

**AKRON COUNCIL OF
ENGINEERING AND SCIENTIFIC SOCIETIES
60th ANNUAL
HONORS AND AWARDS BANQUET**



**Thursday, November 1, 2007
Guy's Party Center**



A special thanks to Lockheed Martin for their
generous gift honoring the outstanding
Math/Science students!



60th ANNUAL
ACESS HONORS & AWARDS BANQUET PROGRAM
Guy's Party Center **November 1st, 2007**

• <i>Welcome, Opening Remarks</i>	Mr Gregg Loesch President, ACESS
• <i>America the Beautiful</i>	Maddy Hauck Stow-Munroe Falls High School ETC School of Music
Dinner	
• <i>Outstanding High School Student Science / Math Awards</i> -Presentation of Certificates of Recognition to Outstanding Students from High Schools in Summit County	-Certificates presented by Mr Gregg Loesch / Mr Clark Reed -Winners announced by Ms Katrina Halasa & Dr Missi Zender
• <i>Banquet Introductions</i> -Honorary Banquet Chairman -ACESS Advisory Council	Mr Gregg Loesch -Mr Clark Reed Lockheed Martin -ACESS Advisory Council
• <i>Honors & Awards</i>	Mr Gregg Loesch
-Best of Show Akron Science & Technology Expo Presented by Dr Dan Jones	-Kaelyn Quinn Miller South School of the Performing Arts, Akron
-Best of Show Western Reserve District Science Day Presented by Dr Dan Jones	-Ellen Pifer Beaumont High School, South Euclid
-ACESS Scholarship Award Presented by Dr Dan Jones	-Jorry Palm, Kent State University
-Bridgestone Firestone / ACESS Scholarship Award Presented by Dr Dan Jones	-Eric McClanahan, The University of Akron
-Goodyear / ACESS Scholarship Awards Presented by Julie Westfall	-Susan Freilino, Kent State University -Antonio Samuel, The University of Akron
-OMNOVA / ACESS Scholarship Awards Presented by Dr Nick Triantafillopoulos	-Antonio Samuel, The University of Akron -Steven Scavuzzo, The University of Akron
-ACS Awards Presented by Valerie Woodward	-Tiffany Topper-Ewing, Mt Union College -Joshua Wagner, Kent State University -Jennifer Razek, Hiram College -Dustin Grimm, Malone College -Jim Engle, The University of Akron -Andrew Schulz, Walsh University
-ACESS Award	-Mr Brent Sisler Principal Engineer, Thermohydraulics The Babcock & Wilcox Company
-Distinguished Award of Council	-Dr A R (Raj) Chowdhury Professor and Dean - College of Technology Kent State University
• <i>Speaker Introduction</i> From Nano-Tubes to SUPER Blimps Chief Scientist & Fellow, Lockheed Martin MS2 Defense Systems & Surveillance	Mr Gregg Loesch Mr Charles Lavan
• <i>Closing Remarks</i>	Mr Gregg Loesch



2007-2008 ACCESS OFFICERS

President:	Gregg Loesch, PE ASCE	City of Akron
Treasurer:	Joseph Feil AIChE	Retired
Secretary:	Ruth Murray ACS	Retired
Executive Director:	Anoop Krishen, PhD ACS	Retired

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<u>AUDIT</u> Walt Ruthenburg, AIChE	<u>EDUCATION</u> Ken Batchner, PhD, ACM
<u>BANQUET</u> Mike Buza, ASME	<u>HONORS & AWARDS</u> Marian Rousek, ACS
<u>COMMUNICATIONS</u> Ken Batchner, PhD, ACM	<u>STUDENT OUTREACH</u> Daniel Jones, PhD, ACS, AIChE, SPE
<u>COMMUNITY RELATIONS</u> Brent Sisler, PE, ADSPE, ASME	<u>STRATEGIC PLANNING</u> Anoop Krishen, PhD, ACS

