

### Innovative Sustainability Award

University of Detroit Mercy

### Building with the American Spirit: People, Projects & Communities Award

Barton Malow Company

### Electrotechnology Award

Institute of Electrical & Electronics Engineers  
Southeast Michigan Chapter

### Herbert W. Link Visionary Award

Link Engineering Company

### Incorporation of Plastic Materials Award

Society of Plastics Engineers Detroit Section

### Most Healthy Community Award

Blue Cross Blue Shield Blue Care Network of Michigan

### Most Sustainable Food Production Award

American Society of Agricultural & Biological Engineers

### People's Choice Award

Ford Motor Company Fund

### Safest City Award

Hartland Insurance Group, Inc.

### Sustaining Our Future Award

Golder Associates Inc.



COMPETITION

MICHIGAN 2018

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THE ENGINEERING SOCIETY OF DETROIT®  
FOUNDED IN 1895



COMPETITION  
MICHIGAN 2018

MONDAY, JANUARY 22, 2018  
SUBURBAN COLLECTION SHOWPLACE  
NOVI, MICHIGAN

PRESENTING SPONSORS



Ford Motor Company Fund

## SPECIAL AWARDS

### Architectural Engineering of an Integrated, High Performing City Award

Lawrence Technological University

### ASQ-Quality Improvement Award

American Society for Quality, Greater Detroit Section 1000

### Best City for People with Disabilities Award

Michigan Paralyzed Veterans of America

### Best Communication System Award

Society of Women Engineers, Detroit Professional Section

### Best Engineered Project Award

NTH Consultants, Ltd.

### Best Futuristic Transportation Award

DENSO International America, Inc.

### Best Land Surveying Practices Award

National Council of Examiners for Engineering and Surveying

### Best Project Plan Award

Project Management Institute – Great Lakes Chapter

### Best Schoolhouse Award

Eastern Michigan College of Technology

### Best Use of Alternative or Renewable Fuels Award

Dürr Systems Inc.

### Best Use of Energy Award

DTE Energy Foundation

### Best Use of Green Principles Award

U.S. Green Building Council – Detroit Regional Chapter,  
Green Schools Committee

