# Tech Center News®

WARREN, MICHIGAN

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**Covers the Tech Center and the Immediate Area** 

**JUNE 19, 2017** 

# GM Unleashes Newly-Built Autonomous Bolt EV

GM took a giant leap ahead in the race for autonomous vehicles with the construction of 130 Chevy Bolt EVs equipped with the next generation of self-driving technology.

GM Chairman and CEO Mary Barra revealed that the company had completed production of the test vehicles at its Orion Assembly Plant in Orion Township on June 13. The vehicles will join the more than 50 current-generation self-driving Bolt EVs already deployed in testing fleets in San Francisco; Scottsdale, Ariz.; and metro Detroit.

"This production milestone brings us one step closer to making our vision of personal mobility a reality," said Barra. "Expansion of our real-world test fleet will help ensure that our self-driving vehicles meet the same strict standards for safety and quality that we build into all of our vehicles."

GM became the first company to assemble self-driving test vehicles in a mass-production facility when its next generation of selfdriving Chevrolet Bolt EV test vehicles began rolling off of the line at Orion Township in January, Barra said.

The self-driving Chevrolet Bolt EVs feature GM's latest array of equipment, including LIDAR, cameras, sensors and other hardware designed to accelerate development of a safe and reliable, fully autonomous vehicle.



by TOM KRISHER and DEE-ANN DURBIN AP Auto Writers

DETROIT (AP) - Autonomous vehicles with no human backup will be put to the test on publicly traveled roads as early as next year in what may be the first attempt at unassisted autonomous piloting.

Automotive electronics and parts maker Delphi and French transport company Transdev plan to use autonomous taxis and a shuttle van to carry passengers on roadways in France.

The companies on June 7 said they plan to combine Delphi's self-driving technology with Transdev's knowledge of mobility operations. Transdev operates trains, buses, ferries and other transportation services in 19 countries, including the U.S.

Two on-demand Renault Zoe autonomous taxis will be deployed in Rouen, Normandy, and a shuttle van will run between a rail station and campus in the university district of Paris-Saclay. Both will start with humans on board later this year, with the intent of going fully autonomous sometime in 2018.

From the start, the shuttle van won't have a steering wheel or pedals, and humans will be inside solely to communicate with passengers, said Leriche, chief performance officer at Transdev

But humans at a central dispatch center would still be able

**CONTINUED ON PAGE 9** 



GM CEO Mary Barra on June 14 showed off one of the Bolt EVs, with Lidar, GM built at Orion Assembly.

self-driving cars, we must deploy them at scale,"said Cruise Automation CEO Kyle Vogt.

"By developing the next-generation self-driving platform in San Francisco and manufacturing these cars in Michigan, we are creating the safest and most consistent conditions

"To achieve what we want from to bring our cars to the most challenging urban roads that we can find.'

GM and Cruise Automation engineers have been testing Chevrolet Bolt EVs equipped with self-driving technology on public roads in San Francisco and Scottsdale since June 2016 and on public roads in Warren, Mich., since January of this year. The Associated Press reported what GM is doing is similar to what Waymo and Fiat Chrysler did last year, says Sam Abuelsamid, a senior analyst with Navi-

gant Research.

Fiat Chrysler assembled 100

**CONTINUED ON PAGE 3** 

#### Warren Library **Hosting Program** On Detroit Riot

The Miller Library is welcoming the Detroit Historical Society on Thursday, July 20, at 6 p.m. as the organization presents, "Detroit '67: Myth of the Model City."

This program explores both the lead up to and the uprising of 1967, said Warren librarian Amy Nelson.

"Understanding what led to the uprising is imperative to understanding the unrest," Nelson said. "Additionally, this lecture will seek to dispel the many myths that surround '67.'

This presentation will be held in Conference Room A (Room 203) of the Warren Community Center. Registration is required, Nelson said.

Those interested in attending the event are asked to call 586-751-5377 to register.

The Miller Branch Library is located at 5460 Arden in the Warren Community Center (between 14 Mile and Chicago, west of Mound).

For more information on this and other events at the Miller branch, people should call 586-751-5377.

The Detroit Historical Society is located in the Detroit Historical Museum, 5401 Woodward Avenue. Detroit.

Call 313-833-1805 for more information on the Society and its programs.

### Modern RVs Are Built on a Foundation of Ford Chassis

Growing numbers of families are answering the call of the road by embarking on adventures in RVs built on Ford chassis.