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<u>ACS:</u> Daryl Stein, Chair Anoop Krishen, PhD, Delegate Marian Rousek, Delegate	<u>ASME:</u> Matt Pruszynski, Chair Mike Buza, Delegate James Parish, Delegate
<u>ADSPE:</u> Paul R Pickett, PE, President Mark Elicker, PE, Delegate Dwayne Groll, PE, Delegate	<u>ASSE:</u> Curtiss Corsello, President Howland Davis, Delegate Scott Tritt, Delegate
<u>AIChE:</u> Tom Flynn, Chair Joe Feil, Delegate Walt Ruthenburg, Delegate	<u>IEEE:</u> Rob Voss, Chair Dennis Ledel, Delegate Rick Buchanan, PE, Delegate
<u>ASCE:</u> Dr Christopher Miller, PE, President Gregg Loesch, PE, Delegate John Malivuk, PE, Delegate	<u>SME:</u> Bill Kessler, Chair Bill Marzich, PE, Delegate
<u>SPE:</u> Vivian Malpass, President Joe Mattingly, Delegate Robert Wegelin, 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 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)



2007-2008

ACCESS ADVISORY COUNCIL

• Dr Michael Askew	Hoyt Research Laboratory Summa Health System
• Dr Raj Chowdhury	Dean, College of Technology Kent State University
• Mr Robert A Handelman	President Chemstress Consultant Company
• Dr Sharell Mikesell	Executive Director Ohio Polymer Strategy Council
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• Mr Clark G Reed	Director, Technical Operations Lockheed Martin Maritime Systems & Sensors
• Dr Barry Rosenbaum	Senior Fellow The University of Akron Research Foundation
• Dr Nick Triantafillopoulos	Director, Akron Technology Center OMNOVA Solutions, Inc
• Mr Kim L Whiteman	Director, Human Resources Global RD&E & Corporate Services The Goodyear Tire & Rubber Company

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.

2007

ACCESS HONORS & AWARDS BANQUET COMMITTEE

• Clark Reed	Honorary Chair Chief Engineer Lockheed Martin MS2 Defense Systems and Surveillance
• Mike Buza, ASME	Committee Chair, Retired
• George Deisz, ACS	M&G Polymers USA, LLC
• Joseph Feil, AIChE	Retired
• Dan Jones, PhD, ACS, AIChE, SPE	Lockheed Martin Maritime Systems & Sensors
• Anoop Krishen, PhD, ACS	Retired
• Gregg Loesch, PE, ASCE	City of Akron
• Ruth Murray, ACS	Retired
• Marian Rousek, ACS	M&G Polymers USA, LLC
• Brent Sisler, PE, ADSPE, ASME	The Babcock & Wilcox Company



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



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

SCHOOL	STUDENTS
• <i>Buchtel High School, Akron</i>	-Davina Foreman -Ramirez Boston
• <i>East High School, Akron</i>	-Emily Esakon -John Gray III
• <i>Ellet High School, Akron</i>	-Summer Taylor -Jason Young
• <i>Firestone High School, Akron</i>	-Zoe Speas -Jonathan Crawford
• <i>Garfield High School, Akron</i>	-Lordell Horne -Christopher M Smelko
• <i>Kenmore High School, Akron</i>	-Courtney Nevins -Rich Fong
• <i>North High School, Akron</i>	-Amanda Rager -Frank Dragomir
• <i>Barberton High School, Akron</i>	-Rachel Macko -Dakota (Kody) Willener
• <i>Copley-Fairlawn High School</i>	-Siri Hiremath -Thomas Kunstar
• <i>Coventry High School</i>	-Jennifer Ilijevich -Vince McCord
• <i>Manchester High School</i>	-Emma Reeves -Jenna Miller
• <i>Nordonia Hills High School</i>	-Vanessa Stagliano -Brian Gibbons
• <i>Norton High School</i>	-Casey Holzapfel -Andy Zolyak
• <i>Revere High School</i>	-Renee Bettinger -Matt Blum
• <i>Springfield High School</i>	-Rebecca Snyder -Mark Hamilton
• <i>Stow-Munroe Falls High School</i>	-Vidya Sundarum -Michael Burrowbridge
• <i>Tallmadge High School</i>	-Stephen Haury
• <i>Twinsburg High School</i>	-Katherine Jenson -Michael Malec
• <i>Woodridge High School</i>	-Kathleen Slocum -Dan Conner



