### AKRON COUNCIL OF ENGINEERING AND SCIENTIFIC SOCIETIES 66<sup>th</sup> ANNUAL

### HONORS AND AWARDS BANQUET



## Akron Council of Engineering and Scientific Societies

Incorporated 1946

www.ACESSinc.org





















**Akron Physics Club** 



Thursday, November 7, 2013
Guy's Party Center

### 66<sup>th</sup> ANNUAL **ACESS HONORS & AWARDS BANQUET PROGRAM**

## Guy's Party Center November 7<sup>th</sup>, 2013

Welcome, Opening Remarks	-Dr David Perry President-Elect, ACESS
America the Beautiful	-Kiara Durbin  Dodge Intermediate School, Twinsburg
Dinner	
Banquet Introductions     -ACESS Advisory Council     -Speaker	-Dr David Perry President-Elect, ACESS
Speakers	-Dr Austin Melton, Jr -Brian Katona / David Steinberg / Addison Spriggs
Internships and	
Integrating Business Experiences a	and University Experiences
Outstanding High School Student     Science / Math Awards	-Certificates presented by Dr Anoop Krishen / Dr David Perry
<ul> <li>-Presentation of Certificates of Recognition to Outstanding Students from High Schools in Summit County</li> </ul>	-Winners announced by Dr Missi Zender-Sakach / Dr Katrina Halasa
Honors & Awards	-Dr David Perry President-Elect, ACESS
-Best of Show Akron Science & Technology Expo -Middle School	-Benjamin Pontius Miller South School of the Visual & Performing Arts, Akron
-Best of Show Akron Science & Technology Expo -High School	-Alena Veigl Firestone High School, Akron
-Best of Show Western Reserve District 5 Science Day -Middle School	-Jacob Brawley Stanton Middle School, Kent
-Best of Show Western Reserve District 5 Science Day -High School	-Derek Whiddon St Vincent-St Mary High School, Akron
-ACESS / OMNOVA Teacher Grant Awards	-Cassandra Hana, National Inventors Hall of Fame School, Akron -Diane Fuller, Karen Hazlett, Seiberling Elementary School, Miller South School for the Visual & Performing Arts, Akron
-ACESS / ExxonMobil Teacher Grant Awards	-Debbie Dodson, Greater Summit County Early Learning Center, Akron -Laurie Thompson, Ritzman Community Learning Center, Akron -Monique Binkley, Garfield High School, Akron -Laura Sherman, Miller South School for the Visual & Performing Arts, Akron
-ACESS Teacher Grant Awards	-Janeen Beresh, Mason Community Learning Center, Akron



Honors & Awards (continued)	-Dr David Perry President-Elect, ACESS
-ExxonMobil / ACESS Scholarship Award	-Addison Spriggs, Kent State University
-Bridgestone Americas / ACESS Scholarship Award	-Kriston Cline, The University of Akron
-OMNOVA / ACESS Scholarship Award Presented by Dr N Triantafillopoulos, OMNOVA Solutions Inc	-Timothy Moneypenny, The University of Akron
-ACS Chemistry Scholarships Presented by Dr Suguna Rachakonda, ACS	-Tiffany Marchewka, Hiram College -Eric Bidwell, Kent State University -Andrew Dickerson, Malone University -Amanda Myhal, University of Mount Union -Taylor Sherrod, Walsh University
-Gene Easter Award for Exemplary High School Chemistry Teaching Introduced by Dr Suguna Rachakonda, ACS	-Joseph DeAngelis, Ellet High School, Akron
-ACS Chemistry Olympiad - National Exam Recognition Presented by Dr Suguna Rachakonda, ACS	-Tim Watkins, Perry High School, Massillon -Marie Harp, Firestone High School, Akron
-ACESS Award	-Mr Gregg Loesch City of Akron, Department of Public Service
-Distinguished Award of Council Presented by Dr Raj Chowdhury, KSU	-Dr Satyendra Kumar Professor of Physics Kent State University
Closing Remarks	-Dr David Perry President-Elect, ACESS

## Like Us on Facebook and LinkedIn





### 2013-2014 ACESS OFFICERS

President:	Robert Osterhout, PE	Lanier
Fresident.	IEEE	Consulting LLC
President-Elect:	David Perry, PhD	University of
President-Elect.	ACS	Akron
Treasurer:	Gregg Loesch, PE ASCE	City of Akron
Secretary:	Robert Erdman APC	Retired
<b>Executive Director:</b>	Anoop Krishen, PhD ACS	Retired

