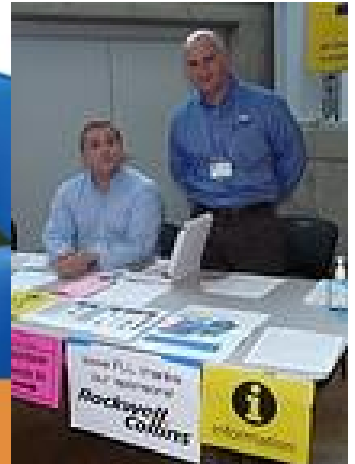




48th Annual National Engineers Week Banquet February 19, 2010



ENGINEERS MAKE A WORLD OF DIFFERENCE



35 QCESC Member Societies

(~ 23 active locally)

- **(ACS)** American Chemical Society
- **(AFS)** American Foundrymen's Society
- **(AIHA)** American Industrial Hygiene Association
- **(ANS)** American Nuclear Society
- **(APICS)** American Production and Inventory Control Society
- **(ASQ)** American Society for Quality
- **(ASABE)** American Society of Agricultural and Biological Engineers
- **(ASCE)** American Society of Civil Engineers
- **(ASHRAE)** American Society of Heating, Refrigeration and Air Conditioning Engineers
- **(ASME)** American Society of Mechanical Engineers
- **(ASPE)** American Society of Professional Estimators
- **(ASSE)** American Society of Safety Engineers
- **(AFE)** Association of Facilities Engineering
- **(AITP)** Association of Information Technology Professional
- **(ASM)** ASM International
- **(CCAI)** Chemical Coaters Association International
- **(CSI)** Construction Specifications Institute
- **(FPS)** Fluid Power Society
- **(IES)** Illuminating Engineering Society
- **(IEEE)** Institute of Electrical and Electronics Engineers
 - **(CS)** Computer Society Chapter
 - **(PES)** Power & Energy Chapter
 - St. Ambrose University Student Branch
- **(IIE)** Institute of Industrial Engineers
- **(ISA)** International Society for Measurement and Control
- **(NAWIC)** National Association of Women in Construction
- **(NDIA)** National Defense Industrial Association
- **(NSPE)** National Society of Professional Engineers
- **(SAE)** Society of Automotive Engineers
- **(SAME)** Society of American Military Engineers
- **(SAVE)** SAVE International
- **(SHPE)** Society of Hispanic Professional Engineers
- Sigma Xi
- **(SME)** Society of Manufacturing Engineers
- **(SWE)** Society of Women Engineers

