

## GRAF Teams participating (14)

Division	TeamID	Team Name	Org/School Name	Coach	City
Jr Robo Performing Arts	1259-1	RoboCruisers	Robocruisers	Wei Liu	Canton
	1315-1	Creative Canucks	Club Cranium	Thas Yuwaraj	Markham, Ontario, Canada
	1746-3	Five Girls	Renaissance Homeschool Group	Patty Obrien Novak	Livonia
	1746-4	Team Atomaton	Renaissance Homeschool Group	Patty Obrien Novak	Livonia
Jr Robo Visual Arts	1232-2	Technocrats	Canton Charter Academy	Pavneet Dhingra	Canton
	1283-1	GrafCraft	Homeschool	Molly And Max Pelic	Northville
	1420-1	The Supernovas	Highland Middle School	Robb Colbrunn	Hinckley, Ohio
	1700-3	Courageous	Homeschool Robotics	Jackie Ryan	Sterling Heights
Sr Robo Performing Arts	1700-1	Courageous	Homeschool Robotics	Jackie Ryan	Sterling Heights
Sr Robo Visual Arts	1259-4	RoboCruisers	Robocruisers	Wei Liu	Canton
	1283-2	All 2 JESUS	Homeschool	Molly And Max Pelic	Northville
	1546-1	Moodpainter	Colegio Israelita De Mxico	Jose Antonio Romero Pliego	Mexico City, Mexico
	1700-11	Courageous	Homeschool Robotics	Jackie Ryan	Sterling Heights
	1907-1	Spruce Goose	Robohawks	Barry Brouillette	Farmington Hills

## GRAF Demonstrations (4)

FANUC Robotics, Eli Fry, David Fry, Jennifer Carbery, and David Carbery  
 LTU Golfball Arts, Prof. Jonathan Ruzsala, LTU Computer Science  
 LTU AIBO and DARWIN-OP Dance, Prof. Emily Trudell, LTU Computer Science  
 U of M Ann Arbor Robot Drawing System, Lauro Ojeda, Assistant Research Scientist, University of Michigan



## Upcoming events

- RoboParade at COBO Center on January 18, 2014 (Tentative)
- Robofest Spring Season Kick-off meetings at LTU - December 4 @ 3pm, December 6 @ 6:30pm, December 7 @ 10am

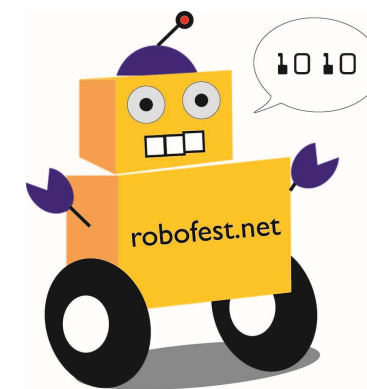
## Special thanks to the following:

- Macomb Community College and the Sports & Expo Center
- Everyone who brought food cans and helped with the construction of buildings. All the cans will be donated to Gleaners food bank through Lawrence Tech's Food Fight program
- All teachers, coaches, mentors, volunteers, and parents

Thanks to our Professional Organization Displays - Michigan Council of Women in Technology (MCWT), MI STEM Partnership, Society of Women Engineers (SWE) -Detroit, MCC College for Kids, 4H Tech Wizards, and Lawrence Technological University

# 8<sup>TH</sup> ANNUAL THANKSGIVING ROBOPARADE

In conjunction with



Inaugural Global Robotics Art Festival



Saturday November 23, 2013, 8:30 - 4:00 pm

Macomb Community College  
 South Campus Sports & Expo Center, Warren, MI

Robofest 2013 Major Sponsors



RoboParade® and GRAF™ are programs of Lawrence Technological University's Robofest®

# Schedule for the day

(\* all the teams are encouraged to setup and qualifying test on Friday 5pm ~ 8pm)

Time	RoboParade	GRAF
08:30 am	Team Check-in begins; set up team tables; PCA judge registration begins.	GRAF judge training begins by Dr. Lior Shamir, Chief GRAF Judge (Macomb room)
09:00 am	Qualifying Test with Written Exam (By Appointment ONLY)	GRAF Judges will visit team tables and ask questions.
11:00 am	Parade team introduction (Max. 1 minute is given for each team) – Prof. Ken Cook, Emcee	
12:00 pm	Lunch Break	Preliminary Judging Scores on Google Drive Due
12:45 pm	PCA judge registration ends. Announcements by Prof. Ken Cook, Chair LTU Dept of Engineering Technology. Introduction of Judges.	
12:47 pm	Presentation of national flags	
12:48 pm	National Anthem by William Asimakis, U of D Jesuit High School, NXT-MIDI robot, RoboMusic Camper	
12:52 pm	Opening Remarks by Ms. Jennifer Seger, Macomb Community College Associate Dean Applied Technology, Automotive, and Technical Education	
12:56 pm	Remarks by Dr. Virinder K. Moudgil, LTU President and CEO	
1:00 pm	Remarks by Major General, Amy S. Courter, CAP/USAFX & President of International Air Cadet Exchange Association	
1:05 pm	Start the official parade. Registered PCA judges are invited to get a Closer View of the Robots while Making their Selection for People's Choice Award.	
1:30 pm	Parade teams may fix robots. Teams are encouraged help other teams, if they have problems! No robots on official parade route. Use practice routes.	Official presentation of GRAF teams including professional demos (5 x 18 teams ~1 hr 30 min). Each team will be given max 4 minutes. No Q&A.
3:00 pm	Start the official parade 2. Registered PCA judges are invited to get a Closer View of the Robots while Making their Selection for People's Choice Award. PCA judging ends at 3:15pm.	GRAF judging scores must be submitted by 3:15pm to the score keeper.
3:35 pm	Award of participation trophies and group pictures	
3:45 pm	Closing and Award ceremonies (Raffle, GRAF and PCA winners will be announced) – Dr. David Bindschadler, Chair, LTU Dept of Math/Computer Science will present awards.	