## ACESS COMMITTEE CHAIRS

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

### **ACESS DELEGATES**

ACM:	Ken Batcher, PhD, Delegate	ASHRAE:	Eric Wright, President Jenny Richardson, Delegate
ACS:	Suguna Rachakonda, PhD, Chair David Perry, PhD, Delegate Marian Rousek, Delegate	ASME:	David Houser, PE, Chair Mike Buza, Delegate James Parish, PE, Delegate
ADSPE:	David Tschantz, PE, President Mark Elicker, PE, Delegate Dwayne Groll, PE, Delegate	ASSE:	Thomas Babyak, President Eric Halverson, Delegate Kent Pasko, Delegate
AIChE:	Tom Flynn, Chair Joe Feil, Delegate	IEEE:	Robert Voss, Chair Malissa Clingman, Delegate Robert Osterhout, PE, Delegate
APC:	Ernst von Meerwall, Chair Dan Galehouse, Delegate Robert Erdman, Delegate	SME:	Bill Kessler, Chair Bill Marzich, PE, Delegate
ASCE:	Jill Ward, PE, President Gregg Loesch, PE, Delegate	SPE:	Daniel Jones, PhD, President David Schultz, Delegate Lloyd Goettler, PhD, Delegate



## 2013-2014 ACESS ADVISORY COUNCIL

Dr Michael Askew	Director, Hoyt Musculoskeletal Research Laboratory Summa Health System (Retired)
Mr Michael Ferncez, PE	Director, Transmission & Substation Services FirstEnergy Service Company
Mr Robert Handelman	Chief Executive Officer Chemstress Consultant Company
Ms Sheila King	VP, Operations, Hudson STEM Alliance 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
Dr Nick Triantafillopoulos	Manager & Fellow, Adjacent Technologies OMNOVA Solutions Inc

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

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



## 2013 ACESS HONORS & AWARDS BANQUET COMMITTEE



Ken Batcher, PhD, ACM	Retired
Mike Buza, ASME	Committee Co-Chair, Retired
George Deisz, ACS	Retired
Michael Dowell, PhD, ACS	Retired
Joseph Feil, AIChE	Retired
Katrina Halasa, PhD, ACS	Akron Public Schools
Bill Kessler, SME	Committee Co-Chair, Retired
Anoop Krishen, PhD, ACS	ACESS Executive Director
Gregg Loesch, PE, ASCE	City of Akron
Robert Osterhout, PE, IEEE	Lanier Consulting, LLC
David Perry, PhD, ACS	The University of Akron
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.