QCESC Executive Board

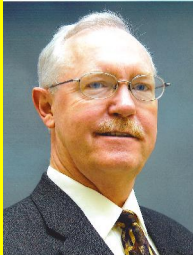
President,
Scott Bullock



President-Elect,
John Johnson



Student Chair
Steve Mapley



Award Chair
David Smith



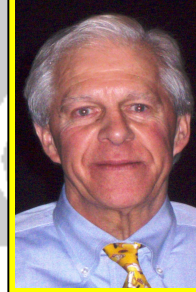
Treasurer,
Chris Hebel



PR Coordinator
Shelly Devore



Secretary,
Tom Richmond



Fund Raising
Mary Daniels



Director,
Pat Barnes





Arsenal Island





Kris Leinicke

Historical Overview of Arsenal

Edward Flinn

History of JMTC

QCESC Supporters

Sponsors - Student/Teacher Workshops/Events:	Partnerships:	Scholarship or Other Cash Contributions:
American Society of Civil Engineers (ASCE), Quad-Cities Section (\$100)	Augustana College	Member Societies:
Aston Engineers (\$300)	Bettendorf High School	American Society of Agricultural and Biological Engineers (ASABE), Quad City Section (\$200)
Bi-State Steel (\$100)	Black Hawk College	American Society of Civil Engineers (ASCE), Quad-Cities Section (\$100)
Brandt Construction (\$100)	Iowa Mathematics & Science Education Partnership (IMSEP)	ASM International, Quad Cities Chapter (\$500)
Civil Constructors (\$100)	Iowa State University Engineering College	Institute of Electrical and Electronics Engineers (IEEE), Iowa-Illinois Section (\$400)
Flaherty, Hanson, and Baer (\$100)	Mississippi Bend Area Education Agency (AEA)	Institute of Industrial Engineers (IIE), Mississippi Valley Chapter (\$200)
General Constructors (\$100)	Pleasant Valley High School	National Defense Industrial Association (NDIA), Iowa-Illinois Chapter (\$1,000)
Happy Joe's Pizza	Project Lead the Way (PLTW), Davenport Schools	Society of Automotive Engineers (SAE), Mississippi Valley Section (\$1,000)
Howard R. Green	Putnam Museum & IMAX Theatre	Society of American Military Engineers (SAME), Rock Island Post (\$500)
Howard Steel (\$100)	Quad Cities Graduate Center	Society of Women Engineers (SWE), Quad Cities/Muscatine Section (\$50)
Institute of Electrical and Electronics Engineers (IEEE), Iowa-Illinois Section (\$100)	Quad Cities High School STEM Teachers	
Missman Stanley & Associates (\$300)	Rivermont Collegiate	Industry or Businesses:
Papa John's Pizza	Rock Island County Regional Office of Education (ROE)	Trissel Graham & Toole Inc. - \$200
Russell Construction (\$100)	St. Ambrose University	
Ryan Companies (\$100)	Scott Community College	Individuals:
Society of American Military Engineers (SAME), Rock Island Post (\$300)	University of Illinois Extension, Rock Island County	Harold Bennett (\$100)
T. Richmond Associates (\$100)	University of Iowa Engineering College	Mary Daniels (\$40)
Terracon (\$50)	Western Illinois University	Kim Findlay (\$50)
Townsend Engineering (\$100)	Silent Auction:	Michael Gindl (\$10)
W.G. Block (\$200)	Barjan Depaep's	Chris Hebel (\$40)
World Class Fitness	DePaepe's World Class Fitness	Kevin Johnson (\$15)
	Front Street Brewery	Danielle Kimler (\$25)
	Jumer's Casino & Hotel	Jay Olson (\$35)
	M.A. Ford Company	Chris Trefry (\$35)
	Nelson Chiropractic - Bettendorf	David Tepen (\$35)
	PAR' Excellence Salon	
	Putnam Museum & The IMAX Theatre	
	St. Ambrose University	
	Trissel Graham & Toole, Inc	

The QCESC Executive Board would like to thank the above societies, companies, and organizations for their strong support in 2009-2010

Special Thanks - \$1,000+

- **National Defense Industrial Association (NDIA), Iowa-Illinois Chapter**

- \$1,000 to QCESC



- **Society of Automotive Engineers (SAE), Mississippi Valley Section**

- \$1,000 to QCESC



- **Putnam Museum and IMAX Theater**

- Summer Camp, FIRST LEGO League State Qualifier, Bridge Building Contest



- **Iowa State University Engineering College**

- \$3,000 in Scholarships + Students Prizes
- FIRST LEGO League Regional



- **University of Iowa Engineering College**

- \$3,000 in Scholarships + Students Prizes
- FIRST Tech Challenge Scrimmage



The logo is a circular emblem. The outer ring contains the text "TISHKHAN UNIVERSITY OF ENGINEERING & SCIENCE" at the bottom and "QUAD CITY" at the top. In the center of the emblem is a gear with a stylized building or tower in the middle of it.

Scholarship Awards

QCESC \$2,000 Scholarship



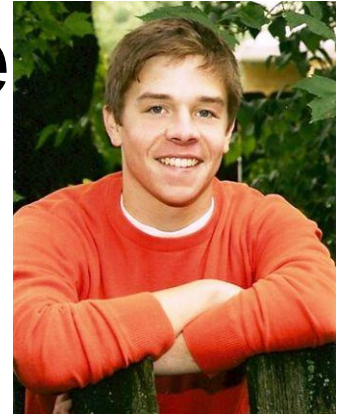
- **Michelle Brus – Davenport West**
- Ranked 1st in Class of 430, 4.00 GPA, 31 ACT
- Took 5 Project Lead the Way courses
- Member of National Honor Society, Drama Tech Crew and Band
- Co-Captain of Electric Car Team
- Community and Church Volunteer
- Plans to Major in Agricultural Engineering at Iowa State University
- Daughter of Tom and Sandra Brus of Davenport