Many people don't know that Ford is America's best-selling motorhome chassis manufacturer, said Ford spokesman Jiyan

RV shipments were up 15 percent year-over-year in 2016, hitting their highest level in 40 years, according to the Recreation Vehicle Industry Association. And the trend is continuing, Cadiz said. Through March, total RV shipments were up nearly 12 percent. The association estimates the RV industry provides 290,000 U.S. jobs and has a \$49.7 billion annual impact on the country's economy.

The biggest sales increase is

coming from the smallest motorhomes, Cadiz said. Shipments of camper vans - standard vans like Ford Transit outfitted with sleeping and living areas - are up more than 36 percent through March. Class C motorhomes – RVs built on cutaway chassis including the Ford E-Series consisting of vehicle frame, suspension, powertrain and cab - are also rolling out at a rapid pace, with shipments up more than 32 percent through March, according to the Recreation Vehicle Industry Association.

Ford leads the motorhome chassis market in Classes A, B and C, holding 63.8 percent share in 2016, up from 61.2 percent in 2015, according to data from Statistical Surveys Inc., a market analysis company specializing in



This Winnebago Fuse RV is built using a Ford chassis.

the RV, marine and manufactured cutaways was 69 percent, up 2016, Ford's share of the Class C market with Transit and E-Series

housing industries, Cadiz said. In from 65 percent in 2015, while its

CONTINUED ON PAGE 2



This Ford Model A was one of the vehicles at the EyesOn Design show.

# 2017 EyesOn Design Show Features Classic Vehicles

by Jim Stickford

The 2017 EyesOn Design on June 18 featured some exciting vehicles not often seen at car

This year also celebrated the event's 30th anniversary, said Dr. Philip Hessburg, Detroit Institute of Ophthalmology medical director and event founder. The event has always raised money for the DIO, which is part of the Henry Ford Health System.

"In the 30 years of the event, we've netted more than \$4 million," Hessburg said. "This year we will, when everything is added up, net more than

\$100,000. I want to emphasize that I am using the term 'net' and I use that word for a reason. All too often people who hold charity events talk about what they gross and don't mention what they net after expenses. And the money we've raised is all thanks to volunteers.'

Kathy Lightbody, 2017 EyesOn chairwoman, said that the theme of the 2017 show, again held at the Eleanor and Edsel Ford Estate in Grosse Pointe Shores, is to highlight vehicles which represent era-defining body styles and illustrate the critical role

**CONTINUED ON PAGE 9** 

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#### Ford's Chassis **Foundation of RV Growth**

**CONTINUED FROM PAGE 1** 

share of the Class A market, led by the F-53 chassis, was 67.6 percent, up from 66 percent. RV manufacturers just started building Class B motorhomes on Transit last year.

"We're seeing tremendous growth in Ford Transit and E-Series sales to the RV market," said Dennis Bearden, Ford RV and Pool Account manager.

"Last year, our Class C motorhome sales were up 28 percent, and as more motorhome manufacturers build on Transit, our Class B sales are also climb-

'Combine that with our longestablished popularity in the Class A market, and it's apparent families looking for adventure of any size can find it in a Fordbased motorhome.'

Like most RVs built on them, Ford Transit, E-Series and F-53 chassis are assembled in the United States for the North American market, Cadiz said.

### **BASF Debuts Its Latest Color Palate for Automakers**

Car colors are important, said Paul Czornij, head of Design for BASF North America.

Czornij unveiled BASF's latest vehicle paint colors in Detroit June 14 at a special presentation of the company's 2017-2018 Automotive Color Trends predictions to the media.

presentation, titled, "Translucid" - a combination of transparent and lucid - talked about how consumers have a desire for more simplicity and transparency in a digital world. Hence, the word, translucid.

The designers of BASF's Coatings division translated the question of individual data control, as well as the need for an extensive gathering of information for technical and social possibilities into a collection of 65 new automotive colors, Czornij said.

"In the digital world, the beauty of the body and other analog objects gain more attention with an increasing number of people looking to hide from data collectors and surveillance," Czornij said.

"Warm, beige colors deal with aspects of the skin, while dark and light blues express digitalization of the human body.'

In addition, data exchanged without the confines of time and space create fluid boundaries. Cars are developing from vehicles into highly complex products that communicate intensively with drivers and the environment, Czornij said.

The intricacy of people's connection to objects is reflected in dimensional sparkle and a mixture of crisp and clear effects. Pastel and chromatic colors and intense blues represent the image of new technologies and emphasize the uniqueness of the digital age.

In general, the relationship of fascination and fear as seen in the reflection in our digital mirror oscillates between dark and medium grays.