* Akron Early College, Akron  * Akron Early College, Akron  * Buchtel High School, Akron  * East High School, Akron  * Ellet High School, Akron  * Ellet High School, Akron  * Firestone High School  * Corey Fox  * C			
- Ryan Hubbard - Kiyana Gable - Kevin Lewis - East High School, Akron - Mariah Rowh - Matthew Waldsmith - Candice Natko - Anthony Schulmeister - Firestone High School, Akron - Isabella Sabatina - Corbin Gearhart - Garfield High School, Akron - Pa Kou Amy Xiong - Dylan Carmany - Vana Morrison - Deondre Washington - North High School, Akron - Bethlehem Jebawu - Beda Katel - Kelsey Wilson - Corey Fox - Copley High School - Kerry Crowley - Eric Hemphill - Cassie Kelley - Luke Bogdanovich - Valerie Nauman - Matt Medeiros - Matthew Stang - Nathan Nicholas - Hudson High School - Manchester High School - Mogadore High School - Mogadore High School - Mogadore High School - Nordonia Hills High School - Nordonia Hills High School - Revere Pence	SCHOOL	STUDENTS	
• Buchtel High School, Akron  • East High School, Akron  • Ellet High School, Akron  • Ellet High School, Akron  • Firestone High School, Akron  • Garfield High School, Akron  • Kenmore High School, Akron  • North High School, Akron  • North High School  • Copiey High School  • Copiey High School  • Coventry High School  • Cuyahoga Falls High School  • Green High School  • Matthew Stang  • Manchester High School  • Mogadore High School  • Nordonia Hills High School  • Nordonia Hills High School  • Revere High School	<ul> <li>Akron Early College, Akron</li> </ul>	-Daniel Mesenger	
-Kevin Lewis  - East High School, Akron  - Mariah Rowh - Matthew Waldsmith  - Candice Natko - Anthony Schulmeister  - Firestone High School, Akron  - Garfield High School, Akron  - Garfield High School, Akron  - Fa Kou Amy Xiong - Dylan Carmany  - Vana Morrison - Deondre Washington  - North High School, Akron  - Bethlehem Jebawu - Beda Katel  - Barberton High School  - Corey Fox  - Copley High School  - Corey Fox  - Coventry High School  - Coventry High School  - Cuyahoga Falls High School  - Cuyahoga Falls High School  - Green High School  - Hudson High School  - Matthew Stang - Nathan Nicholas  - Hudson High School  - Marchester High School  - Mogadore High School  - Mogadore High School  - Nordonia Hills High School  - Nordonia Hills High School  - Revere High School  - Revere High School  - Revere High School  - Revere High School  - Rylee Pence		-Ryan Hubbard	
• East High School, Akron  • Ellet High School, Akron  • Ellet High School, Akron  • Firestone High School, Akron  • Firestone High School, Akron  • Garfield High School, Akron  • Kenmore High School, Akron  • North High School, Akron  • North High School, Akron  • Barberton High School  • Corey Fox  • Copley High School  • Coventry High School  • Coventry High School  • Cuyahoga Falls High School  • Green High School  • Hudson High School  • Hudson High School  • Manchester High School  • Mogadore High School  • Nordonia Hills High School  • Revere Pigh School	<ul> <li>Buchtel High School, Akron</li> </ul>	-Kiyana Gable	
-Matthew Waldsmith  • Ellet High School, Akron  • Firestone High School, Akron  • Firestone High School, Akron  • Garfield High School, Akron  • Kenmore High School, Akron  • North High School, Akron  • North High School  • Barberton High School  • Copley High School  • Coventry High School  • Coventry High School  • Cuyahoga Falls High School  • Green High School  • Green High School  • Matthew Stang  • Matthew Stang  • Manchester High School  • Mogadore High School  • Nordonia Hills High School  • Norton High School  • Norton High School  • Norton High School  • Revere High School  • Revere High School  • Rylee Pence		-Kevin Lewis	
• Ellet High School, Akron  • Firestone High School, Akron  • Firestone High School, Akron  • Garfield High School, Akron  • Garfield High School, Akron  • Kenmore High School, Akron  • North High School, Akron  • North High School, Akron  • Bethlehem Jebawu  - Beda Katel  • Barberton High School  • Copley High School  • Coventry High School  • Coventry High School  • Cuyahoga Falls High School  • Green High School  • Green High School  • Matthew Stang  - Natthan Nicholas  • Hudson High School  • Manchester High School  • Mogadore High School  • Mogadore High School  • Nordonia Hills High School  • Norton High School  • Revere High School  • Revere High School  • Rylee Pence	• East High School, Akron	-Mariah Rowh	