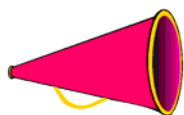
OUTSTANDING STUDENTS from High Schools in Summit County

(continued)



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

SCHOOL	STUDENTS
• <i>Archbishop Hoban High School</i>	-Erin Armao -Matthew Sunday
• <i>Our Lady of the Elms High School</i>	-Danielle Kara -Amy Pasternack
• <i>Walsh Jesuit High School</i>	-Colleen Mathews -Matt Hagenbuch



SCIENCE FAIR WINNERS

Best of Show Akron Science & Technology Expo

Kaelyn Quinn won the ACESS Award for the outstanding project at the Akron Science & Technology Expo held at the Akron Central Hower High School on February 24, 2007. The title of her project was "Polymer Possibilities". Kaelyn is currently in the 8th grade at Miller South School of the Performing Arts in Akron, Ohio. Her science advisor was Ms Beth Whitacre.

Best of Show 58th Western Reserve District 5 Science Day

Ellen Pifer won the ACESS Award for the outstanding project at the 58th Western Reserve District 5 Science Day held at The University of Akron on March 17, 2007. The title of her project was "Structural Dynamics". Alexandria is currently in the 11th grade at Beaumont High School in South Euclid, Ohio. Her science advisor was Mrs Gretchen Santo.

ACESS SCHOLARSHIP AWARD WINNER



One \$1,000 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.

Kent State University

Jorry Palm
Computer Science

BRIDGESTONE FIRESTONE / ACESS SCHOLARSHIP AWARD WINNER

One \$1,000 scholarship is awarded this year to a student at The University of Akron.

Eric McClanahan, Chemical Engineering



GOODYEAR / ACESS SCHOLARSHIP AWARD WINNERS

Two \$1,500 scholarships are awarded each year. One is awarded to a minority student in Engineering at The University of Akron. Another one is awarded to a minority student in Computer Science at Kent State University.

The University of Akron	Antonio Samuel, Electrical Engineering
Kent State University	Susan Freilino, Computer Science



OMNOVA / ACESS SCHOLARSHIP AWARD WINNERS

Two \$1,500 scholarships are awarded this year to students at The University of Akron.

Antonio Samuel, Electrical Engineering
Steven Scavuzzo, Mechanical Engineering



ACS AWARD WINNERS



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

<u>Mt Union College</u>	
Tiffany Topper-Ewing	Dr Scott Mason, Advisor
<u>Kent State University</u>	
Joshua Wagner	Dr Bob Twieg, Advisor
<u>Hiram College</u>	
Jennifer Razek	Dr Colleen Fried, Advisor
<u>Malone College</u>	
Dustin Grimm	Dr Jeff Goff, Advisor
<u>The University of Akron</u>	
Jim Engle	Dr Claire Tessier, Advisor
<u>Walsh University</u>	
Andrew Schulz	Dr Michael Dunphy, Advisor



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 2007 recipient of this award is Mr Brent Sisler, PE.

Brent currently is a Principal Engineer on the Thermohydraulics Team within the Mechanical Engineering Department, Technology Group, at The Babcock & Wilcox Company (B&W) in Barberton, Ohio. He celebrates 30 years with B&W this year, and has had nine different positions in the fossil fuel side of B&W's business over that time.

Brent is the current ACESS Community Relations Chair, helping with obtaining and coordinating sponsored awards and judges for the Akron area science fairs, the Akron Science & Technology Expo and the Western Reserve District 5 Science Day. He was ACESS President in 2005-2006.

