



72nd Annual ACCESS

HONORS & AWARDS BANQUET



ACS American Chemical Society

ADSPE Akron District Society of Professional Engineers

AIA Archaeological Institute of America

AICHE American Institute of Chemical Engineers

APC Akron Physics Club

ASCE American Society of Civil Engineers

ASHRAE American Society of Heating, Refrigerating and Air Conditioning Engineers

ASME American Society of Mechanical Engineers

ASSP American Society of Safety Professionals

IEEE Institute of Electrical and Electronic Engineers

MSNO Microscopy Society of Northeast Ohio

Rubber Division, American Chemical Society

SME Society of Manufacturing Engineers

SPE Society of Plastics Engineers

ACCESS-ible Affiliate

YP Young Professionals Affiliate



www.ACCESSinc.org



Thursday, November 7, 2019

**Akron Council of
Engineering & Scientific Societies**

Guy's Party Center

**72nd ANNUAL
ACCESS HONORS & AWARDS BANQUET PROGRAM**

Guy's Party Center

November 7th, 2019

• <i>Welcome, Opening Remarks</i>	-Sheila King President, ACCESS
Dinner	
• <i>Banquet Introductions</i> -ACCESS Advisory Council	-Sheila King President, ACCESS
• <i>Banquet Introductions</i> -Speakers	-Sheila King President, ACCESS
• <i>Speakers</i>	-EbaNee Bond
“From STEM to Startup” and Three STEM Startups: AutoApp by Kyle Flynn Shear Force Mat by Tianyi Guo Natraverse by Colleen Unsworth	
• <i>Outstanding High School Student Science / Math Awards</i> -Presentation of Certificates of Recognition to Outstanding Students from High Schools in Summit County and the Summit Educational Services	-Dr Missi Zender-Sakach President-Elect, ACCESS -Certificates presented by Sheila King / Dr David Perry -Winners announced by Dr Missi Zender-Sakach / Dr Katrina Halasa
• <i>Honors & Awards</i>	-Dr Missi Zender-Sakach President-Elect, ACCESS
- <i>Best of Show Akron Science & Technology Expo -Middle School</i>	-Danelle Byun-Johnson, Miller South School for the Visual & Performing Arts, Akron
- <i>Best of Show Akron Science & Technology Expo -High School</i>	-Hannah Adams-Gemmell, Firestone Community Learning Center, Akron
- <i>Best of Show Western Reserve District 5 Science Day -Middle School</i>	-Gabrielle Shainoff, St Rita Middle School, Solon -Nicholas Grizer, St Sebastian Parish School, Akron -Lanelle Butler, Noble Academy – Cleveland Charter School, Euclid
- <i>ACCESS / OMNOVA Teacher Grant Awards</i>	-Andrea Justice, Woodland Elementary School, Stow -Lori Bonk, Lakeview Intermediate School, Stow
- <i>ACCESS / ACS Teacher Grant Award The Anoop Krishen Teacher Grant</i>	-Aimee Gearhart, Immaculate Heart of Mary School, Cuyahoga Falls
- <i>ACCESS / IEEE Teacher Grant Awards</i>	-Sandra Leyden, Immaculate Heart of Mary School, Cuyahoga Falls -Zach Griffith, National Inventors Hall of Fame STEM High School, Akron



