Miller South School for the Visual & Performing Arts |
| Dinner | |
| • <i>Banquet Introductions</i> -ACCESS Advisory Council -Distinguished Guest | -Dr Lloyd Goettler -Dr Frank Douglas Austen BioInnovation Institute in Akron |
| • <i>Speaker Introduction</i> | -Dr Lloyd Goettler |
| • <i>Speaker</i> | -Dr Donald P Visco, Jr -Deanna Dunn -Connie Hollo/Kevin Knapp/Michan Limbacher |
| The University of Akron Engineering Experience: How Student Design Teams and Co-Operative Education Help Make a Successful Student | |
| • <i>Outstanding High School Student Science / Math Awards</i> -Presentation of Certificates of Recognition to Outstanding Students from High Schools in Summit County | -Certificates presented by Dr Anoop Krishen / Dr Lloyd Goettler -Winners announced by Dr Missi Zender-Sakach / Dr Katrina Halasa |
| • <i>Honors & Awards</i> | -Mr Robert Osterhout President-Elect, ACCESS |
| - <i>Best of Show Akron Science & Technology Expo -Middle School</i> | -Jacob Rich National Inventors Hall of Fame School, Akron |
| - <i>Best of Show Akron Science & Technology Expo -High School</i> | -Alena Veigl Firestone High School, Akron |
| - <i>Best of Show Western Reserve District 5 Science Day</i> | -Mitchell Pallaki St Raphael School, Avon Lake |
| - <i>ACCESS / OMNOVA Teacher Grant Awards</i> | -Janeen Beresh, Lawndale Elementary School, Akron -Karen Hazlett, Miller South School for the Visual & Performing Arts, Akron |
| - <i>ACCESS / ExxonMobil Teacher Grant Awards</i> | -Kris Grubaugh-Lisk, Akron Digital Academy, Akron -Debbie Dodson, Greater Summit County Early Learning Center, Akron -Teresa Sopko, Rootstown Elementary School, Rootstown -Monique Binkley, Garfield High School, Akron |
| - <i>ACCESS Teacher Grant Awards</i> | -Rich Ettinger, Woodridge High School, Peninsula -April Nenadal, Aurora High School, Aurora -Elaine Dria, Our Lady of the Elms School, Akron -Melissa Cantanese, Debbie Schwertner Ginny Habig, Hillcrest Elementary School, Richfield |





| | |
|---|--|
| • <i>Honors & Awards (continued)</i> | -Mr Robert Osterhout President-Elect, ACESS |
| -ExxonMobil / ACESS Scholarship Award | -Jonathan Best, Kent State University |
| -Bridgestone Americas / ACESS Scholarship Award | -Steven Vesey, The University of Akron |
| -OMNOVA / ACESS Scholarship Awards Presented by Dr Ray Weinert, OMNOVA Solutions Inc | -Timothy Money Penny II, The University of Akron -Jessica Ripple, The University of Akron |
| -ACS Chemistry Scholarships Presented by Dr Sugunda Rachakonda, ACS | -Daniel Fakhoury, Hiram College -Kelly Materna, Kent State University -Andrew Dickerson, Malone University -Emily Loosli, Mt Union College -Elizabeth Crookstan, The University of Akron -Jordan Groubert, Walsh University |
| -Gene Easter Award for Exemplary High School Chemistry Teaching Introduced by Dr Sugunda Rachakonda, ACS | -Fonda Jean Morgan, Perry High School, Massillon |
| -ACS Chemistry Olympiad - National Exam Recognition Presented by Dr Sugunda Rachakonda, ACS | -Brian Coventry, Jackson High School, Jackson Twp |
| -SPE Special Merit Scholarships Presented by Mr Kevin Malpass, SPE | -Kathleen Angel, The University of Akron -Samantha Moskowitz, The Ohio State University -Alex Pianalto, The University of Akron -Meredith Scott, The Ohio State University |
| -SPE Ken Sharp Memorial Scholarship Presented by Mr Kevin Malpass, SPE | -Matthew Konderson, The Ohio State University |
| -SPE Jim Steiner Memorial Scholarship Presented by Mr Kevin Malpass, SPE | -Alexander Schaefer, The University of Akron |
| -SPE Rubbermaid Scholarship Presented by Mr Kevin Malpass, SPE | -Andrew McBain, Purdue University |
| -SPE Goodyear Scholarship Presented by Mr Kevin Malpass, SPE | -Brian Phillips, The Ohio State University |
| -SPE Wonders of Plastics Essay Contest Presented by Mr Kevin Malpass, SPE | -Middle School Carly Huthmacher, North Canton Middle School -High School Stefan Harrigan, Hoover High School |
| -SPE Plastics Hall of Honor Inductee Presented by Mr Kevin Malpass, SPE | -Joe Mattingly, The Goodyear Tire & Rubber Co |
| -SPE William C Zekan Memorial Award Presented by Mr Kevin Malpass, SPE | -Reza Sadeghi, A Shulman Co |
| -ACESS Award | -Dr Missi Zender-Sakach Science Consultant, K-College Summit County Educational Service Center |
| -Distinguished Award of Council | -Dr Barry M Rosenbaum Senior Fellow The University of Akron Research Foundation |
| • <i>Closing Remarks</i> | -Dr Lloyd Goettler |





