

**AKRON COUNCIL OF  
ENGINEERING AND SCIENTIFIC SOCIETIES  
57th ANNUAL  
HONORS AND AWARDS BANQUET**



**Thursday, November 4, 2004  
Guy's Party Center**



A special thanks to GOJO Industries, Inc for their generous gift honoring the school science teachers and outstanding students!



The Goodyear Tire & Rubber Company, the world's largest tire company, is proud to be a strong supporter of ACCESS and its mission. In recognition of the importance of education in the engineering and science fields, Goodyear is sponsoring two \$1,500 scholarships during the current school year. The scholarships are offered at The University of Akron and Kent State University.

**57<sup>th</sup> ANNUAL  
ACCESS HONORS & AWARDS BANQUET PROGRAM  
Guy's Party Center November 4<sup>th</sup>, 2004**

• <i>Welcome, Opening Remarks</i>	Dr Dan Jones President, ACCESS
• <i>National Anthem</i>	Jeff Domjan Senior, Kenmore High School
• <i>Distinguished Award of Council Presentation</i>  <b>Mayor Donald L Plusquellic</b> City of Akron, Ohio	Mr Gary Johnson Executive VP, ARCADIS SPF
• <i>Dinner</i>	
• <i>Outstanding High School Student &amp; Teacher Awards</i>  -Presentation of Certificates of Recognition to Outstanding Students & Teachers from High Schools in Summit County  -Presentation of Certificates of Recognition to Outstanding Teachers from Middle Schools in Summit County	-Certificates presented by Dr Dan Jones & Dr Santhan Krishnan  -Winners announced by Dr Kathleen Sparrow & Mr Bill Holko
• <i>Banquet Introductions</i>  -Honorary Banquet Chairman  -ACCESS Advisory Council	Mr Gary Johnson  -Dr S Krishnan for Mr Joseph Kanfer GOJO Industries, Inc -ACCESS Advisory Council
• <i>Honors &amp; Awards</i>  -Best of Show Akron Science & Technology Expo  -Best of Show 55 <sup>th</sup> Western Reserve District 5 Science Day  -ACCESS Scholarship Award  -ACS Awards  -Goodyear/ACCESS Scholarship Awards  -ACCESS Award	Dr Anoop Krishen  -Michael Musarra Miller South School for the Visual & Performing Arts  -Rebecca Ussai Beaumont School  -Nichole Eschman, The University of Akron -Marshall Hyden, Kent State University  -Nathan Beres, Walsh University -Damien Earl, Kent State University -Randy Mason, Mt Union College  Presented by Mr George J Sacco, Jr -Marcus Leeper, Kent State University -Rachel Kallio, The University of Akron  -Jan Ruthenberg
• <i>Speaker Introduction</i>  <b>Exploring Mars</b> <b>Dr Geoffrey Landis,</b> Scientist, NASA Glenn Research Center	Mr Gary Johnson
• <i>Closing Remarks</i>	Dr Dan Jones



## **2004-2005 ACCESS OFFICERS**

<b>President:</b>	Dr Dan Jones, ACS, AIChE, SPE	East High School
<b>President Elect:</b>	Brent Sisler, ADSPE, ASME	The Babcock & Wilcox Co
<b>Treasurer:</b>	Joseph Feil, AIChE	Retired
<b>Secretary:</b>	Ruth Murray, ACS	Retired
<b>Past President:</b>	Dr Anoop Krishen, ACS	Retired

### **ACCESS COMMITTEE CHAIRS**

<b><u>AUDIT</u></b> Dr Anoop Krishen, ACS	<b><u>EDUCATION</u></b> Dr Ken Batchter, ACM
<b><u>BANQUET</u></b> Mike Buza, ASME	<b><u>HONORS &amp; AWARDS</u></b> Marian Rousek, ACS
<b><u>COMMUNICATIONS</u></b> Dr Ken Batchter, ACM	<b><u>SOCIETIES COORDINATION</u></b> Rick Buchanan, IEEE, ADSPE
<b><u>COMMUNITY RELATIONS</u></b> Walt Ruthenburg, AIChE	<b><u>STRATEGIC PLANNING</u></b> Dr Anoop Krishen, ACS