Brent has been, and continues to be, involved in five other engineering-related activities in the Akron area, including:

- Akron District Society of Professional Engineers (ADSPE) officer chairs and many committee assignments including MATHCOUNTS Program Chair;
- American Society of Mechanical Engineers (ASME) member and Secretary , Treasurer, Program Chair, Honors & Awards Chair, and Section Chair three times;
- Member of the Firestone and Garfield High School Pre-Engineering Advisory Committee. Both these high schools have nationally-sponsored "Project Lead The Way" (PLTW) pre-engineering curricula that start in the ninth grade, giving qualified students a head start on college engineering studies. The intent is that this "bridge up" curriculum gives these students a better chance to successfully complete a college engineering degree;
- "Motivator" with the Youth Motivation Task Force (YMTF) in Akron area schools serving as a positive role model in discussing careers to students;
- Member of the Engineers' Week Banquet committee and 2008 Chair.

Brent is a Firestone High School graduate and has a BSME from Carnegie Mellon University, MSME from The University of Akron, MSE from Case Western Reserve University, and an MBA from Kent State University. Brent and his wife Mary live in west Akron with Molly, their Shetland sheepdog.



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 2007 recipient of this award is Dr A R (Raj) Chowdhury.

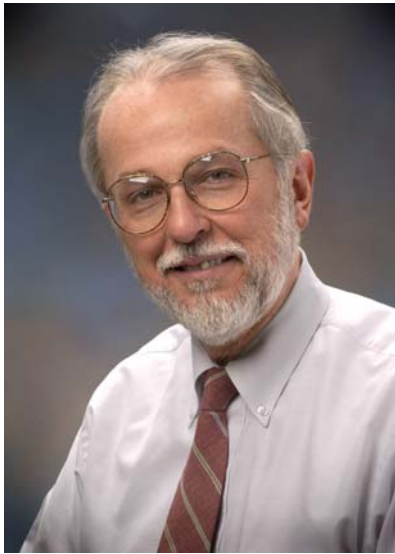
Dr Chowdhury is the Academic Dean of the College of Technology, and a full professor of Quality/Reliability and Manufacturing Systems at Kent State University. He received BS degree in Industrial Technology/ Manufacturing from Sam Houston State University, Huntsville, Texas; M Ed degree in Technology Education from Texas A&M University. He received the Doctorate in Technology Education from West Virginia University.



His research interests include Quality Control, Reliability Engineering, Burn-in/Stress Testing and Six-Sigma applications in Industrial Productivity/Measurement and Analysis. In addition to his Material Science and Manufacturing Systems background, his research also includes Technology Assessment, Technology Forecasting, Logistics, Value Engineering, Production Planning/Decision Making and Control. He has published extensively in areas of his expertise and education.

As an accomplished scholar, administrator and a teacher; Dr Chowdhury has served the higher education profession with a vision of an *“Engaged University Model”* promoting outreach, business and industry collaborations, institutional partnerships, applied research and technology transfer activities. He has been a major advocate of K-12/ Tech-Prep and Technical/ Vocational/ Engineering education at the high school level. In addition to his academic qualifications, he brings extensive technical training and industrial consultant experience with various companies and agencies such as, IBM, AT&T, Ford Motor Company, NASA Glenn and Johnson Space Center, Northeast Ohio Trade and Economic Consortium (NEOTEC), and the Ohio Department of Development (ODOD).

Recognizing the importance of globalization and the emerging world economic order, Dr Chowdhury has been engaged as an international visiting scholar and professor at various universities. Dr Chowdhury has received teaching excellence awards and professional recognition from the National Association of Industrial Technology (NAIT), International Honor Society Epsilon-Pi-Tau (*Laureate Citation and Distinguished Service Awards*), Honor Society for international scholars Phi-Beta-Delta, AMOCO Foundation, Society of Manufacturing Engineers (SME). He has served as the chair of the executive board and as the president of the university division of the National Association of Industrial Technology.



BANQUET SPEAKER

MR CHARLES LAVAN

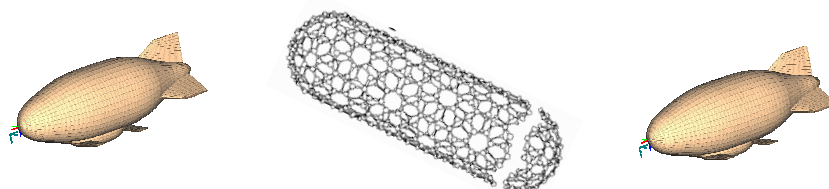
“From Nano-tubes to SUPER Blimps”

Chuck Lavan is one of Lockheed Martin’s most distinguished engineers with unique credentials in Lighter-Than-Air (LTA) programs. He has over 20 years experience as project engineer in LTA systems. He has served as Lead Engineer on High Altitude Airship (HAA) development contracts with the National Reconnaissance Office (NRO) and Ballistic Missile Defense Organization (BMDO).