**2012-2013
ACCESS OFFICERS**

| | | |
|----------------------------|------------------------------|--------------------------|
| President: | Lloyd Goettler, PhD SPE | Retired |
| President-Elect | Robert Osterhout, PE IEEE | Lanier Consulting LLC |
| Treasurer: | Gregg Loesch, PE ASCE | City of Akron |
| Secretary: | Robert Erdman APC | Retired |
| Executive Director: | Anoop Krishen, PhD ACS | Retired |

ACCESS COMMITTEE CHAIRS

| | |
|--|---|
| <u>AUDIT</u> Walt Ruthenburg, AIChE | <u>EDUCATION</u> Ken Batcher, PhD, ACM |
| <u>BANQUET</u> Mike Buza, ASME Bill Kessler, SME | <u>HONORS & AWARDS</u> Marian Rousek, ACS |
| <u>COMMUNICATIONS</u> Ken Batcher, PhD, ACM | <u>STUDENT OUTREACH</u> Katrina Halasa, PhD, ACS |
| <u>COMMUNITY RELATIONS</u> Brent Sisler, PE, ADSPE, ASME | <u>STRATEGIC PLANNING</u> Anoop Krishen, PhD, ACS |

ACCESS DELEGATES

| | |
|--|---|
| <u>ACM:</u> Ken Batcher, PhD, Delegate | <u>ASHRAE:</u> Jenny Richardson, Chair Greg Drensky, Delegate Eric Wright, Delegate |
| <u>ACS:</u> Sugunda Rachakonda, PhD, Chair David Perry, PhD, Delegate Marian Rousek, Delegate | <u>ASME:</u> Cara Adams, Chair Mike Buza, Delegate James Parish, PE, Delegate |
| <u>ADSPE:</u> David Tschantz, PE, President Mark Elicker, PE, Delegate Dwayne Groll, PE, Delegate | <u>ASSE:</u> Thomas Babyak, President Eric Halverson, Delegate Howland Davis, Delegate |
| <u>AIChE:</u> Tom Flynn, Chair Joe Feil, Delegate Walt Ruthenburg, Delegate | <u>IEEE:</u> Gary Lanier, PE, Chair Malissa Clingman, Delegate Robert Osterhout, Delegate |
| <u>APC:</u> Ernst von Meerwall, Chair Dan Galehouse, Delegate Robert Erdman, Delegate | <u>SME:</u> Bill Kessler, Chair Bill Marzich, PE, Delegate |
| <u>ASCE:</u> James Mitchell, PE, President Gregg Loesch, PE, Delegate | <u>SPE:</u> Kevin Malpass, President David Schultz, Delegate Lloyd Goettler, PhD, Delegate |

AKRON COUNCIL OF ENGINEERING AND SCIENTIFIC SOCIETIES (ACCESS)

The purpose of the Akron Council of Engineering and Scientific Societies (ACCESS) is to enhance the technical environment in the Greater Akron area through coordination and cooperation with technical societies, industry and academia by:

- Providing a forum for action on matters of concern and interest to the technical and scientific communities.
- Serving as a focal point for contact between the technical community and the business community, academia and society at large.
- Promoting inter-society communication, professional interchange of ideas and coordination of society activities.
- Promoting interest in and encouraging careers in technical professions.