### **ACCESS DELEGATES**

<b><u>ACM:</u></b> Dr Ken Batchter, Delegate	<b><u>ASHRAE:</u></b> Steve Piescuik, Chair Jim Slovan, Delegate
<b><u>ACS:</u></b> Dr Sid Patel, Chair Dr Anoop Krishen, Delegate Marian Rousek, Delegate	<b><u>ASME:</u></b> Dr John Stearns, Chair Mike Buza, Delegate Brent Sisler, Delegate
<b><u>ADSPE:</u></b> Bruce Bassett, Chair Rich Buchanan, Delegate	<b><u>ASSE:</u></b> Cindi Veltri, Chair Jeff Peecook, Delegate
<b><u>AIChE:</u></b> Tom Flynn, Chair Joe Feil, Delegate Walt Ruthenburg, Delegate	<b><u>IEEE:</u></b> Dennis Ledel, Chair Rob Voss, Delegate Rick Buchanan, Delegate
<b><u>ASCE:</u></b> John Malivuk, Chair Mike Stepic, Delegate Jim Weber, Delegate	<b><u>SME:</u></b> Marshall Hyden, Chair
<b><u>SPE:</u></b> Robert Wegelin, Chair Joe Mattingly, Delegate	



## **AKRON COUNCIL 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);
- Akron Section of the American Institute of Chemical Engineers (AIChE)
- Akron-Canton Section of the American Society of Mechanical Engineers (ASME)
- Akron Section of the Institute of Electrical and Electronic Engineers (IEEE)
- Akron-Canton Section of the American Society of Civil Engineers (ASCE)
- 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)



## **2004-2005 ACCESS ADVISORY COUNCIL**

• Dr Russel A Livigni	Consultant
• Mr Robert A Handelman	President Chemstress Consultant Company
• Mr George J Sacco, Jr	Director Human Resources Global RD&E & Corporate Services The Goodyear Tire & Rubber Company
• Dr George R Newkome	Vice President for Research The University of Akron
• Dr Sharell Mikesell	Executive Director Ohio Polymer Strategy Council
• Dr Michael Askew	Head, Dept of Musculoskeletal Research Summa Health System
• Dr Barry Rosenbaum	Director of Technology Omnova Solutions Inc
• Dr Raj Chowdhury	Dean, School of Technology Kent State University

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 it's thanks to the Advisory Council members for their time and assistance.

## **2004 ACCESS HONORS & AWARDS BANQUET COMMITTEE**

• Joseph S Kanfer	Honorary Chair CEO, GOJO Industries, Inc
• Mike Buza, ASME	Committee Chair Retired
• Dr Dan Jones, ACS, AIChE, SPE	East High School
• Dr Anoop Krishen, ACS	Retired
• Joseph Feil, AIChE	Retired
• George Deisz, ACS	M&G Polymers USA, LLC
• Marshall Hyden, SME	Retired
• Brent Sisler, ADSPE, ASME	The Babcock & Wilcox Co
• Dr Kathleen Sparrow	Akron Public Schools
• Marian Rousek, ACS	M&G Polymers USA, LLC

## **MASTER OF CEREMONIES**

Gary Johnson is the Executive Vice President, ARCADIS SPF. He grew up in Toledo where he attended the University of Toledo, obtaining a BS in Civil Engineering.

After taking a one-year certification program in public works construction, Gary joined Finkbeiner, Petitis & Strout, Inc in the firm's Toledo office. In 1978 he became manager of the branch office in Akron. Between 1978 and 1995, when he became president of the firm, he was instrumental in the growth of the Akron office from a handful of employees to nearly 60.