The designers of BASF's Coatings division in China, Japan, the United States, and Germany develop up-and-coming colors for the automotive industry every year, conducting extensive research and in-depth analysis, Czornii said. They uncover global trends and cultural shifts that will influence vehicle color choices three to five years from now.

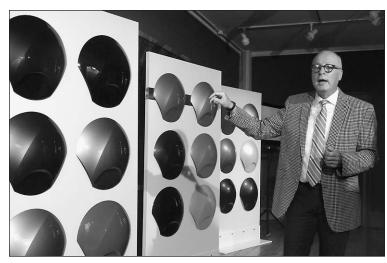
In addition to identifying global trends, the regional design teams find unique themes influenced by local circumstances and conditions in Europe, Middle East and Africa (EMEA), North America, and Asia-Pacific.

"Technology's encroachment on our daily lives and the desire to break away and reconnect to a more natural world, the community with renewed emphasis on open debate and our own body were the inspirations behind the top three North American colors," Czornij said. "Our research found a cultural desire to bring nature closer to daily life and find a deeper connection to the human body for our own wellness," said Čzornij. "Blue continues to gain strength as an automotive color position, and it has a calming effect and a strong correlation with natural things, which is why we selected Undercurrent Blue as our key color for this region.'

Trying to get ahead of color trends isn't easy, Czornij said. BASF has to predict what will be big four or five years from the present.

And they have to work with OEMs to meet their needs. And color affects sales.

"We know when consumers resist a color, the take rate of cars in that color goes down," Czornij said. "So we have to monitor people and their preferences and we have to work closely with OEM design teams."



Czornij shows examples of some of BASF's new color creations.

# Achates Power Seen as Growing Company

Achates Power, Inc. on June 8 was named a Michigan Economic Bright Spot for 2017 by Corp! Magazine, a Michigan business publication, said Achates spokesman Andrew Schreck.

The Economic Bright Spot award is presented annually to Michigan companies who have exhibited economic growth and expansion throughout the year, Schreck said.

Achates Power is a developer of radically improved internal combustion engines that increase fuel efficiency, reduce greenhouse gas emissions and cost less than conventional engines, said Schreck.

Achates Power was recognized for its accelerated growth since opening the company's second office in 2015, in Metro Detroit.

Achates Power opened the company's second office in 2015, in Farmington Hills. The company has seen overall financial growth of 157 percent from 2015 to 2016, and has quickly filled their local office space faster than the anticipated three-year time frame, Schreck said.

"There are enormous growth opportunities in Michigan for Achates Power. The recognition from Corp! Magazine as a Michigan Economic Bright Spot is just the beginning," said David Johnson, CEO and president of Achates Power, Inc.

"We anticipate our strong growth trend to continue as engine manufacturers continue to look at how to meet future emissions regulations."

Corp! Magazine has been celebrating Michigan companies that continue to progress in economic growth, expansion and talent attraction for the past 10 years, Schreck said.

This year's Corp! award winners were honored at a luncheon at the International Banquet Center in Detroit.

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### **Recalled VW Vehicles Stacking Up**

BRAINERD, Minn. (AP) - The Agency said. The cars may be refate of thousands of recalled Volkswagens that are being stored in central Minnesota is undetermined.

The vehicles are being stored in Brainerd as part of a massive recall launched by Volkswagen to settle allegations that it violated the U.S. Clean Air Act, Minnesota Public Radio reported on June

The company admitted to installing computer software on vehicles which allowed them to emit more air pollution than legally allowed but still pass federal emissions tests.

Volkswagen hopes to fix the vehicles' emissions systems and resell the cars. But the U.S. Environmental Protection Agency first has to approve the fix, the Minnesota Pollution Control

cycled if the repairs aren't approved.

Julie Kletscher lives near the former paper mill where the vehicles are being stored.

"I can only hope that they resolve or figure out what they're going to do with these cars sooner than later," Kletscher said. "Because I can't imagine what that's going to look like in 10 years if it sits there that long. We'll have ourselves an old junk shop across the road."

Other area residents are concerned recycling will be noisy

and create a lot of dust. The area was probably chosen as a collection point because of its central location. Estimates indicate that there are about 5,000 cars being stored there from as far as the Twin Cities and Fargo.





The XT5 has proven a sales success globally for the Cadillac brand.

#### Cadillac Global Sales Grow

true world brand are beginning to bear fruit.