QCESC \$2,000 Scholarship



- **Matthew MacLennan – Alleman**
- Ranked 5th in Class of 103, 4.53 GPA, 34 ACT
- Illinois QC Chamber of Commerce Academic Achievement Award
- Member of National Honor Society and Pep Band
- Community and Church Volunteer
- Plans to Major in Computer Engineering
- Accepted at the University of Notre Dame, Purdue, and Illinois, Waiting to Hear From M.I.T. and Carnegie Mellon
- Son of Mike and Katie MacLennan of East Moline

University of Iowa Eng. College \$1,000 Scholarship



- **Kevin Johnson – Rock Island H.S.**
- Ranked 1st in Class of 290, 4.00 GPA, 31 ACT
- Illinois State Scholar and Illinois QC Chamber of Commerce Academic Achievement Award
- Member of National Honor Society, Student Council and Band
- President of the Key Club
- Raised \$2,200 thru “Treats for Trinity Pediatric” Project He Created
- Plans to Major in Biomedical Engineering at the University of Iowa
- Son of Kevin and Rhonda Johnson of Rock Island

University of Iowa Eng. College \$1,000 Scholarship



- **Allison Vandecar – Davenport Central**
- Ranked 1st in Class of 313, 4.00 GPA, 31 ACT
- MAC All Conference Academic Team Participating in Softball, Track and Cross Country
- Member of National Honor Society and Band Drum Major
- Iowa All-State Honor Band – 3 years
- French Horn and Piano Honors
- Community and Church Volunteer
- Plans to Major in Industrial Engineering at the University of Iowa
- Daughter of Kirk and Jo Vandecar of Davenport

Iowa State Univ. Eng. College

\$1,000 Scholarship



- **Danielle Kimler– Davenport Central**
- Ranked 10th in Class of 313, 4.00 GPA, 30 ACT
- Member of National Honor Society and Key Club
- Iowa All-State Orchestra
- French Horn and Choral Honors
- Community and Church Volunteer
- Plans to Major in Electrical or Computer Engineering at Iowa State
- Daughter of Dave Kimler and Barb Lester of Davenport

Iowa State Univ. Eng. College \$1,000 Scholarship



- **Chris Harre – Davenport Central**
- Ranked 22nd in Class of 310, 3.92 GPA, 29 ACT
- Academic Excellence Honors, National Honor Society Board Member and Vice President of 4-H Club
- Runs Cross Country and Played Soccer Receiving All Conference Academic Honors
- Plans to Major in Civil Engineering at Iowa State University
- Son of Ray and Barb Harre of Davenport



Awards

Junior Engineer of the Year



- **Christopher Trefry**
- **Hydraulic Engineer with the Rock Island District of the U. S. Army Corps of Engineers**
- Currently Serves in the Water Control Section that Operates 11 Locks and Dams on the Mississippi River
- Active with Outreach Programs to High School Students Interested in Engineering Careers.
- Member of Rock Island Post of Society of American Military Engineers (SAME)
- Written Multiple Publications on Hydrology and Rainfall Frequency Analysis.
- Received Various Awards from Dept of Army Including for His Exceptional Performance in Response to 2008 Midwest Flood.
- Received B.S. and M.S. in Civil Engineering from Michigan Tech University and is Licensed Professional Engineer and Certified Professional Hydrologist.
- Lives in Milan with this wife Rochelle and Daughter Lauren.