Over the years Gary developed an expertise in wastewater engineering and was called upon to help with the Great Lakes Quality Initiative Task Force. He is a past officer of the American Society of Civil Engineers (past president of the Akron/Canton Section), the American Water Works Association, National Society of Professional Engineers, ACEC-Ohio, Ohio Water Environment Association, and Water Environment Federation. He has been recognized with many awards for his environmental work with water.



## **THE ACESS AWARD**

The ACESS Award is given to an individual who has made an outstanding contribution to the Akron Council of Engineering & Scientific Societies. The 2004 recipient, Jan Ruthenburg, is the former ACESS Office Services Secretary.



Jan Ruthenburg began serving ACESS in 1994. At that time she did the bulk mailings for four member societies, handled banquet reservations, processed ACESS mail and telephone calls plus quarterly invoicing. Additionally, she typed up and mailed the minutes of ACESS Board Meetings. Jan's knowledge of the professional scientific societies and belief in what ACESS offers our community made her a natural to serve ACESS.



## **OUTSTANDING STUDENTS & TEACHERS** **from High Schools in Summit County**



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

<b>SCHOOL</b>	<b>TEACHER</b>	<b>STUDENTS</b>
• <i>Buchtel High School, Akron</i>	-Marlise Ramsey	-David Jenkins -Shawntay Loftin
• <i>Central Hower High School, Akron</i>	-Sarah Davis	-Alia Hindi -Monica Taylor
• <i>East High School, Akron</i>	-Johnna O'Neal	-Natasha Carmichael -Jovaugn Hill -Barry Palmer (Engineering Program)
• <i>Ellet High School, Akron</i>	-Joe DeAngelis	-Adam Derrenberger -Brittanie Sues
• <i>Firestone High School, Akron</i>	-Cassandra Hanna	-Luke Stetzik -Rebecca Winer
• <i>Garfield High School, Akron</i>	-Karen Rummell	-Kierre Taylor -Cathy Vue -Ti'Air Riggins (Engineering Program) -Philip Steele (Engineering Program)
• <i>Kenmore High School, Akron</i>	-Robert Bresky	-Lenny Alls -Stephanie Kiba
• <i>North High School, Akron</i>	-Michelle Hewitt	-Erika Fifter -Patrick Lemmon
• <i>Barberton High School</i>	-Rick Iverson	-Anna Marie Crookston -Joseph Starc
• <i>Copley High School</i>	-Matt Young	-Chris Chapman -Jenny Myung
• <i>Coventry High School</i>	-Chuck Good	-Liz Fazio -Nathan Spencer
• <i>Cuyahoga Falls High School</i>	-Mark Salzwimmer -Jennifer Stedman	-Ashely Berdine -Tony Cook
• <i>Green High School</i>	-Matt Ohlson	-Ray Raies -Jamie Riedinger
• <i>Hudson High School</i>	-David Spohn	-Sean Gaffney -Kyle Hughes
• <i>Mogadore High School</i>	-Jennifer Tucker	-Kevin Somerville -Cassie Brewer
• <i>Nordonia Hills High School</i>	-William Nebel	-Peter Janki -Alyssa Motz
• <i>Portage Lakes Career Center</i>	-George Garman	-Abby Burley -Darren Miller



SCHOOL	TEACHER	STUDENTS
• <i>Revere High School</i>	-Jeff Shane	-Dave Barna -Martha King
• <i>Springfield High School</i>	-Jodi Mirman	-Keely Clary -Donovan Wood
• <i>Stow-Munroe Falls High School</i>	-Dr Tom Adkins	-Aimee Dowey -Eric Sacia
• <i>Twinsburg High School</i>	-William Halter	-Sarah Jordon -JJ Shively
• <i>Woodridge High School</i>	-Sharon Parkes	-Ryan Fawley -Jenny Arrington
• <i>Our Lady of the Elms High School</i>		-Faiza Khimji -Barbara Joy Jones
• <i>Archbishop Hoban High School</i>	-Amie Mancine	-Thomas Gaydos -Grace Hallenbeck

## GOVERNOR'S AWARDS FOR EXCELLENCE IN YOUTH SCIENCE OPPORTUNITIES



On September 22, 2004, The Ohio Academy of Science announced that East High School and their science teachers received the Governor's Awards for Excellence in Youth Science Opportunities for the 2003 – 2004 school year from Governor Bob Taft and The Ohio Department of Education.