-Anthony Schulmeister  • Firestone High School, Akron  • Garfield High School, Akron  • Kenmore High School, Akron  • North High School, Akron  • Barberton High School  • Corey Fox  • Copley High School  • Coventry High School  • Cuyahoga Falls High School  • Green High School  • Hudson High School  • Manchester High School  • Mogadore High School  • Norton High School  • Norton High School  • Norton High School  • Revere Pick Pence		-Matthew Waldsmith	
• Firestone High School, Akron  • Garfield High School, Akron  • Kenmore High School, Akron  • North High School, Akron  • North High School, Akron  • North High School  • Revere High School  • Norton High School  • Firestone High School  • Copley High School  • Coventry High School  • Cuyahoga Falls High School  • Hudson High School  • Manchester High School  • Mogadore High School  • Norton High School  • Revere Pence	• Ellet High School, Akron	-Candice Natko	
-Corbin Gearhart  • Garfield High School, Akron  • Kenmore High School, Akron  • North High School, Akron  • North High School, Akron  • Barberton High School  • Copley High School  • Coventry High School  • Cuyahoga Falls High School  • Green High School  • Hudson High School  • Manchester High School  • Mogadore High School  • Norton High School  • Norton High School  • Revere Pick Goddard  • Springfield High School  • Revere Pick Goddard  • Rylee Pence	-	-Anthony Schulmeister	
• Garfield High School, Akron  • Kenmore High School, Akron  • North High School, Akron  • North High School, Akron  • North High School  • North High School  • Copley High School  • Copley High School  • Coventry High School  • Cuyahoga Falls High School  • Green High School  • Hudson High School  • Manchester High School  • Mogadore High School  • Nordonia Hills High School  • Norton High School  • Revere Pigh School	Firestone High School, Akron	-Isabella Sabatina	
-Dylan Carmany - Kenmore High School, Akron - J'ana Morrison - Deondre Washington - Bethlehem Jebawu - Beda Katel - Barberton High School - Corey Fox - Copley High School - Corey Fox - Kerry Crowley - Eric Hemphill - Coventry High School - Cassie Kelley - Luke Bogdanovich - Cuyahoga Falls High School - Valerie Nauman - Matt Medeiros - Green High School - Matthew Stang - Nathan Nicholas - Hudson High School - Marchester High School - Sarah Hercules - James "Jay" Wallace - Mogadore High School - Nordonia Hills High School - Taylor Crockett - Andrew Krieger - Norton High School - Revere High School - Sydney Katz - Erik Goddard - Springfield High School - Rylee Pence	•	-Corbin Gearhart	
-Dylan Carmany - Kenmore High School, Akron - J'ana Morrison - Deondre Washington - Bethlehem Jebawu - Beda Katel - Barberton High School - Corey Fox - Copley High School - Corey Fox - Kerry Crowley - Eric Hemphill - Coventry High School - Cassie Kelley - Luke Bogdanovich - Valerie Nauman - Matt Medeiros - Matthew Stang - Nathan Nicholas - Hudson High School - Marchester High School - Manchester High School - Mogadore High School - Mogadore High School - Nordonia Hills High School - Nordonia Hills High School - Norton High School - Revere High School - Springfield High School - Springfield High School - Rylee Pence	Garfield High School, Akron	-Pa Kou Amy Xiong	
- Deondre Washington  • North High School, Akron  • Barberton High School  • Copley High School  • Coventry High School  • Coventry High School  • Cuyahoga Falls High School  • Green High School  • Hudson High School  • Manchester High School  • Mogadore High School  • Nordonia Hills High School  • Norton High School  • Revere High School  • Springfield High School  • Revere Pigh School	•	-Dylan Carmany	
-Deondre Washington  • North High School, Akron  -Bethlehem Jebawu -Beda Katel  • Barberton High School  • Corey Fox  • Copley High School  • Coventry High School  • Cuyahoga Falls High School  • Green High School  • Green High School  • Matthew Stang -Nathan Nicholas  • Hudson High School  • Manchester High School  • Mogadore High School  • Mogadore High School  • Nordonia Hills High School  • Nordonia Hills High School  • Norton High School  • Revere High School  • Revere High School  • Revere High School  • Springfield High School  -Stanh Hercules -James "Jay" Wallace -Andrew Krieger  • Norton High School  - Sydney Katz - Erik Goddard - Springfield High School  - Rylee Pence	Kenmore High School, Akron	-J'ana Morrison	