Mr Lavan’s responsibilities have included Principal Investigator on the HAA Internal Research and Development (IRAD) program, focusing on power system development and materials development. He investigates new materials and construction methods for inflatable structures. He was System Engineer for the US Navy Airship program, Lead Engineer for Organic Long Endurance Airborne Area Surveillance System (OLEAASS), and power system and avionics development engineer for Goodyear’s GZ-22 advanced airship program. He has extensive time flying military payloads in airships including integration and test.



Previous to Mr Lavan’s LTA work, he was responsible for power systems on F-16 fighter jets when he was with the Westinghouse Aerospace Electrical Division. He received his BSME and MSME from Case Western Reserve University and continued his PhD studies at The University of Akron.





ACCESS PAST PRESIDENTS

During the years since its founding in 1946, 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 1980 includes:

1980	Anoop Krishen, ACS
1981	William Budd, AIChE
1982	William Budd, AIChE
1983	Richard L Buchanan, IEEE
1984	Marian M Rousek, ACS
1985	Raymond D Gates, ACS
1986	Joseph N Feil, AIChE
1987	Gene C White, ASQC
1988	Thomas Knupp, AIHA
1989	Nils E Nilsson, ADSPE
1990	Gary R Lanier, IEEE
1991	Daniel Gleghorn, AIHA
1992	Rob Ludlum, IEEE
1993	Kenneth Batchner, 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
2004	Dan Jones, ACS, AIChE, SPE
2005	Brent Sisler, PE, ADSPE, ASME
2006	Dan Jones, ACS, AIChE, SPE





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 1980 are listed:

Distinguished Award of Council	Year	ACCESS Award
Dr Robert J Fawcett	1980	Mr Renato Ciccolini
Mr Robert O Lankenau	1981	Mr Clifton A Byers
Mr John H Gerstenmaier	1982	Mr John Kekela Mr Walter J Ruthenburg
Mr Delmer C Dague	1983	Mr Durward T Roberts
Dr Charles P Radar	1984	Mr William Budd
Mr Robert A Handelman	1985	Mr Rick L Buchanan
Mr F Vincent Prus	1986	Ms Marian M Rousek
Dr Louis A Hill, Jr	1987	Dr Anoop Krishen
Mr Tom H Barrett	1988	
Mr Edwin W Oldham	1989	Dr Raymond D Gates
Dr Joginder Lal	1990	Mr Marshall P Hyden
Dr Russell A Livigni	1991	Mr Joseph N Feil
Dr Edwin J C Sobey	1992	Mr Thomas W Knupp
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 Batchner
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
Mayor Donald L Plusquellic	2004	Ms Jan Ruthenburg
Mr George J Sacco, Jr	2005	Dr Daniel H Jones
Dr George Newkome	2006	





The Bridgestone Firestone Trust Fund is pleased to support ACESS in their efforts to promote careers in science and engineering. The Trust Fund offers one \$1,000 scholarship.



The Goodyear Tire & Rubber Company, the world's largest tire company, is proud to be a strong supporter of ACESS 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.



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

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



**Akrochem Corporation
Akron Section American Chemical Society
Akron Section American Society of Mechanical Engineers
Akron Section Institute of Electrical & Electronic Engineers
The Babcock & Wilcox Company
Bridgestone Firestone Trust Fund
Chemstress Consultant Company
Eagle Elastomer
Exxon Mobil - Advanced Elastomer Systems, LP
The Goodyear Tire & Rubber Company
Hottle and Associates
Lockheed Martin Maritime Systems & Sensors
OMNOVA Solutions Foundation
Summa Health Systems**