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<p>• <i>Honors & Awards (continued)</i></p>	<p>-Dr Missi Zender-Sakach President-Elect, ACESS</p>
<p>-ACCESS / Bridgestone Teacher Grant Awards</p>	<p>-Pat Smith, Indian Trail Elementary School, Stow -Paige Krol, Riverview Elementary School, Munroe Falls -Nicole Piland, Riverview Elementary School, Munroe Falls -Jules Moffitt, Highland Elementary School, Stow</p>
<p>-ACCESS / SPE Teacher Grant Awards</p>	<p>-Tracy Braho, East Community Learning Center, Akron -Anne Farley Schoeffler, Seton Catholic School, Hudson</p>
<p>-ACCESS / Harwick Standard Teacher Grant Award</p>	<p>-Blake Beluscak, Ellet High School, Akron</p>
<p>-ACCESS / Dominion Energy Teacher Grant Awards</p>	<p>-Karen Dolson, Indian Trail Elementary School, Stow -Margie Whetsell, Lakeview Intermediate School, Stow</p>
<p>-ACCESS / Akrochem Corp Teacher Grant Awards</p>	<p>-Sarah Calaway, Lakeview Intermediate School, Stow -Monique Binkley, National Inventors Hall of Fame STEM High School, Akron</p>
<p>-ACCESS / MSNO Teacher Grant Award</p>	<p>-Shawn Dickson, Kimpton Middle School, Munroe Falls</p>
<p>-ACCESS / Anonymous Donor Teacher Grant Award</p>	<p>-Desiree' Reynolds, Buchtel Community Learning Center, Akron</p>
<p>-ACCESS – <i>Theken Scholarship Award</i></p>	<p>-Abigail Kraft, The University of Akron</p>
<p>-<i>Edwin S Gould Memorial Scholarship Award</i></p>	<p>-Samantha Horwitz, Kent State University</p>
<p>-OMNOVA / ACESS Scholarship Award</p>	<p>-Alex Nguyen, The University of Akron -Michael Ricci, The University of Akron</p>
<p>-<i>Gene Easter Award</i> <i>for Exemplary High School Chemistry Teaching</i> Presented by Dr Michael Fricke, ACS</p>	<p>-Mr Peter Carpico, Louisville High School, Louisville</p>
<p>-<i>ACCESS Service Award</i> Presented by Dr Michael Dowell</p>	<p>-Mr Brent Sisler, PE Retired, The Babcock & Wilcox Company Akron District Society of Professional Engineers Akron Section of the American Society of Mechanical Engineers</p>
<p>-<i>ACCESS Award</i> Presented by Dr Missi Zender-Sakach</p>	<p>-Mr David Schultz Technical Editor, RubberWorld Technical Director, Retired, Harwick Standard Society of Plastics Engineers</p>
<p>-<i>Distinguished Award of Council</i> Presented by Sheila King, President, ACESS</p>	<p>-Mr Mark Gerberich President & CEO International Soap Box Derby®</p>
<p>• <i>Closing Remarks</i></p>	<p>-Sheila King President, ACESS</p>



2019-2020 ACESS OFFICERS

President:	Sheila King IEEE	Rockwell Automation
President-Elect:	Dr Missi Zender-Sakach SPE	Summit Educational Service Center
Treasurer:	Dr Michael Dowell ACS	Retired
Administrator:	David Schultz SPE	RubberWorld
Executive Director:	Dr David Perry ACS	Retired

ACESS COMMITTEE CHAIRS

<u>AUDIT & FINANCE</u> Michael Dowell, PhD, ACS	<u>SOCIAL MEDIA</u> Cara Adams, ASME
<u>BANQUET</u> Bill Kessler, SME	<u>SPEAKERS BUREAU</u> Gregg Loesch, PE, ASCE
<u>EDUCATIONAL FUND RAISING</u> Michael Askew, PhD, ASME	<u>STRATEGIC PLANNING</u> Robert Erdman, APC
<u>COMMUNITY RELATIONS</u> Dan Jones, PhD, SPE	<u>K-12 STUDENT OUTREACH</u> Katrina Halasa, PhD, ACS Missi Zender-Sakach, PhD, SPE
<u>HONORS & AWARDS; GRANTS</u> Marian Rousek, ACS	<u>WEBMASTER, COMMUNICATIONS</u> Sheila King, IEEE