-Beda Katel  - Barberton High School  - Corey Fox  - Copley High School  - Cassie Kelley - Luke Bogdanovich  - Cuyahoga Falls High School  - Cuyahoga Falls High School  - Walerie Nauman - Matt Medeiros  - Green High School  - Matthew Stang - Nathan Nicholas  - Hudson High School  - Audrey Fetsko - Ethan Cravener  - Manchester High School  - Manchester High School  - Ashley Barker - Brendon Schrock  - Nordonia Hills High School  - Nordonia Hills High School  - Revere High School  - Sydney Katz - Erik Goddard  - Rylee Pence	· ·	-Deondre Washington	
Barberton High School Corey Fox  Copley High School Coventry High School Coventry High School Cuyahoga Falls High School Green High School Hudson High School Manchester High School Mogadore High School Nordonia Hills High School Norton High School Revere High School  Revere High School  Revere High School  Revere High School  Revere High School  Revere High School  Revere High School  Revere High School  Revere High School  Revere High School  Revere High School  Revere Pick Revere High School  Revere Pick Revere Pi	North High School, Akron	-Bethlehem Jebawu	
-Corey Fox - Copley High School -Kerry Crowley -Eric Hemphill - Coventry High School -Cassie Kelley -Luke Bogdanovich - Valerie Nauman -Matt Medeiros - Matthew Stang -Nathan Nicholas - Hudson High School - Audrey Fetsko -Ethan Cravener - Manchester High School - Manchester High School - Mogadore High School - Ashley Barker - Brendon Schrock - Nordonia Hills High School - Norton High School - Revere High School - Revere High School - Springfield High School - Rylee Pence	,	-Beda Katel	
-Corey Fox - Copley High School -Kerry Crowley -Eric Hemphill - Coventry High School -Cassie Kelley -Luke Bogdanovich - Valerie Nauman -Matt Medeiros - Matthew Stang -Nathan Nicholas - Hudson High School - Audrey Fetsko -Ethan Cravener - Manchester High School - Manchester High School - Mogadore High School - Ashley Barker - Brendon Schrock - Nordonia Hills High School - Norton High School - Revere High School - Revere High School - Springfield High School - Rylee Pence	Barberton High School	-Kelsey Wilson	
-Eric Hemphill  Coventry High School  Cuyahoga Falls High School  Green High School  Hudson High School  Manchester High School  Mogadore High School  Mogadore High School  Nordonia Hills High School  Norton High School  Revere High School  Revere High School  Revere High School  Springfield High School  -Eric Hemphill  Cassie Kelley  Luke Bogdanovich  Valerie Nauman  -Matt Medeiros  -Matthew Stang  -Natthew Stang  -Nathan Nicholas  -Audrey Fetsko  -Ethan Cravener  -Sarah Hercules  -James "Jay" Wallace  -Ashley Barker  -Brendon Schrock  -Taylor Crockett  -Andrew Krieger  -Olivia Bennett  -Hunter Blevins  -Sydney Katz  -Erik Goddard  -Rylee Pence	•	-Corey Fox	
-Eric Hemphill  Coventry High School  Cuyahoga Falls High School  Green High School  Hudson High School  Manchester High School  Mogadore High School  Mogadore High School  Nordonia Hills High School  Norton High School  Revere High School  Revere High School  Revere High School  Springfield High School  -Eric Hemphill  Cassie Kelley  Luke Bogdanovich  Valerie Nauman  -Matt Medeiros  -Matthew Stang  -Natthew Stang  -Natthew Stang  -Nathan Nicholas  -Audrey Fetsko  -Ethan Cravener  -Sarah Hercules  -James "Jay" Wallace  -Ashley Barker  -Brendon Schrock  -Taylor Crockett  -Andrew Krieger  -Olivia Bennett  -Hunter Blevins  -Sydney Katz  -Erik Goddard  -Rylee Pence	Copley High School	•	
-Luke Bogdanovich  - Cuyahoga Falls High School  - Valerie Nauman - Matt Medeiros  - Matthew Stang - Nathan Nicholas  - Hudson High School  - Audrey Fetsko - Ethan Cravener  - Manchester High School  - Manchester High School  - Mogadore High School  - Ashley Barker - Brendon Schrock  - Nordonia Hills High School  - Taylor Crockett - Andrew Krieger  - Norton High School  - Revere High School  - Sydney Katz - Erik Goddard  - Rylee Pence		-Eric Hemphill	
-Luke Bogdanovich  - Cuyahoga Falls High School  - Valerie Nauman - Matt Medeiros  - Matthew Stang - Nathan Nicholas  - Hudson High School  - Audrey Fetsko - Ethan Cravener  - Manchester High School  - Manchester High School  - Mogadore High School  - Ashley Barker - Brendon Schrock  - Nordonia Hills High School  - Taylor Crockett - Andrew Krieger  - Norton High School  - Revere High School  - Sydney Katz - Erik Goddard  - Rylee Pence	Coventry High School	-Cassie Kelley	