ACCESS is a non-profit 501(c)(3) organization, incorporated under the laws of the State of Ohio, operating exclusively for scientific and educational purposes.

Societies eligible for council membership are professional technical organizations with acceptable ethical standards, which have, as their objectives, the advancement of the theory and practice of the science concerned. Societies include:

- Akron-Canton Section of the American Society of Civil Engineers (ASCE)
- Akron District Society of Professional Engineers (ADSPE)
- Akron Physics Club (APC)
- Akron Section of the American Chemical Society (ACS)
- Akron Section of the American Institute of Chemical Engineers (AIChE)
- Akron Section of the American Society of Mechanical Engineers (ASME)
- Akron Section of the Institute of Electrical and Electronic Engineers (IEEE)
- American Society of Heating, Refrigerating, & Air Conditioning Engineers (ASHRAE)
- American Society of Safety Engineers (ASSE)
- Association for Computing Machinery (ACM)
- Society of Manufacturing Engineers (SME)
- Society of Plastics Engineers (SPE)



2012-2013
ACCESS ADVISORY COUNCIL

| | |
|------------------------------|--|
| • Dr Michael Askew | Director, Walter A Hoyt Jr Musculoskeletal Research Laboratory, Dept of Orthopaedic Surgery, Summa (Retired) |
| • Dr Raj Chowdhury | Professor College of Technology, Kent State University |
| • Mr Michael Ferncez, PE | Director, Transmission & Substation Services FirstEnergy Service Company |
| • Mr Robert Handelman | Chief Executive Officer Chemstress Consultant Company |
| • Ms Sheila King | Senior Project Engineer Rockwell Automation |
| • Dr William Landis | G Stafford Whitby Chair in Polymer Science Dept of Polymer Science, The University of Akron |
| • Dr George Newkome | Vice President for Research The University of Akron |
| • Mr Clark Reed | Chief Technologist Lockheed Martin Corporation (Retired) |
| • Ms Mary Ann Roach | Community Affairs Bridgestone Americas Technical Center |
| • Dr Nick Triantafillopoulos | Manager & Fellow, Akron Technology Center OMNOVA Solutions Inc |

The ACCESS Advisory Council consists of six or more business and/or technical leaders of the Greater Akron Area who are selected annually by the ACCESS President. The purpose of the Advisory Council is to act in an advisory capacity to the ACCESS Board of Directors.

Members of the Advisory Council are also available, as needed, to assist the ACCESS Board of Directors in the accomplishment of ACCESS objectives. The Board of Directors of ACCESS expresses thanks to the Advisory Council members for their time and assistance.

2012 ACCESS HONORS & AWARDS
BANQUET COMMITTEE

| | |
|---|--|
| • Ken Batcher, PhD, ACM | Retired |
| • Mike Buza, ASME | Committee Co-Chair, Retired |
| • George Deisz, ACS | Retired |
| • Michael Dowell, PhD, ACS | John Hay High School |
| • Joseph Feil, AIChE | Retired |
| • Lloyd Goettler, PhD, SPE | Retired |
| • Katrina Halasa, PhD, ACS | Akron Public Schools |
| • Bill Kessler, SME | Committee Co-Chair, Retired |
| • Anoop Krishen, PhD, ACS | Retired |
| • Gregg Loesch, PE, ASCE | City of Akron |
| • Robert Osterhout, IEEE | Lanier Consulting, LLC |
| • Mary Ann Roach, ACCESS Advisory Council | Bridgestone Americas Technical Center |
| • Marian Rousek, ACS | Retired |
| • Brent Sisler, PE, ADSPE, ASME | The Babcock & Wilcox Company |
| • Missi Zender-Sakach, PhD, ACS | Summit County Educational Service Center |



OUTSTANDING STUDENTS **from High Schools in Summit County**



Recognition is extended to the following math and science students from high schools in Summit County.