ACESS DELEGATES

<u>ACS:</u> Michael Fricke, PhD, Chair David Perry, PhD, Delegate Marian Rousek, Delegate	<u>ASME:</u> Edward Seroka, Chair Cara Adams, Delegate James Parish, PE, Delegate
<u>ACS Rubber Division:</u> Nicole Neila, Assistant	<u>ASSP:</u> Michael Eberhart, President Devon Donahue, Delegate George Shay, PE, Delegate
<u>ADSPE:</u> David Tschantz, PE, President Matthew Sejba, PE, Delegate Brian Makan, PE, Delegate	<u>IEEE:</u> Jim Dowey, Chair Nicholas Wagner, Delegate
<u>AIA:</u> Elisha Dumser, PhD, President Timothy Matney, PhD, Delegate Jerrad Lancaster, PhD, Delegate	<u>MSNO:</u> Virgil Solomon, PhD, President Richard Kus, Delegate Putu Ustriyana, Delegate
<u>AICHe:</u> Bartev Sakadjian, Chair Joe Feil, Delegate	<u>SME:</u> Bill Kessler, Chair
<u>APC:</u> Robert Erdman, Chair Dan Galehouse, Delegate	<u>SPE:</u> Larry Stanek, President Daniel Jones, PhD, Delegate David Schultz, Delegate
<u>ASCE:</u> Gregg Loesch, PE, President Reneé Whittenberger, PE, Delegate	<u>ACESS-ible AFFILIATE:</u> Sheila King, Chair
<u>ASHRAE:</u> Chad Russell, President Chad Montgomery, Delegate	<u>YP AFFILIATE:</u> Luke Anderson, Delegate



2019-2020
ACCESS ADVISORY COUNCIL

• Mr Robert Handelman	Chief Executive Officer Chemstress Consultant Company
• Dr George Haritos	Colonel, USAF, Retired Professor, Department of Mechanical and Civil Engineering The University of Akron
• Mr Joe Mattingly	Global Technology Project Management Advisor The Goodyear Tire & Rubber Company
• Dr Carla McBain	Technology Director, Specialty Coatings and Ingredients OMNOVA Solutions
• Mr Edward Seroka	Senior Engineer Bridgestone Americas Tire Operations
• Mr Randy Theken	Founder Theken/NextStep Companies

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.



2019 ACCESS HONORS & AWARDS
BANQUET COMMITTEE

• Michael Askew, PhD, ASME	Retired
• George Deisz, ACS	Retired
• Michael Dowell, PhD, ACS	Retired
• Joseph Feil, AIChE	Retired
• Katrina Halasa, PhD, ACS	Akron Public Schools
• Dan Jones, SPE	Available Polymer Scientist
• Bill Kessler, SME	Chair, Retired
• Sheila King, IEEE	Rockwell Automation
• Gregg Loesch, PE, ASCE	City of Akron
• Marian Rousek, ACS	Retired
• Missi Zender-Sakach, PhD, SPE	Summit Educational Service Center



OUTSTANDING HIGH SCHOOL STUDENTS

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

SCHOOL	STUDENTS
• <i>Akron Early College High School, Akron</i>	- Chika Nkwocha - David Luong
• <i>Buchtel Community Learning Center, Akron</i>	- Drew Oliver - Kevin Hernandez
• <i>East Community Learning Center, Akron</i>	- Jessalyn Sakacsi - Steven Boyer
• <i>Ellet High School, Akron</i>	- Kelly Jo Snyder - Jackson Grove
• <i>Firestone Community Learning Center, Akron</i>	- Victoria Lorenzon - Max Newman
• <i>Kenmore-Garfield High School, Akron</i>	- Jesire Bushner - Luke Fielding
• <i>National Inventors Hall of Fame STEM High School, Akron</i>	- Suavay Cargill - Nicholas Limbach
• <i>North High School, Akron</i>	- Alisha Tamang - Nsenga Hakizimana
• <i>Barberton High School</i>	- Megan Schanz - Nicholas Vierheller
• <i>Copley High School</i>	- Marinna Hill - Adam (AJ) Lampner
• <i>Coventry High School</i>	- Carson Karakis - Ravel Ray
• <i>Cuyahoga Falls High School</i>	- Meredith Gallagher - Sterling Hanselman
• <i>Field High School</i>	- Brianna Bish - Blaise Frascella
• <i>Green High School</i>	- Kendall Anenson - Nathan Applebee
• <i>Hudson High School</i>	- Cynthia Snyder - Fergus Gomersal
• <i>Manchester High School</i>	- Amber Fox - Brett Salisbury
• <i>Mogadore High School</i>	- Jackson Slepoy - David Wolverton
• <i>Nordonia Hills High School</i>	- Madison Buckles - Jonathon Carozza
• <i>Norton High School</i>	- Sydney Iceman - Angelo Indre
• <i>Revere High School</i>	- Keri Tomechko - Michael Tomechko