### Best Use of Materials Award

ASM International, Detroit Chapter

### Best Waste Management and Recycling Award

East Michigan Chapter of the Air & Waste  
Management Association

### Building a World of Difference Award

Black & Veatch

# AGENDA

**7:30 – 8:30 am**  
**Teams Arrive and Set-Up Models**  
 Location: Diamond Ballroom

**7:30 – 9:00 am**  
**Continental Breakfast**  
 Location: Exhibit Hall C

**7:30 – 9:00 am**  
**Measuring of Models**  
 Location: Diamond Ballroom

**9:00 – 11:00 am**  
**Preliminary Judging**  
 Location: Diamond Ballroom

**9:00 – 11:00 am**  
**Special Awards Judging**  
 Location: Diamond Ballroom

**9:00 – 11:00 am**  
**Robot Building Activity**  
 Location: Exhibit Hall C

**11:00 am – 12:00 pm**  
**Lunch**  
 Location: Exhibit Hall C

**12:00 – 2:00 pm**  
**Judging Session for Top Five Finalists**  
 Location: Diamond Ballroom

**2:00 – 3:00 pm**  
**Awards Ceremony**  
 Location: Diamond Ballroom



	SCHOOL TEAM	PRESENTATION TIME	EDUCATOR	MENTOR	ROOM
BLACK	Trinity Lutheran School, Team 1, Utica	9:00 - 9:20 a.m.	Loren Sheppard	Melinda Coulthard and Chris Miller	Sapphire
	Agnes E. Beer Middle School, Warren	9:30 - 9:50 a.m.	Lisa Wild		Sapphire
	Sarah Banks Middle School, Team 1, Wixom	10:00 - 10:20 a.m.	Kim Hamlin	Joel Bussell, PE	Sapphire
	Gompers Elementary-Middle School, Detroit	10:30 - 10:50 a.m.	Melissa Goins		Sapphire
GREEN	DeWitt Junior High School, DeWitt	9:00 - 9:20 a.m.	Linda Maxwell	Gilbert M. Barish, P.S., CFedS	Sapphire
	Central Middle School, Port Huron	9:30 - 9:50 a.m.	Renee Hinkley	Patrick Phelan	Sapphire
	Bates Academy, Team 3, Detroit	10:00 - 10:20 a.m.	Kimberly Finley	Cary Junior	Ruby
	STEM Middle School of Dearborn Public Schools, Team 3, Dearborn Heights	10:30 - 10:50 a.m.	Jennifer Gleason	Gene D. Dickirson, PE	Ruby
PURPLE	Sarah Banks Middle School, Team 2, Wixom	9:00 - 9:20 a.m.	Kim Hamlin	Joel Bussell, PE	Ruby
	Herbison Woods School, Team 3, DeWitt	9:30 - 9:50 a.m.	Linda Maxwell	Gilbert M. Barish, P.S., CFedS	Ruby
	4-H M-YEARS Farwell Youh Association, Southfield	10:00 - 10:20 a.m.	Katrina LeFlore	Dr. Sibrina Collins	Ruby
	St. John Lutheran School, Rochester	10:30 - 10:50 a.m.	Linda Gerhardt		Ruby
RED	Geisler Middle School, Walled Lake	9:00 - 9:20 a.m.	Dr. Leandra Edwards-Brandel	Jerome C. Neyer, FESD	Opal
	University Prep Science and Math Middle School, Team 1, Detroit	9:30 - 9:50 a.m.	Neil MacLellan	Lisa Thomas and David L. Bussell	Opal
	Navigator Upper Elementary, Pinckney	10:00 - 10:20 a.m.	Lisa Merte	Randy Paquette	Opal
NAVY	North Star Montessori Academy, Team 2, Marquette	9:00 - 9:20 a.m.	John Gillette		Opal
	STEM Middle School of Dearborn Public Schools, Team 2, Dearborn Heights	9:30 - 9:50 a.m.	Jennifer Gleason	Gene D. Dickirson, PE	Opal
	University Prep Science and Math Middle School, Team 2, Detroit	10:00 - 10:20 a.m.	Neil MacLellan	Lisa Thomas and David L. Bussell	Opal
	Bates Academy, Team 2, Detroit	10:30 - 10:50 a.m.	Kimberly Finley	Cary Junior	Garnet
WHITE	Bates Academy, Team 1, Detroit	9:00 - 9:20 a.m.	Kimberly Finley	Cary Junior	Garnet
	New Era Christian School, Team 1, New Era	9:30 - 9:50 a.m.	Phil Morse		Garnet
	St. Valentine Catholic School, Redford	10:00 - 10:20 a.m.	Meghan Ciechanowski	John Danic and Daniel Brooks, PE	Garnet
	Herbison Woods School, Team 1, DeWitt	10:30 - 10:50 a.m.	Linda Maxwell	Gilbert M. Barish, P.S., CFedS	Garnet
ORANGE	New Era Christian School, Team 2, New Era	9:00 - 9:20 a.m.	Phil Morse		Garnet
	Pierce Middle School, Grosse Pointe Park	9:30 - 9:50 a.m.	Carrie Morris		Pearl
	Herbison Woods School, Team 2, DeWitt	10:00 - 10:20 a.m.	Linda Maxwell	Gilbert M. Barish, P.S., CFedS	Pearl
	Trinity Lutheran School, Team 2, Utica	10:30 - 10:50 a.m.	Loren Sheppard	Melinda Coulthard and Chris Miller	Pearl
BLUE	University Prep Science and Math Middle School, Team 3, Detroit	9:00 - 9:20 a.m.	Neil MacLellan	Lisa Thomas and David L. Bussell	Pearl
	North Star Montessori Academy, Team 3, Marquette	9:30 - 9:50 a.m.	John Gillette		Pearl
	North Star Montessori Academy, Team 1, Marquette	10:00 - 10:20 a.m.	John Gillette		Coral
GREY	International Technology Academy, Pontiac	9:00 - 9:20 a.m.	Delisa Ervin-Barnard	Raymond S. Clark, AIA, LEED AP	Coral
	Sarah Banks Middle School, Team 3, Wixom	9:30 - 9:50 a.m.	Kim Hamlin	Joel Bussell, PE	Coral
	STEM Middle School of Dearborn Public Schools, Team 1, Dearborn Heights	10:00 - 10:20 a.m.	Jennifer Gleason	Gene D. Dickirson, PE	Coral
BROWN	Defer Elementary School, Grosse Pointe Park	9:00 - 9:20 a.m.	Carrie Morris		Jade
	Ypsilanti Community Middle School, Ypsilanti	9:30 - 9:50 a.m.	Kristen Kreiner	Brain Jewell	Jade
	Mayville Middle School, Mayville	10:00 - 10:20 a.m.	Patricia McNinch	Ghazi Rayes	Jade