| SCHOOL | STUDENTS |
|---------------------------------------|---|
| • <i>Akron Early College, Akron</i> | -Anya Tran -Kevin Logsdon |
| • <i>Buchtel High School, Akron</i> | -Myeisha Fry -Steven Foster |
| • <i>East High School, Akron</i> | -Destiny Giner -Andrew Tennant |
| • <i>Ellet High School, Akron</i> | -Kristy Kester -Ryan Gerrow |
| • <i>Firestone High School, Akron</i> | -Sarah Lundell -Joseph Chadbourne |
| • <i>Garfield High School, Akron</i> | -YooYee Vorasane -Terrance Sommerville |
| • <i>Kenmore High School, Akron</i> | -Roseanna Helmick -Jaremy Hartler |
| • <i>North High School, Akron</i> | -Erica Cantrell -Ryan Cantrell |
| • <i>Barberton High School</i> | -Alycia Stobaugh -Daniel McQuaide |
| • <i>Copley High School</i> | -Emily Helfer -Alan Du |
| • <i>Coventry High School</i> | -Isabelle Giacoma -Kyle Forsythe |
| • <i>Cuyahoga Falls High School</i> | -Ivy Brosch -Alex Konic |
| • <i>Green High School</i> | -Lauren Braswell -Ryan Kramanak |
| • <i>Hudson High School</i> | -Connie Gan -Zach Teed |
| • <i>Manchester High School</i> | -Briana Vamosi -Matt Wilson |
| • <i>Mogadore High School</i> | -Meagan Alexander -Robert Whitmer |
| • <i>Nardon Hills High School</i> | -Beth McMasters -Zach Zuercher |
| • <i>Norton High School</i> | -Megan Tomic -Daniel Mann |
| • <i>Revere High School</i> | -Evelyn Troutman -Chris Pollard |
| • <i>Springfield High School</i> | -Courtney Looney -Brody Westover |



OUTSTANDING STUDENTS **from High Schools in Summit County**



(continued)

Recognition is extended to the following math and science students from high schools in Summit County.

| SCHOOL | STUDENTS |
|--|---|
| • <i>Stow-Munroe Falls High School</i> | -Shannon Hoffman -Brett Becjek |
| • <i>Tallmadge High School</i> | -Christa Wilk -Troy Stricker |
| • <i>Twinsburg High School</i> | -Taylor Garrett -Andrew Lifyandchick |
| • <i>Woodridge High School</i> | -Paige Graham -Steven Cunningham |
| • <i>Archbishop Hoban High School</i> | -Lauren Whitehouse -Matthew Onders |
| • <i>Our Lady of the Elms High School</i> | -Chloe Hillard -Christina Graziano |
| • <i>Walsh Jesuit High School</i> | -Renee Mirka -Joseph Sinopoli |
| • <i>St Vincent St Mary High School</i> | -Amanda Burke -Vincenzo Volpe |
| • <i>Cuyahoga Valley Christian Academy</i> | -Natalie Silk -Nathan Wesley |



SCIENCE FAIR WINNERS

Best of Show Akron Science & Technology Expo

Middle School – Jacob Rich won the ACESS Award for the outstanding project at the Akron Science & Technology Expo held at the North High School on January 28, 2012. The title of his project was “Microbiology of Household Bacteria, What is Living with You?”. Jacob is currently in the 7th grade at the National Inventors Hall of Fame School in Akron, Ohio. His science advisor was Mr Curt Crews.

High School – Alena Veigl won the ACESS Award for the outstanding project at the Akron Science & Technology Expo held at the North High School on January 28, 2012. The title of her project was “Determining Sugar Content through It’s Refractive Index”. Alena is currently in the 10th grade at Firestone High School in Akron, Ohio. Her science advisor was Mr Edward Cauffield.

Best of Show 64th Western Reserve District 5 Science Day

Mitchell Pallaki won the ACESS Award for the outstanding project at the 64th Western Reserve District 5 Science Day held at The University of Akron on March 17, 2012. The title of his project was “The Optimal Wind Farm Configuration Analysis”. Mitchell is currently in the 9th grade at St Raphael School, Avon Lake. His science advisor was Mrs Debra Singleton.