**RoboParade Judges for People's Choice Awards:** YOU! Register and vote using your smart phone, tablet, or (public) laptops

**GRAF Judges:** Joseph Barczyk (AmeriCorps Member, Michigan 4-H Tech Wizards), Dr. Barbara Bolin (Executive Director, MI STEM Partnership), Jorge Chagas (LTU student), Andrew Hanzel (College Professor, LTU Art & Design), Maria Ketcham (Head Librarian, Detroit Institute of Arts), Gabriel Laguardia de Lima (LTU student), Lauro Djeda (Assistant Research Scientist, U of M), Gordon Stein (CS student, Robofest Lab assistant, LTU) Denise Trombly (Director, Art/ Design Group, Ltd.), Maria McKendrick (MCWT). **GRAF Chief Judge:** Dr. Lior Shamir (Assistant Professor, Computer Science, LTU)

## RoboParade Traffic rules (Qualifying Test)

1. Robot must be fully autonomous with an official rear bumper
2. Robot must have a reliable program to follow a black line on a bright surface.
3. Robot must have the ability to detect a vehicle in front of it and stop; then automatically re-start when the vehicle in front has cleared.
4. Robot must display current speed and the speed must be greater than 7cm / sec and less than or equal to 17 cm / sec
5. Length of a unit must be less than 35cm
6. Team must pass a written exam about speed calculation

## RoboParade Teams participating (39)

TeamID	Team Name	Org/School Name	Coach	City
528-2	R2 Bot	William D. Ford Career-technical Center	Zachary Maclean	Westland
714-3	RoboMasters	Emerson Elementary School	Kunjan Vyas	Detroit
1232-1	Technocrats	Canton Charter Academy	Pavneet Dhingra	Canton
1259-2	RoboCruisers	Robocruisers	Wei Liu	Canton
1394-1	Silent Knights	Marvin L Winans Academy	Suzanne Thebert	Detroit
1394-2	Undeclared	Marvin L Winans Academy	Suzanne Thebert	Detroit
1394-3	MAYBACH	Marvin L Winans Academy	Suzanne Thebert	Detroit
1570-1	Roboshark Lego Masters	Schalm Lego Robotics League	Todd Wisniewski	Clawson
1571-1	Roboshark Rollers	Schalm Elementary School	Andrea Auger Cole	Clawson
1571-2	Roboshark Elites	Schalm Elementary School	Andrea Auger Cole	Clawson
1700-2	Courageous	Homeschool Robotics	Jackie Ryan	Sterling Heights
1700-6	Courageous	Homeschool Robotics	Jackie Ryan	Sterling Heights
1700-7	Courageous	Homeschool Robotics	Jackie Ryan	Sterling Heights
1700-8	Courageous	Homeschool Robotics	Jackie Ryan	Sterling Heights
1700-9	Courageous	Homeschool Robotics	Jackie Ryan	Sterling Heights
1700-10	Courageous	Homeschool Robotics	Jackie Ryan	Sterling Heights
1711-1	The Fearsome Five	Tyshka/propson Homeschool	Shelly Tyshka	Washington
1712-1	Precious Pearls	Precious Pearls	Cynthia Edwards	Detroit
1746-1	Renaissance 001	Renaissance Homeschool Group	Patty O'Brien Novak	Livonia
1746-2	Renaissance 002	Renaissance Homeschool Group	Patty O'Brien Novak	Livonia
1869-1	Technowiz	Technowiz	Kannan Krishnamurthy	Novi
1875-1	STEM Forward	Stem Forward	Paul Braun	Huron Valley
1877-1	JMS Robo(squared)	Jefferson Middle School	Maira Woods	St. Clair Shores
1877-2	Robotics Patriots	Jefferson Middle School	Maira Woods	St. Clair Shores
1879-1	RoboJets	Robojets	Ramprasad Suribhotla	Superior Twp
1880-1	Brainiacs	Brainiacs	Jan Lenze	Livonia
1893-3	AOW Robos	Aow Robo	Ivy Horn	Warren
1897-1	St. Matthew Chargers	St. Matthew Lutheran School	Ronald Cabansag	Walled Lake
1898-1	Mighty Bots	Mighty Bots	Chenthilvel Subramanian	Commerce Twp
1905-2	RoboGirly	Robogirly	Jane Tarakhovsky	Lake Orion
1909-2	Team Ninjago	Team Ninjago	Mark Brucki	Farmington Hills
1911-2	johnny 5	Robofest	Tommy Lewis	Southfield
1929-1	The Astronaut Aliens	Friends School Detroit	Janet Gocay	Detroit
1929-2	Robo Buddies	Friends School Detroit	Janet Gocay	Detroit
1929-3	The Shadows	Friends School Detroit	Janet Gocay	Detroit
1932-1	Sweetshifters	Horatio Williams Foundation	Metro Banks	Detroit
1932-2	I-botz	Horatio Williams Foundation	Metro Banks	Detroit
1935-1, 2, 3	Our Lady of Victory	OLV School	Debbie Padalis	Northville
1937-1	Robot World	Robot World	Charles Schwarzwaldner	Ann Arbor

Updated on 11/21/2013