This award reflects student-originated, inquiry-based science education beyond traditional classroom activities. To qualify for the Governor's Award, each school must have conducted a local science fair with 20 or more students, sent one or more of these students to one of the Ohio Science Academy's District Science Days, and involved students in one or more youth science opportunities beyond the classroom.

East High science teachers worked very hard last year with the students. These teachers spent untold hours after school working with their students on projects that were entered in our Science EXPO, some of which were also entered at Science Day at the University of Akron. Two of the teachers accompanied a group of students to the Envirothon, a natural resource competition for high school students. Students compete in five areas: soils, forestry, aquatics, wildlife and an environmental issue. East High's Science Club was very active during the year engaging in such activities as spelunking at Aultman Cave.

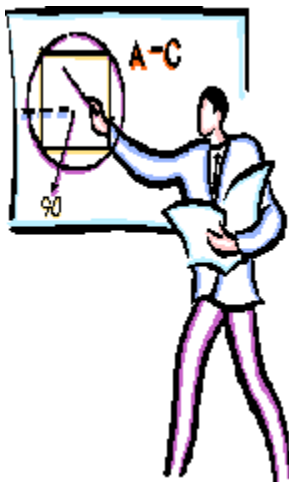


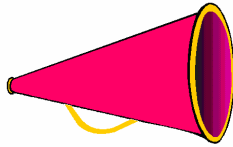
## OUTSTANDING TEACHERS from Middle Schools in Summit County



Recognition is extended to the following science teachers from middle schools in Summit County.

SCHOOL	TEACHER
• <i>Goodrich Middle School, Akron</i>	-Patty Falls
• <i>Goodyear Middle School, Akron</i>	-Eleanor Cunningham
• <i>Hyre Middle School, Akron</i>	-Vince Buzzelli
• <i>Innes Middle School, Akron</i>	-Christine Justiss
• <i>Jennings Middle School, Akron</i>	-David Hardwick
• <i>Kent Middle School, Akron</i>	-Tiffany Lundy
• <i>Litchfield Middle School, Akron</i>	-Holly Brunswick
• <i>Perkins Middle School, Akron</i>	- Morgan Greene
• <i>Riedinger Middle School, Akron</i>	-Curt (Sam) Crews
• <i>Copley-Fairlawn Middle School</i>	-Maria Peterson
• <i>Erwine Middle School, Coventry</i>	-Jim Trogdon
• <i>Roberts Middle School, Cuyahoga Falls</i>	-Adam Marino
• <i>Sill Middle School, Cuyahoga Falls</i>	-Pat Parsons
• <i>Green Middle School</i>	-Larry Collier
• <i>Hudson Middle School</i>	-Warren Ragle
• <i>Nordonia Hills Middle School</i>	-Tim Dusek
• <i>Kimpton Middle School, Stow-Munroe Falls</i>	-Heather Van Orman
• <i>Tallmadge Middle School</i>	-Don Cole





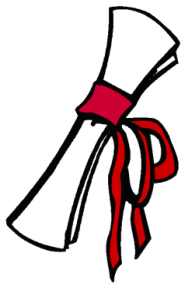
## **SCIENCE FAIR WINNERS**

### **Best of Show Akron Science & Technology Expo**

Michael Musarra won the ACCESS Award for the outstanding project at the Akron Science & Technology Expo held at the Akron Central Hower High School on February 28, 2004. The title of his project was "Pendulums: Length vs Weight". Michael is currently in the 8<sup>th</sup> grade at Miller South School for the Visual & Performing Arts in Akron, Ohio. His science advisor was Ms Heydorn.