ACCESS GRANT AWARD WINNERS

ACCESS recognizes the need for students to carry out experiments and projects to further math or science education at their school. One-time grants of \$500 are being awarded to ten teachers based on their grant applications.

| | |
|---|---|
| <u>Place Value Scrabble</u> | |
| Sponsored by ACCESS / OMNOVA | |
| Janeen Beresh | Lawndale Elementary School, Akron |
| <u>Differentiating Math</u> | |
| Sponsored by ACCESS / OMNOVA | |
| Karen Hazlett | Miller South School for the Visual & Performing Arts, Akron |
| <u>Pathways to Biology</u> | |
| Sponsored by ACCESS / ExxonMobil | |
| Kris Grubaugh-Lisk | Akron Digital Academy, Akron |
| <u>From Milkweed to Monarch</u> | |
| Sponsored by ACCESS / ExxonMobil | |
| Debbie Dodson | Greater Summit County Early Learning Center, Akron |
| <u>Weather Station</u> | |
| Sponsored by ACCESS / ExxonMobil | |
| Teresa Sopko | Rootstown Elementary School, Rootstown |
| <u>Designing a Student Zoo</u> | |
| Sponsored by ACCESS / ExxonMobil | |
| Monique Binkley | Garfield High School, Akron |
| <u>Growing Scientific Inquiries through Hydroponic Gardening</u> | |
| Sponsored by ACCESS | |
| Rich Ettinger | Woodridge High School, Peninsula |
| <u>Encouraging STEM through Science Olympiad</u> | |
| Sponsored by ACCESS | |
| April Nenadal | Aurora High School, Aurora |
| <u>Girls Building Science</u> | |
| Sponsored by ACCESS | |
| Elaine Dria | Our Lady of the Elms School, Akron |
| <u>Marble Mania</u> | |
| Sponsored by ACCESS | |
| Melissa Cantanese Debbie Schwertner Ginny Habig | Hillcrest Elementary School, Richfield |





ExxonMobil / ACESS SCHOLARSHIP AWARD

One \$1,500 scholarship is awarded each year to a deserving student at either The University of Akron or Kent State University. To be eligible, the student must be a junior and working toward a four-year degree in a technical area that is related to at least one of the areas represented by ACESS member societies.

**Jonathan Best
Computer Science
Kent State University**

BRIDGESTONE AMERICAS / ACESS SCHOLARSHIP AWARD

One \$1,500 scholarship is awarded this year to a student at The University of Akron.

**Steven Vesey
Construction Engineering Technology
The University of Akron**

OMNOVA / ACESS SCHOLARSHIP AWARD WINNERS

Two \$1,500 scholarships are awarded this year to students at The University of Akron by Dr Ray Weinert, Technology Manager & Fellow, OMNOVA Solutions Inc.



**Timothy Moneypenny II
Chemistry**

**Jessica Ripple
Chemical Engineering**

Pursuing studies in a STEM field next year?



The Akron Area Engineers Week Group awards scholarships for qualified students (high school and/or undergraduate college students)

Interested?

Get details and apply at:

<http://www.akroneweek.org/scholarship.htm>



ACS CHEMISTRY SCHOLARSHIPS



Each year the Akron Section of the American Chemical Society (ACS) provides six \$500 scholarships to outstanding junior Chemistry majors in nearby colleges and universities. This year's winners are:

| | |
|---|--|
| Hiram College Daniel Fakhoury Dr Jim Kercher, Advisor | Mt Union College Emily Loosli Dr Jeffrey Draves, Advisor |
| Kent State University Kelly Materna Dr Mietek Jaronec, Advisor | The University of Akron Elizabeth Crookstan Dr Clair Tessier, Advisor |
| Malone University Andrew Dickerson Dr Jeffrey Goff, Advisor | Walsh University Jordan Groubert Dr Michael Dunphy, Advisor |



ACS 2012 GENE EASTER AWARD for EXEMPLARY HIGH SCHOOL CHEMISTRY TEACHING

Fonda Jean Morgan, Perry High School, Massillon, Ohio

The Gene Easter Award was established in 1995 by the Akron Section of the American Chemical Society to recognize an outstanding chemistry teacher at the high school level who combines innovative and relevant methods of presenting chemistry subjects in order to illustrate the importance of chemistry in our everyday lives. The award is named after Gene Easter who taught chemistry at Streetsboro High School.