OUTSTANDING HIGH SCHOOL STUDENTS

Recognition is extended to the following math and science students from high schools in Summit County and the Summit Educational Services
(continued)

SCHOOL	STUDENTS
• <i>Springfield High School</i>	- Antonia Bala - Tyler Hoxworth
• <i>Stow-Munroe Falls High School</i>	- Ocean Noland - Zach Stratton
• <i>Tallmadge High School</i>	- Rory Murphy - Nick Musci
• <i>Twinsburg High School</i>	- Rebecca Mold - Zach Georgevich
• <i>Archbishop Hoban High School</i>	- Ayaka Coffman - Michael Bowling
• <i>Cuyahoga Valley Christian Academy</i>	- Emerson McSparran - Aaron Poth
• <i>Our Lady of the Elms High School</i>	- Angela Murrin
• <i>St Vincent-St Mary High School</i>	- Isabelle Davis - Luke Datsko
• <i>Walsh Jesuit High School</i>	- Lauren Lewis - Joseph Onderko, Jr



SCIENCE FAIR WINNERS

Best of Show Akron Science & Technology Expo

Middle School – Danelle Byun-Johnson won the ACESS Award for the outstanding project at the Akron Science & Technology Expo held at North High School on January 26, 2019. The title of her project was “In the World of Bugs”. She is currently in the 8th grade at Miller South for the Visual & Performing Arts in Akron. Her science advisor was Mr David Oravec.

High School – Hannah Adams-Gemmell won the ACESS Award for the outstanding project at the Akron Science & Technology Expo held at North High School on January 26, 2019. The title of her project was “The Effect of Oxybenzone, Octocrylene and Reef Safe Sunscreen on Bioluminescent Dinoflagellates”. She is currently in the 10th grade at Firestone Community Learning Center in Akron. Her science advisor was Ms Krista Bowden.

Best of Show Western Reserve District 5 Science Day

Middle School – Gabrielle Shainoff won the ACESS Award for the outstanding project at the Western Reserve District 5 Science Day held at the University of Akron on March 16, 2019. The title of her project was “9 Ways Immersed: A Paper Towel Absorbency Experiment”. She is currently in the 8th grade at St Rita Middle School, Solon. Her science advisor was Ms Barbara Wilson.

Middle School – Nicholas Grizer won the ACESS Award for the outstanding project at the Western Reserve District 5 Science Day held at the University of Akron on March 16, 2019. The title of his project was “Acid Rain: Impact on Construction Material”. He is currently in 8th grade at St Sebastian Parish School, Akron. His science advisor was Ms Megan Ritchie.

Middle School – Lanelle Butler won the ACESS Award for the outstanding project at the Western Reserve District 5 Science Day held at the University of Akron on March 16, 2019. The title of her project was “Battery Cents”. She is currently in 7th grade at Noble Academy – Cleveland Charter School, Euclid. Her science advisor was Mr Can Guler.

ACCESS TEACHER 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 teachers based on their grant applications. Grants are sponsored by ACCESS Member Societies, Industry and/or Anonymous Donors.

<u>From Counting to Coding!</u>	
Sponsored by ACCESS / OMNOVA	
Andrea Justice	Woodland Elementary School, Stow
<u>Soil Hydroponics</u>	
Sponsored by ACCESS / OMNOVA	
Lori Bonk	Lakeview Intermediate School, Stow
<u>Science STEM Stations</u>	
Sponsored by ACCESS / ACS - The Anoop Krishen Teacher Grant	
Aimee Gearhart	Immaculate Heart of Mary School, Cuyahoga Falls
<u>Coding with Spheros</u>	
Sponsored by ACCESS / IEEE	
Sandra Leyden	Immaculate Heart of Mary School, Cuyahoga Falls
<u>What a Waterful Life: A Hydraulics PBL with Akron Water Supply Bureau</u>	
Sponsored by ACCESS / IEEE	
Zach Griffith	National Inventors Hall of Fame STEM High School, Akron
<u>Heart Heathy for Life</u>	
Sponsored by ACCESS / Bridgestone	
Pat Smith	Indian Trail Elementary School, Stow
<u>Math Manipulations</u>	
Sponsored by ACCESS / Bridgestone	
Paige Krol	Riverview Elementary School, Munroe Falls
<u>Bringing Geometry to Life</u>	
Sponsored by ACCESS / Bridgestone	
Nicole Piland	Riverview Elementary School, Munroe Falls
<u>Exploration into Magnetism</u>	
Sponsored by ACCESS / Bridgestone	
Jules Moffitt	Highland Elementary School, Stow
<u>Grateful Dyeing – An Introduction to Bonding</u>	
Sponsored by ACCESS / SPE	
Tracy Braho	East Community Learning Center, Akron
<u>Protein Synthesis with 3-D Molecular Modeling</u>	
Sponsored by ACCESS / SPE	
Anne Farley Schoeffler	Seton Catholic School, Hudson