Senior Engineer of the Year



- **Jay Olson**
- **Global Technology Manager, Polymers Materials Eng. - John Deere Technology Innovation Center**
- Key Leader in John Deere's Worldwide Development and Application of Polymers throughout its Product Lines including the Application of Soy and Corn Based Composite Panels.
- Includes the First Applications of Polymers in the Industry For Several Applications
- Holder of 17 U.S. Patents
- Led Patented Design for Meter Planting System Which Has Been in Production for 24 Years
- Received B. S. in Mechanical Engineering from the University of Illinois at Urbana-Champaign and Executive MBA From the University of Iowa
- Licensed Professional Engineer and Member of Society of Plastics Engineers, the American Society of Agricultural and Biological Engineers (ASABE) and Society of Automotive Engineers (SAE).
- A Resident of Bettendorf, Iowa

Senior Scientist of the Year



- **Joseph Jordan**
- **General Biologist, with the Rock Island District of the U. S. Army Corps of Engineers**
- Currently Plans and Monitors Projects that Provide Critical Migrating Waterfowl and Overwintering Fish Habitat on the Mississippi River.
- Led National Environmental Policy Act and Endangered Species Act Coordination and Compliance for Several Critical Civic Works Construction Projects
- Began his Career as a Corps of Engineers Park Ranger
- Received B.S. in Fisheries and Wildlife Biology from Iowa State University
- Lives in Hampton, Illinois with His Wife Stephanie and son Charlie.
- Former Member of the Hampton Elementary School Board of Education and Remains Active in the Annual Living Lands and Waters Xtreme Cleanups

Lifetime Achievement Award



- **Larry Pithan**
- **Senior Vice President with KJWW Engineering Consultants**
- Instrumental in KJWW Obtaining a Top 20 National Ranking as Well as Providing Outstanding Support to the Engineering Profession
- Continues to Provide Outstanding Contributions to Education, Training and Mentoring of High School and College Students
- Received B.S. in Mechanical Engineering from Iowa State University and Licensed Professional Engineer in 12 states
- In 2007, Recognized for his Endowment of a Full Professorship at Iowa State University in the Mechanical Engineering Department.
- Active member of the American Society of Heating, Refrigerating and Air-Conditioning Engineers, the American Society of Mechanical Engineers, the National Society of Professional Engineers and the Iowa Engineering Society
- Lives in Andalusia, Illinois with His Wife Pam.

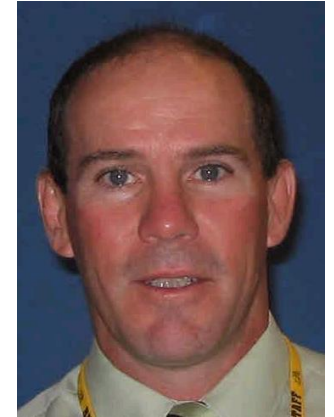
Society of the Year



- **Institute of Electrical and Electronics Engineers (IEEE), Iowa-Illinois Section**
- **Jim White, 2009 Section President**

- IEEE is the world's largest professional association advancing innovation and technological excellence for the benefit of humanity.
- Iowa-Illinois Section founded in 1954 with 250 members located in Iowa and Illinois bordering the Mississippi River
- Iowa-Illinois Section sponsored 22 Professional, technical & social meetings in 2009
- Actively supported the QCESC including by attending events, providing volunteers, and making generous contributions to student events including the scholarship fund
- Launched New Local Computer Chapter along with Supporting Power Engineering Chapter and St. Ambrose Univ. Student Branch
- Supporter for STEM Activities in Quad Cities Including Sponsoring Two Members to Attend Fly-In For Congressional meetings in Washington, DC

STEM Teacher of the Year



- **Daniel Drexler**
- **Industrial Technology Instructor, Bettendorf High School**

- Pioneered the First Technology Modular Classroom in the North Carolina
- One of the First in Iowa to Incorporate Pro/Engineer into High School CAD Class
- Coached Electrathon Team - Students Worked with Local Engineers to Build an Electric car. Team was a State Finalist
- Started the Cardboard Boat Regatta Competition for Local Schools
- Coach for Bettendorf FIRST LEGO League Teams Last Two Years Including Qualifying for State
- Instrumental in Launching QC STEM Teachers Group with QCESC
- Received B. A. Industrial Technology Education, University of Northern Iowa and M. A., Teaching and Learning Graceland University
- Resident of Bettendorf with his Wife Donna and their daughters Abigail (16), Olivia (14), Eleanor (10), Anastasia (5).



Guest Speaker
Dr. Jeffery Weld

STEM Education Efforts
Across Iowa



Keynote Speaker
Congressman Phil Hare



Closing Remarks

Mr. Himsl