ACS 2012 CHEMISTRY OLYMPIAD NATIONAL EXAM RECOGNITION

Brian Coventry, Jackson High School, Jackson Township



STEM SHOWCASE (Science, Technology, Engineering, Math)



Colleges, Universities and Organizations represented at the
ACCESS Honors & Awards Banquet

Ashland University
Hiram College
Kent State University
The University of Akron



SPE SCHOLARSHIPS



Each year the Society of Plastics Engineers (SPE) awards scholarships to deserving students. This year's winners are:

Special Merit Scholarships

Kathleen Angel, The University of Akron
Samantha Moskowitz, The Ohio State University
Alex Pianalto, The University of Akron
Meredith Scott, The Ohio State University

Ken Sharp Memorial Scholarship

Matthew Konderson, The Ohio State University

Jim Steiner Memorial Scholarship

Alexander Schaefer, The University of Akron

Rubbermaid Scholarship

Andrew McBain, Purdue University

Goodyear Scholarship

Brian Phillips, The Ohio State University



SPE Akron Section

WONDERS OF PLASTIC ESSAY CONTEST

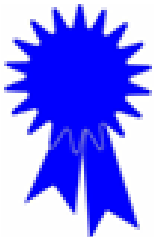


Middle School

Carly Huthmacher, 7th grade, North Canton Middle School
"Plastics on Our Planet"
Teacher – Valerie Heban

High School

Stefan Harrigan, 11th grade, Hoover High School
"Plastics: Innovation for Our Future, Seen Today"
Teacher – Steven Wood



SPE PLASTICS HALL OF HONOR INDUCTEE

Joe Mattingly for his contributions
to the blending and compounding of polymers
during his work at The Goodyear Tire and Rubber Company

SPE WILLIAM C ZEKAN MEMORIAL AWARD

Reza Sadeghi, A Shulman Company
for his involvement and leadership
with the Akron SPE Board of Directors, particularly concerning membership



BANQUET SPEAKER

DR DONALD P VISCO, JR

Associate Dean for Undergraduate Studies
Professor of Chemical and Biomolecular Engineering
The University of Akron

“The University of Akron Engineering Experience: How Student Design Teams and Co-Operative Education Help Make a Successful Student”

The College of Engineering at The University of Akron (UA) has undergone unprecedented growth recently. Since 2004, undergraduate enrollment is up 95%, making it the 4th fastest growing College of Engineering in the United States of schools with more than 2000 engineering students (there are 87). More and more employers in the region and beyond are attending career fairs at UA to hire these students and comment that graduates from UA Engineering are ready to “hit the ground running”. A few of the main aspects of the “Akron Engineering Experience” that lead to the skills in demand by employers are presented. In particular, the successful Student Design Teams and the Co-Operative Education experience will be highlighted. Students who have participated in these experiences will be on hand to comment on how these experiences have impacted their education and their career. Students include:.....Connie Hollo, Civil Engineering, Parma, OH

Kevin Knapp, Chemical Engineering, Randolph, OH

Michan Limbacher, Mechanical Engineering, Stone Creek, OH

Additionally, an overview of all engineering programs at The University of Akron will be provided with comments from Deanna Dunn, Director, Engineering Co-Op and Placement.

THE ACCESS AWARD

The ACCESS Award is presented annually to an individual who has made an outstanding contribution to the Akron Council of Engineering & Scientific Societies (ACCESS). The 2012 recipient of this award is Dr Missi Zender-Sakach.

Dr Zender-Sakach commenced her career in education in 1989. She is currently employed with the Summit County Educational Service Center (ESC) as a Science Consultant to over fifty school districts in the state of Ohio. Her primary role at the ESC is to support school districts and their teachers in the teaching and learning of science inquiry and content. She received her doctorate from The University of Akron in 2002.