### **Best of Show 55<sup>th</sup> Western Reserve District 5 Science Day**

Rebecca Ussai won the ACCESS Award for the outstanding project at the 55<sup>th</sup> Western Reserve District 5 Science Day held at The University of Akron on March 20, 2004. The title of her project was "Which Type of Bridge is Stronger". Rebecca is currently in the 10<sup>th</sup> grade at Beaumont School in Highland Heights, Ohio. Her science advisor was Mrs Gretchen Santo.



## **ACCESS SCHOLARSHIP AWARD WINNERS**

Two \$1,000 scholarships are awarded each year, one each to a student of The University of Akron and to a student of 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 ACCESS member societies.

### **The University of Akron**

Ms Nichole Eschman

### **Kent State University**

Mr Marshall Hyden



## ACS AWARD WINNERS



Each year the Akron Section of the American Chemical Society (ACS) provides three \$500 awards to students in nearby colleges and universities. This year's winners are:

### **Walsh University**

Nathan Beres

Dr Neil G Walsh, Advisor

### **Kent State University**

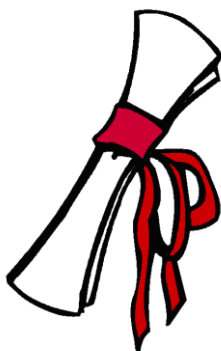
Damien Earl

Dr Songping D Huang, Advisor

### **Mt Union College**

Randy Mason

Dr Scott Mason, Advisor



## GOODYEAR / ACCESS SCHOLARSHIP AWARD WINNERS

ACCESS provides an appropriate forum to recognize college students who have demonstrated a dedication to their studies in science and engineering. This year we are joining with Goodyear to include monetary awards as well.

ACCESS identifies these students with the help of the faculty at Kent State University and The University of Akron while Goodyear funds the awards. Additionally, these students will be considered for summer employment at The Goodyear Tire & Rubber Company. ACCESS plans to expand similar arrangements with other corporations in the area.

Mr. George J Sacco, Jr, Director Human Resources, Global RD&E & Corporate Services, The Goodyear Tire & Rubber Company will present the Goodyear / ACCESS award winners.

### **Kent State University**

Marcus Leeper

Computer Science

### **The University of Akron**

Rachel Kallio

Mechanical Engineering



## **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 2004 recipient of this award is Mayor Donald L Plusquellic.

In January 2004, Donald L. Plusquellic began his 18<sup>th</sup> year as Mayor of the City of Akron after being re-elected for a fifth four-year term. The city's longest-serving mayor is a life-long resident of Akron. He became the 59th Mayor of Akron in 1987, after serving with distinction for 13 years on Akron City Council, including three years as president from 1984-1987. Citizens of Ward 9 first elected him to council as their representative in 1973, when he was 24 years old.

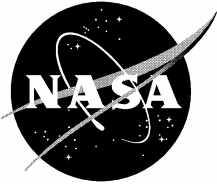


Don Plusquellic has devoted 30 years to public service in a career highlighted by great leadership successes locally and nationally. In 2002, the Mayor was elected Chairman of the Advisory Board of the United States Conference of Mayors (USCM), and is president of the organization as of June 2004.

Among Mayor Plusquellic's passions is public education. He has been a faithful partner with the Akron Public Schools in providing leadership and the assurance of community-wide support for the challenges the school system faces in the coming years. Additionally, the Mayor has been instrumental in developing after-school programs that now serve youngsters from Akron's most impoverished neighborhoods, in 12 different locations.

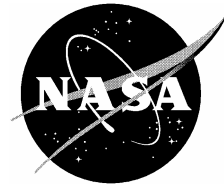
Most visibly, Mayor Plusquellic has transformed downtown Akron. From luring the National Inventors Hall of Fame to its new child-friendly headquarters in Akron, to the construction of a new minor league baseball stadium and a new convention center, downtown Akron has experienced a renaissance in the years of Plusquellic's leadership.