-Matt Medeiros  - Green High School  - Matthew Stang - Nathan Nicholas  - Hudson High School  - Audrey Fetsko - Ethan Cravener  - Manchester High School  - Mogadore High School  - Ashley Barker - Brendon Schrock  - Nordonia Hills High School  - Norton High School  - Norton High School  - Revere High School  - Sydney Katz - Erik Goddard  - Rylee Pence	, ,	-Luke Bogdanovich	
<ul> <li>Green High School</li> <li>Hudson High School</li> <li>Manchester High School</li> <li>Mogadore High School</li> <li>Nordonia Hills High School</li> <li>Norton High School</li> <li>Revere High School</li> <li>Springfield High School</li> <li>-Matthew Stang -Nathan Nicholas</li> <li>-Audrey Fetsko -Ethan Cravener</li> <li>Sarah Hercules -Sarah Hercules -Sarah</li></ul>	Cuyahoga Falls High School	-Valerie Nauman	
-Nathan Nicholas  • Hudson High School  -Audrey Fetsko -Ethan Cravener  • Manchester High School  • Mogadore High School  • Mordonia Hills High School  • Nordonia Hills High School  • Norton High School  • Revere High School  • Springfield High School  -Nathan Nicholas -Audrey Fetsko -Ethan Cravener -Sarah Hercules -James "Jay" Wallace -Ashley Barker -Brendon Schrock -Taylor Crockett -Andrew Krieger -Olivia Bennett -Hunter Blevins -Sydney Katz -Erik Goddard -Springfield High School -Rylee Pence		-Matt Medeiros	
<ul> <li>Hudson High School         <ul> <li>Ethan Cravener</li> </ul> </li> <li>Manchester High School             <ul> <li>Sarah Hercules</li> <li>James "Jay" Wallace</li> <li>Mogadore High School</li></ul></li></ul>	Green High School	-Matthew Stang	
-Ethan Cravener  • Manchester High School  • Mogadore High School  • Nordonia Hills High School  • Norton High School  • Revere High School  • Springfield High School  -Ethan Cravener  -Sarah Hercules  -James "Jay" Wallace  -Ashley Barker  -Brendon Schrock  -Taylor Crockett  -Andrew Krieger  -Olivia Bennett  -Hunter Blevins  -Sydney Katz  -Erik Goddard  -Rylee Pence	•	-Nathan Nicholas	
-Ethan Cravener  • Manchester High School  • Mogadore High School  • Nordonia Hills High School  • Norton High School  • Revere High School  • Springfield High School  -Ethan Cravener  -Sarah Hercules  -James "Jay" Wallace  -Ashley Barker  -Brendon Schrock  -Taylor Crockett  -Andrew Krieger  -Olivia Bennett  -Hunter Blevins  -Sydney Katz  -Erik Goddard  -Rylee Pence	Hudson High School	-Audrey Fetsko	
-James "Jay" Wallace  • Mogadore High School  • Nordonia Hills High School  • Norton High School  • Revere High School  • Springfield High School  -James "Jay" Wallace  -Ashley Barker  -Brendon Schrock  -Taylor Crockett  -Andrew Krieger  -Olivia Bennett  -Hunter Blevins  -Sydney Katz  -Erik Goddard  -Rylee Pence	_	-Ethan Cravener	
Mogadore High School     -Ashley Barker     -Brendon Schrock     Taylor Crockett     -Andrew Krieger     Norton High School     Revere High School     Springfield High School     -Sydney Katz     -Erik Goddard     -Rylee Pence	Manchester High School	-Sarah Hercules	
-Brendon Schrock  • Nordonia Hills High School  • Norton High School  • Norton High School  • Revere High School  • Springfield High School  -Brendon Schrock  -Taylor Crockett  -Andrew Krieger  -Olivia Bennett  -Hunter Blevins  -Sydney Katz  -Erik Goddard  -Rylee Pence	-	-James "Jay" Wallace	
Nordonia Hills High School     -Taylor Crockett     -Andrew Krieger     Olivia Bennett     -Hunter Blevins     Revere High School     Springfield High School     -Sydney Katz     -Erik Goddard     -Rylee Pence	Mogadore High School	-Ashley Barker	
-Andrew Krieger  • Norton High School  • Revere High School  • Springfield High School  -Andrew Krieger  -Olivia Bennett -Hunter Blevins  -Sydney Katz -Erik Goddard  -Rylee Pence		-Brendon Schrock	
Norton High School     -Olivia Bennett     -Hunter Blevins     -Sydney Katz     -Erik Goddard     -Springfield High School     -Rylee Pence	Nordonia Hills High School	-Taylor Crockett	
Norton High School     -Olivia Bennett     -Hunter Blevins     -Sydney Katz     -Erik Goddard     -Springfield High School     -Rylee Pence	-		
-Hunter Blevins  • Revere High School  -Sydney Katz -Erik Goddard  • Springfield High School  -Rylee Pence	Norton High School	-Olivia Bennett	
-Erik Goddard -Springfield High School -Rylee Pence	<del>-</del>	-Hunter Blevins	
-Erik Goddard -Springfield High School -Rylee Pence	Revere High School	-Sydney Katz	
, , ,	-		
-Anthony McMullen	Springfield High School	-Rylee Pence	
		-Anthony McMullen	