Dr Zender-Sakach is committed to improving science education at both the local, state and national levels. She has previously served as an elected Board Member and Treasurer for both the Cleveland Regional Council of Science Teachers and the Science Education Council of Ohio. She has been a Science Coach for the Ohio Department of Education and Stanford University’s Ohio Performance Assessment Project and was a member of the Ohio Science Standards Writing Committee. She currently serves on the Membership Committee for the National Science Education Leadership Association and as a member of the Advisory Council for the American Geological Institute. Dr Zender-Sakach has served as the ACCESS Secretary and is currently Past-President of ACCESS.

THE DISTINGUISHED AWARD OF COUNCIL

The Distinguished Award of Council is presented annually to an outstanding citizen for his/her technical and managerial achievements and involvement in civic activities. The 2012 recipient of this award is Dr Barry M Rosenbaum, Senior Fellow, The University of Akron Research Foundation.



Dr Rosenbaum received his Doctorate in 1967 from Northwestern. After 23 years at Exxon as Product Manager for Butyl, Technical Director EPDM/Butyl and Business Manager for EPDM, eight years at GenCorp/OMONOVA Solutions Inc as VP Technology and with seven patents, membership in AIChE and the ACS Rubber Division, also representative to International Institute of Synthetic Rubber Producers (IISRP) and the International Research Institute (IRI), Dr Rosenbaum continues to serve our community in many capacities.

In 2005, Dr Rosenbaum retired as a corporate executive in order to become a Senior Fellow at the University of Akron Research Foundation (UARF). Since that time and under the broad UARF umbrella that he helped create, he has attracted a growing cadre of like-minded executives who provide leadership, wisdom and council to the President and administration of UA, its colleges, faculty and students in areas of technology, innovation, entrepreneurship and business.

As a Senior Fellow, Barry works as a *pro-bono volunteer* (typically 80 hours per week) for the betterment of the region, working to create unique yet sustainable models of value creation. As an *embedded executive*, he leverages corporate partnerships and interests to drive high-potential technology based economic development. As *agent provocateur*, he is an outspoken voice for developing an entrepreneurial cultural through disruptive change to traditional organizational. As *chief architect* for UARF and its industrial collaborations, he leverages an open-innovation network of like-minded visionaries to commercialize high potential technologies and revitalize regional vitality. As a *Guerrilla Entrepreneur without Borders*, he builds educational collaborations and business ventures with major international universities, governments and enterprises. And, as *head cheerleader*, he is the most passionate advocate for the Greater Akron region, advancing the incredible value of the “Akron Model” throughout the state and nation.

A big voice and an even bigger heart, Dr Rosenbaum is outspoken about the opportunities to impact regional growth and vitality through Technology Based Economic Development, Open Innovation and the enormous power of collaborations self-initiated by like minded partners. Barry is known regionally, nationally and globally for his energy, commitment and vision, and for his selfless efforts to lead us all, sometimes kicking and screaming, to push ourselves, to make others successful and to become the best-in-class at whatever we undertake.



OMNOVA Solutions Foundation's (OSF) highest priority is education. OSF wants to help motivate our future leaders and workers to gain the desire, knowledge and work-readiness skills required for corporations like theirs. The Foundation offers two \$1500 scholarships and two \$500 teacher grants.



Bridgestone Americas

— T R U S T F U N D —



The Bridgestone Americas Trust Fund is pleased to support ACESS in their efforts to promote careers in science and engineering. The Trust Fund offers one \$1,500 scholarship.



ExxonMobil *Chemical*

A special thanks to ExxonMobil Chemical Company for their generous gift to support the activities of ACESS! ExxonMobil Chemical sponsors one \$1,500 scholarship and four \$500 teacher grants.

**The Akron Council of Engineering & Scientific Societies
gratefully acknowledges the financial support
of the following organizations:**



**Akrochem Corporation
Akron Canton Section American Society of Civil Engineers
Akron District Society of Professional Engineers
Akron Section American Chemical Society
Akron Section American Society of Mechanical Engineers
Akron Section Society of Plastics Engineers
Babcock & Wilcox Power Generation Group, Inc
Bridgestone Americas Trust Fund
Chemstress Consultant Company
Eagle Elastomer Inc
ExxonMobil Chemical Company
Hottle and Associates
Lockheed Martin Corporation
OMNOVA Solutions Foundation
Society of Manufacturing Engineers
Summit County Educational Service Center
The University of Akron Research Foundation**