A graduate of Akron's Kenmore High School, Donald Plusquellic attended the University of Pittsburgh School of Engineering and graduated from Bowling Green State University School of Business. He earned his JD from The University of Akron School of Law.



## BANQUET SPEAKER

**DR GEOFFREY LANDIS**  
**“Exploring Mars”**



Geoffrey Landis, a scientist, joined the National Aeronautics and Space Administration’s John H. Glenn Research Center as a civil servant in October 2000.

He is a member of the science team of the Mars Exploration Rover mission, which is currently operating two rovers, Spirit and Opportunity, which landed on Mars in January, 2004. He also worked on the 1997 Mars Pathfinder mission, and was the principal investigator of the

Materials Adherence Experiment used to measure dust deposition on the Sojourner rover.

Currently, he is working on advanced concepts for space flight. His research projects include developing mission concepts for Mars and Venus probes, analyzing the performance of solar power systems for future space missions, investigating the use of space resources, and developing advanced space propulsion concepts, such as solar-electric propulsion systems, tethers and light-sails. He has published over two hundred and fifty scientific papers in the fields of photovoltaics and astronautics. He holds four patents on photovoltaic device designs.

Previously he was employed by the Ohio Aerospace Institute as a senior researcher. He earned his PhD in Physics from Brown University, and undergraduate degrees from the Massachusetts Institute of Technology.

In his spare time, he is a Hugo- and Nebula-award winning science fiction writer. His novel Mars Crossing won the Locus award for best first novel. His most recent book is the short-story collection Impact Parameter.



## ACCESS PAST PRESIDENTS

ACCESS has been fortunate in having had many good men and women serve as president. We thank the following individuals for giving of their time and energy to help, maintain, and guide the Council. A list of Presidents since 1993 includes:

1993	Kenneth Batchter, ACM
1994	Jeffrey Bechtel, IIE
1995	Thomas Bute, ASSE
1996	Gary R Lanier, IEEE
1997	Michael J Buza, ASME
1998	Paul Keck, IEEE
1999	Rick L Buchanan, ADSPE
2000	Rick L Buchanan, ADSPE
2001	Michael J Buza, ASME
2002	Michael S Powers, ASME
2002	E Charles Galloway, ACS
2003	Anoop Krishen, ACS



## ACCESS AWARD WINNERS

The Distinguished Award of Council is presented to an outstanding Akron area citizen and the ACCESS Award to an individual who has made exceptional contributions to ACCESS. Past winners of these two prestigious awards since 1993 are listed:

<b>Distinguished Award of Council</b>	<b>Year</b>	<b>ACCESS Award</b>
Dr Adel F Halasa	1993	
Dr Krishna C Baranwal	1994	Mr Gary Lanier
Dr Frank N Kelley	1995	Mr Dan Gleghorn
Dr Sundar Aggarwal	1996	Mr Thomas Bute
Mr William R Holland	1997	Dr Kenneth E Batchter
Mr David L Yeager	1998	Mr Michael J Buza
Dr E Charles Galloway	1999	Ms Ruth Murray
Dr Luis M Proenza	2000	
Dr Kathleen Sparrow	2001	
Mr William J Bandy, Jr	2002	
Mr Thomas C Sawyer	2003	Dr E Charles Galloway

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



**Akrochem Corporation  
Akron Section of the American Chemical Society  
Akron Section Institute of Electrical & Electronic Engineers  
Akron-Canton American Society of Mechanical Engineers  
The Babcock & Wilcox Company  
Bridgestone Firestone, Inc  
Chemstress Consultant Company  
Eagle Elastomer Inc  
First Energy Corporation  
GOJO Industries, Inc  
The Goodyear Tire & Rubber Company  
Hottle and Associates  
Lockheed Martin Tactical Systems Inc  
M&G Polymers USA, LLC  
Omnova Solutions Inc  
Society of Plastics Engineers  
Dr Kathleen Sparrow**