## 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
Stow-Munroe Falls High School	-Braxton Hornick
	-Jacob Wasson
Tallmadge High School	-Annamarie Drechsler
	-Steven Clark
Twinsburg High School	-Nirmal Krishnan
	-Ramanjout Sandhu
Woodridge High School	-Erin Kiley
	-Brian Cooper
Archbishop Hoban High School	-Malinda Baer
	-Travis Pero
Walsh Jesuit High School	-Seon Jeon
	-Carter Carlos
St Vincent-St Mary High School	-Ann Graft
	-Derek Whiddon
Cuyahoga Valley Christian Academy	-Taylor Dittrich
	-Ryan Hall



### **SCIENCE FAIR WINNERS**

### Best of Show Akron Science & Technology Expo

Middle School – Benjamin Pontius won the ACESS Award for the outstanding project at the Akron Science & Technology Expo held at the North High School on January 26, 2013. The title of his project was "Mobile Bicycle Generator for a Hand Held Device". Benjamin is currently in the 8<sup>th</sup> grade at the Miller South School of the Visual & Performing Arts in Akron, Ohio. His science advisor was Ms Tina Lattimer.

<u>High School</u> – Alena Veigl won the ACESS Award for the outstanding project at the Akron Science & Technology Expo held at the North High School on January 26, 2013. The title of her project was "How Temperature and Time Affect the Decomposition of Hydrogen Peroxide". Alena is currently in the 11<sup>th</sup> grade at Firestone High School in Akron, Ohio. Her science advisor was Mr Edward Cauffield.

## Best of Show 65<sup>th</sup> Western Reserve District 5 Science Day

<u>Middle School</u> – Jacob Brawley won the ACESS Award for the outstanding project at the 65<sup>th</sup> Western Reserve District 5 Science Day held at The University of Akron on March 16, 2013. The title of his project was "Soil Liquefaction". Benjamin is currently in the 7<sup>th</sup> grade at Stanton Middle School in Kent, Ohio.

<u>High School</u> – Derek Whiddon won the ACESS Award for the outstanding project at the 65<sup>th</sup>

Western Reserve District 5 Science Day held at The University of Akron on March 16, 2013.

The title of his project was "Finding the Most Effective Percent Composition of Hydrophilic and Hydrophobic Polymer Nanofibers to Yield Bacterial Resistance". Derek is currently in the 12<sup>th</sup> grade at St Vincent-St Mary High School in Akron, Ohio.

#### **ACESS GRANT AWARD WINNERS**



ACESS 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 seven teachers based on their grant applications.

Who Dunnit?: Using Gel Electrophoresis to Determine the Perpretator of a
<u>Crime Scene</u>

Sponsored by ACESS / OMNOVA

Cassandra Hanna

National Inventors Hall of Fame Science, Technology Engineering & Mathematics High School, Akron

**Problem Solvers Club** 

Sponsored by ACESS / ExxonMobil

Debbie Dotson

Greater Summit County Early Learning Center, Akron

Write On - Science and Reading Connection

Sponsored by ACESS

Janeen Beresh Mason Community Learning Center, Akron

Light Up Math

Sponsored by ACESS / ExxonMobil

Laurie Thompson

Ritzman Community Learning Center, Akron

CSI at Garfield High School

Sponsored by ACESS / ExxonMobil

Monique Binkley Garfield High School, Akron

Why Wednesday?

Sponsored by ACESS / OMNOVA

Diane Fuller Karen Hazlett Seiberling Elementary School, Akron Miller South School for the Visual & Performing Arts, Akron

First in Math

Sponsored by ACESS / ExxonMobil

Laura Sherman Miller Sout

Miller South School for the Visual & Performing Arts, Akron





### 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.

## Addison Spriggs Biology, Molecular & Cellular Concentration Kent State University

### BRIDGESTONE AMERICAS / ACESS SCHOLARSHIP AWARD

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

## Kriston Cline Electronic Engineering Technologies The University of Akron

#### OMNOVA / ACESS SCHOLARSHIP AWARD WINNERS



One \$2,500 scholarships is awarded to a student at The University of Akron by Dr Nick Triantafillopoulos, Manager & Fellow, Adjacent Technologies, OMNOVA Solutions Inc.

## Timothy Moneypenny Chemistry

#### 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:
<a href="http://www.akroneweek.org/scholarship.htm">http://www.akroneweek.org/scholarship.htm</a>
Please submit your applications by November 21<sup>st</sup>, 2013



### **ACS CHEMISTRY SCHOLARSHIPS**



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

<u>Hiram College</u>	Kent State University
Tiffany Marchewka	Eric Bidwell
Malone University	University of Mount Union
Andrew Dickerson	Amanda Myhal
<u>Walsh Un</u>	<u>iversity</u>

**Taylor Sherrod** 







## ACS 2013 GENE EASTER AWARD for EXEMPLARY HIGH SCHOOL CHEMISTRY TEACHING

#### Joseph DeAngelis, Ellet High School, Akron, 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 2013 CHEMISTRY OLYMPIAD NATIONAL EXAM RECOGNITION**

Tim Watkins, Perry High School, Massillon, Ohio Marie Harp, Firestone High School, Akron, Ohio



## STEM SHOWCASE (Science, Technology, Engineering, Math)



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

Baldwin Wallace University	
Hiram College	
Kent State University	
The University of Akron	



### **BANQUET SPEAKER**

#### DR AUSTIN MELTON, JR

Project Director
Ohio Means Internships and Co-ops (OMIC) Project
Associate Dean for Undergraduate Studies
Kent State University

#### "Internships and Co-ops:

## Integrating Business Experiences and University Experiences"

Dr Austin Melton, Jr professor of Computer Science and Mathematical Sciences and the Kent State director of the Ohio Means Internships and Co-ops Grant, will describe how internships and co-op experiences are becoming an increasingly important part of a university education.