ACCESS TEACHER GRANT AWARD WINNERS

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(continued)

<u>Virtual World of Atoms</u>	
Sponsored by ACCESS / Harwick Standard	
Blake Beluscak	Ellet High School, Akron
<u>Energy for our Future</u>	
Sponsored by ACCESS / Dominion Energy	
Karen Dolson	Indian Trail Elementary School, Stow
<u>What's Below our Feet?</u>	
Sponsored by ACCESS / Dominion Energy	
Margie Whetsell	Lakeview Intermediate School, Stow
<u>STEAM and ELA (English Language Arts/Literacy): The Perfect Duo</u>	
Sponsored by ACCESS / Akrochem Corporation	
Sarah Calaway	Lakeview Intermediate School, Stow
<u>Cell Model Design Using Engineering and Biology</u>	
Sponsored by ACCESS / Akrochem Corporation	
Monique Binkley	National Inventors Hall of Fame STEM High School, Akron
<u>Abstract Concepts Need Concrete Tools</u>	
Sponsored by ACCESS / MSNO	
Shawn Dickson	Kimpton Middle School, Munroe Falls
<u>The Inside of a Computer</u>	
Sponsored by ACCESS / Anonymous Donor	
Desiree' Reynolds	Buchtel Community Learning Center, Akron



Pursuing studies in a STEM field next year?

The Akron Area Engineers Week Group awards scholarships for qualified students (STEM Students who will be college undergraduates next year and also Undergraduate Students)



Interested?
Get details and apply at:
akroneweek.org

Please submit your applications by January 10th, 2020

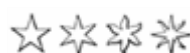




ACCESS – THEKEN SCHOLARSHIP AWARD

One \$1,500 scholarship is awarded each year to a deserving student at The University of Akron. 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 ACCESS member societies.

Abigail Kraft ACCESS - Theken Scholarship	Biomedical Engineering The University of Akron
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EDWIN S GOULD MEMORIAL SCHOLARSHIP AWARD

A \$1,500 scholarship is awarded to a deserving Chemistry student at Kent State University. This scholarship is funded by Carol Gould in memory of her husband, Dr Edwin S Gould, who taught at Kent State University.

Samantha Horwitz	Chemistry Kent State University
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OMNOVA / ACCESS SCHOLARSHIP AWARD WINNERS

Two \$1,500 scholarships are awarded to students at The University of Akron by OMNOVA Solutions Foundation (OSF). OSF wants to help motivate our future leaders and workers to gain the desire, knowledge and work-readiness skills required for corporations like theirs.



Alex Nguyen	Chemistry The University of Akron
Michael Ricci	Chemical Engineering The University of Akron



ACS 2019 GENE EASTER AWARD for EXEMPLARY HIGH SCHOOL CHEMISTRY TEACHING



Mr Peter Carpico
Louisville High School, Louisville



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 was named after Gene Easter who taught chemistry at Streetsboro High School. Mr Peter Carpico is the American Chemical Society 2019 Gene Easter Award winner!



Peter has been teaching Honors Chemistry and Organic Chemistry at Louisville High School for 15 years. He is Chairperson of the Science Department and is an Advisor for the National Honor Society and the Science Club. Peter also currently teaches courses in Chemistry, Gas Properties, Health & Safety, Solid & Hazardous Waste Management, and Student Success at Stark State College in Canton. Aultman College of Nursing in Canton also has Peter teaching the General Chemistry and Physiological Chemistry courses. Previously, he taught at McKinley Senior High School in Canton for 6 years. His classroom includes many innovative twists using “DonnorsChoose” to purchase a MakerBot 3D printer for the design of organic molecules and also to purchase an enameling kiln to add material science like Raku pottery to his chemistry courses. Using an iPad and pH sensor, he created a “Take Home pH Lab Kit” for his students. Peter’s motto is “I give 100% to everything that I do.” Peter definitely proves to be a leading educator in our community!

ACCESS SERVICE AWARD

Brent Sisler

Retired, The Babcock & Wilcox Company
Akron District Society of Professional Engineers
Akron Section of the American Society of Mechanical Engineers



STEM SHOWCASE (Science, Technology, Engineering, Math)



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

Choose Ohio First – The University of Akron

Hiram College

Microscopy Society of Northeast Ohio (MSNO)



BANQUET SPEAKER

EBANEE BOND

Akron Entrepreneurial Fellow
The University of Akron Research Foundation

**“From STEM to Startup”
and Three STEM Startups:
Auto App, KYLE FLYNN
Shear Force Mat, TIANYI GUO
Natraverse, COLLEEN UNSWORTH**

EbaNee Bond is an Entrepreneurial Fellow with The University of Akron Research Foundation where she assists early-stage entrepreneurs navigating business fundamentals. She serves on the deal flow committee for the ARCHAngels Investment Network, on the advisory committee for NECIC’s microloan program and is a member of the Akron Urban League Young Professionals. She earned a Bachelor of Science degree in Mechanical Engineering and a certificate in Professional Sales Engineering from The Notable University of Akron. Currently, she aims to be more empathetic, compassionate and encouraging, especially to those who are striving to make the world a more caring and prosperous place.

EbaNee will talk about the fear of not choosing the correct career path, about how having an innovation and entrepreneurial mindset and skillset, matter more than your major, and how you can leverage your STEM degree with this mindset and skillset to make an impact on the world.

★ Kyle Flynn, Founder of AutoApp, felt that a majority of non-franchised body shops are represented poorly online, which affects potential customer perceptions of them in a negative way. Ultimately, this results in less business and slower growth. His major in Marketing Management with a minor in Entrepreneurship and his passion for Graphic and Web Design made him a valuable asset as a freelancer/entrepreneur. His work helps businesses grow and prosper and in return support the local economies and hardworking people. He provides tools/services to make their dreams a reality!

★Tianyi Guo, Founder of Shear Force Mat, felt that diabetic patients were more likely to have foot sores which can cause medical complications. By measuring (peak) shear force, they could tackle the problem. With a Bachelor degree in Chemical Engineering, Tianyi is pursuing a PhD in Chemical Physics with emphasis on the physical properties of liquid crystals. Physics provided an understanding of phenomena in a direct and simple way!

★Colleen Unsworth, Founder of Natraverse, felt that people with disabilities had a limited access to opportunities every day and that everyone deserved the freedom of movement and opportunity to access more of our world comfortably and confidently. As a Biomimicry Fellow at Integrated Bioscience PhD program at The University of Akron, Colleen studies biomechanics and bio-inspired design. Biomimicry seeks to extend the impact of our scientific understandings by translating concepts we learn from nature and applying them to products that can give back to society. The complex but fascinating patterns and functions found in our natural world are applied to our community and our planet to make a difference in the world!

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 2019 recipient of this award is Mr David Schultz.

David graduated from The University of Akron in 1977 with a degree in Chemistry. He worked on compound development at the Ohio Rubber Company, which included working with the Thiokol Corporation on the Space Shuttle Program. He obtained his Master’s Degree in Polymers under Dr Gary Hamed at The University of Akron while working part time in Applied Research. Thereafter, David began working at Harwick Standard Distribution. Being one of the younger employees in the industry, he learned about raw materials in elastomers, plastics and polymers from his colleagues! Working with Dr Viv Malpass, past President of National SPE, they established the Polymer Ambassadors program. This program taught teachers about polymers, who then took their lessons to their students in the classroom all over the country. He also had the opportunity to teach students directly and provide hands on experiences for them. After 35 years at Harwick, working in Technical Service and as the Technical Director during his last 10 years, he recently retired. He is now working part time as Technical Editor for RubberWorld. He enjoys cycling, triathlons and traveling with his wife Connie.