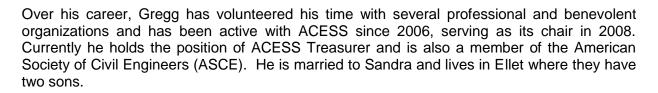
One of the ways in which the Science, Technology, Engineering, and Mathematics or STEM programs at Kent State University are improving their effectiveness for students is by increasing internship and co-op opportunities. A great way to understand the benefits of internships and co-ops is to hear from students who have had internships and co-ops.

Three students, Brian Katona, a senior majoring in Aeronautics in the College of Applied Engineering, Sustainability, and Technology, David Steinberg, a senior majoring in Electronic Media in the College of Communication and Information and also studying Computer Science in the College of Arts and Sciences and Addison Spriggs, a senior majoring in Biology with a Molecular and Cellular Concentration, will talk about their experiences at NASA, Kent Displays (a local firm which uses liquid crystal technologies), Apple, and The Cleveland Clinic.

#### THE ACESS AWARD

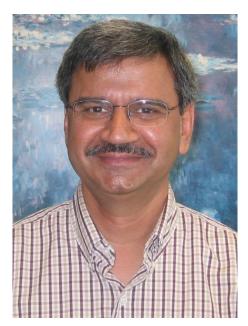
The ACESS Award is presented annually to an individual who has made an outstanding contribution to the Akron Council of Engineering & Scientific Societies (ACESS). The 2013 recipient of this award is Mr Gregg Loesch.

Mr Gregg Loesch has been with the City of Akron Water Supply Bureau for 34 years and currently serves as its Utilities Engineer. He attended the University of Akron, graduating in 1980 with a Bachelor of Science Degree in Civil Engineering and in 1990 with a Master of Science Degree in Civil Engineering with an emphasis on hydraulics. Gregg is a licensed Professional Engineer and Water Distribution System Operator in the State of Ohio.



#### 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 2013 recipient of this award is Dr Satyendra Kumar, Professor of Physics, Kent State University.



Dr Kumar received his Doctorate in 1981 from the Illinois at Urbana-Champaign, Champaign, IL. After three years at Massachusetts Institute of Technology as a Research Associate and three years as a Senior Physicist at Tektronix Incorporated, Beaverton, OR, Dr Kumar joined Kent State University (KSU) as an Assistant Professor in 1987. In 2005, he served as Program Director at the Division of Materials Research, National Science Foundation. During this time, Dr Kumar was part of the International Liquid Crystal Society (ILCS) serving as both President (2004 - 2008) and Past President (2008 – 2012). Since 1997, Dr Kumar has served as Professor of Physics at KSU. He has also recently served as Associate Vice President for Research at KSU, establishing partnerships and multidisciplinary collaborations across the campus, the state, the country, and the world.

At KSU, Dr Kumar continues his teaching, research, student/postdoc mentoring, serving on committees, securing of extramural funding while having publishing nearly 190 papers in peer reviewed journals and having been the inventor on 14 patents. He has authored and edited two books and several book chapters. He has taught courses ranging from physics-for-poets (Seven Ideas that Shook the Universe) to advanced graduate level electrodynamics classes.

Dr Kumar continues to serve our community in many capacities. He is a member of the Advisory Committee of the India Sunday School in Akron. He serves as a judge at the Science Olympiad competition at The University of Akron. Forming a group of about 15 graduate students and several faculty members, they mentored a Kent middle school class of gifted science students. This group sponsored the students at KSU for a campus visit, showing them the details of science and research at KSU. Dr Kumar is a member of the Executive Board of the University Clean Energy Alliance of Ohio, contributing his expertise, and he also participates in meetings of the Water Resource Research and Management in Northeast Ohio.

Dr Kumar is known regionally, nationally and globally for his commitment to science and his involvement in Science, Technology, Engineering and Mathematics education. His visions have defined the impact of the global "knowledge economy" in northeast Ohio.



## AKRON COUNCIL OF ENGINEERING AND SCIENTIFIC SOCIETIES (ACESS)

The purpose of the Akron Council of Engineering and Scientific Societies (ACESS) 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.

ACESS 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)



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 one \$2500 scholarships and two \$500 teacher grants.



## **Bridgestone Americas**

#### R U S T F U N D

## **Bridgestone**

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.



# ExonMobil 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 First Energy Foundation OMNOVA Solutions Foundation Society of Manufacturing Engineers SolutionMedia Summit County Educational Service Center** The University of Akron Research Foundation