THE DISTINGUISHED AWARD OF COUNCIL



The Distinguished Award of Council is presented annually to an outstanding citizen or organization for their technical and managerial achievements and involvement in civic activities. The 2019 recipient of this award is Mr Mark Gerberich, President & CEO, International Soap Box Derby®.

Mark Gerberich received his undergraduate degree from St John's University in New York and his Master's Degree in Sport Management from The University of Akron. He has worked in the sports field for 35 years, beginning with 18 years with the Pro Bowlers Tour, of which five years were spent as the Commissioner of the Tour, 10 years with owning and managing sport facilities, four years selling sporting goods, and now President & CEO of the International Soap Box Derby®. He also teaches two sport management classes at The University of Akron. Married to Beth, Mark has three children - Matt, Tom and Joel. He enjoys working out, traveling, and volunteering at his church and in the community.

At the International Soap Box Derby®, Mark leads a team of 10 full time and six part-time employees with a budget of \$1.9 million and operates more than 250 events yearly in this international company that is an 85 year icon brand. The International Soap Box Derby® is a non-profit youth education and leadership development organization whose mission is to build knowledge and character, and to create meaningful experiences through fair and honest racing competitions, STEM curriculums, and other community-focused activities. This summer the Soap Box Derby held the 82nd FirstEnergy All-American World Championship. There were more than 75 events this year at the track with more than 10,000 people experiencing the "Thrill of the Hill". Grants received from many organizations were used for \$120,000 in racing and education programs for Akron Public Schools, Summit County, Stark County and other area non-profits. Programs are in more than 700 schools and impact more than 20,000 students nationally. The digiRacer Derby autonomous car division was created for elementary, middle and high school students. Students are impacted through the building of cars, working collaboratively and learning about STEM education through experiential/hands-on learning.

Mark's empowering and nurturing management style as a sales and marketing executive has resulted in very collaborative brand building among influencers that can create value for all companies with the final result being a benefit for all derby participants and all of the school STEM education programs. Mark brings the right people together and makes things happen for the benefit of STEM! ACESS applauds him on his vision and leadership in the education of our youth today!



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 Section of the American Chemical Society (ACS)
- Akron District Society of Professional Engineers (ADSPE)
- Archaeological Institute of America (AIA)
- Akron Section of the American Institute of Chemical Engineers (AIChE)
- Akron Physics Club (APC)
- American Society of Civil Engineers (ASCE)
- American Society of Heating, Refrigerating, & Air Conditioning Engineers (ASHRAE)
- Akron Section of the American Society of Mechanical Engineers (ASME)
- American Society of Safety Professionals (ASSP)
- Akron/Canton Section of the Institute of Electrical and Electronic Engineers (IEEE)
- Microscopy Society of Northeast Ohio (MSNO)
- Rubber Division, American Chemical Society
- Society of Manufacturing Engineers (SME)
- Society of Plastics Engineers (SPE)
- ACCESS-ible Affiliate
- Young Professionals Affiliate (YP)



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 \$1,500 Scholarships and two \$500 Teacher Grants.



Theken Companies, LLC is pleased to support ACESS in their efforts to promote careers in science and engineering by offering one \$1,500 ACESS – Theken Scholarship.



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 four \$ 500 Teacher Grants.



**The Akron Council of Engineering & Scientific Societies
gratefully acknowledges financial support
of the Student Award Winners by the following Sponsors:**

Akrochem Corporation
Michael Dowell, PhD

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



**Acme Fresh Market
Akrochem Corporation
Akron District Society of Professional Engineers
Akron Public Schools
Akron Section American Chemical Society
Akron/Canton Section of the Institute of Electrical and Electronic Engineers
Akron Section Society of Plastics Engineers
Anonymous Donor
Bridgestone Americas Trust Fund
Chemstress Consultant Company
Crystal Clinic Orthopaedic Center
Dominion Energy
Etactics
FirstEnergy Foundation
Dr Min Gao
The GPD Group
Carol Gould
Harwick Standard Distribution Corporation
Microscopy Society of Northeast Ohio
OMNOVA Solutions Foundation
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