**JUNE 19. 2017** 

Cadillac globally sold 29,738 units in May 2017, an increase of 33.8 percent – driven by strong year-over-year growth in all markets, said Cadillac spokesman Jorge Lavina. May marked the 12th consecutive month of double-digit growth for Cadillac, and continued execution of the brand's globalization strategy.

Cadillac sales have increased 32 percent globally year to date. In the midsize luxury crossover category - the industry's strongest segment - the sustained popularity of the acclaimed XT5 has resulted in a 43.6 percent sales increase so far in 2017. Lavina said.

The new luxury crossover was the brand's best seller worldwide in May, totaling 11,735 units. In addition, sales of Cadillac's ATS sport sedan and coupe models grew 45.2 percent for the month, while the XTS luxury sedan rose 20.7 percent.

Despite continued contraction in the U.S. market for luxury brand."

Cadillac's efforts to become a sedans, which represent the mainstay of the Cadillac product portfolio at present, Cadillac achieved strong growth in the U.S. in May, with sales increasing 9.2 percent. This was achieved due to the strong demand for the XT5 and iconic Escalade models. The average transaction price for a new Cadillac in the U.S. in May continues to remain above \$54,000, the second highest amongst major luxury automotive brands.

In Asia, the brand grew over 65 percent, thanks to a robust performance in China, South Korea and Japan, Lavina said.

"Cadillac has earned doubledigit monthly gains in global sales growth for an entire year," said Cadillac President Johan de Nysschen. "Not only have we increased sales volume with the success of vehicles such as the XT5 luxury crossover, but we also continue to see consumers selecting a richer mix of models. keeping Cadillac's average transaction prices amongst the highest for a mainstream luxury

#### **Bucsch Library Branch Reopening**

A grand reopening ceremony will be held on Thursday, June 22 at 1:30 p.m. for the Dorothy M. Busch branch of the Warren public library, located at 23333 Ryan Road in Warren.

The ceremony will begin with a welcome by Oksana Urban, library director. Also speaking will be Frank Pasternak, chairman of the Warren Library Commission, and Don Todaro, assistant director of the Library of Michigan.

Following the presentation, re-Hilary Kutella Community Room, friendly apps; said Urban.

The branch was named after Dorothy M. Busch, said Urban. She was born in 1912 and died in

"Mrs. Busch worked endlessly to form the original Warren Community Library," Urban said. "In using Freegal service. a history of the library under the date January 1935, she is listed as an assistant to the librarian. She carried collections of books to schools, conducted teas and fundraising events to provide money for books and library sup-

"Mrs. Busch served on the Library Commission for more than 25 years. At various times, she served as treasurer and secretary, and, at the time of her death, was vice-chairperson of the Library Commission.'

Hilary Kutella, Urban said, served many years on the Fitzgerald Public Schools Board of Education. He has lived in the Fitzgerald community for more than 50 years and while he was on the school board, he also

served on the Macomb County

School Board Association, the

Michigan Association of School

Boards and the National School Board Association. Among the features of the re-

- furbished library are: • The 50-person Hilary Kutella
- Community Room; • A six-person study room;
- Twenty-four computers for public use - 16 for adults, four for teens and four for children;
- The "Krayon" Kiosk, with freshments will be served in the four iPads containing child-
  - An "Open Concept" floor
  - A window setup that allows
  - for natural light; • Free wifi connectivity;
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seating up to 75

# Barra Unveils Bolt EV with New Technology

**CONTINUED FROM PAGE 1** 

hybrid Chrysler Pacifica minivans with modified wiring and then sent them to Waymo, which installed the hardware and software needed to make them self-

Fiat Chrysler is currently building an additional 500 Pacificas for Waymo.

The main difference is that GM is doing the modifications under one roof, Abuelsamid said.

But he thinks all automakers will soon be mass-producing vehicles that are modified for selfdriving as they start to build up larger test fleets.

"It makes sense to do that engineering up front, because otherwise you have to tear up the car later to add the hardware," he

The Bolt is a fully electric car that went on sale late last year. It can go 238 miles on a charge, and is ideal for use as an autonomous vehicle because its electric system can charge the computers needed for self-driving capability.

GM has sold around 6,000 Bolts in the U.S. so far this

Bolt is equipped with GM's second-generation self-driving software and hardware.

The cars have multiple cameras and 40 sensors, including a radar system that scans around corners for oncoming traffic.

Five spinning Lidar cylinders on top of the car use lasers to make a three-dimensional map of the area as the vehicle is driving. GM won't say how much each

vehicle costs. GM has been working with Lyft

The self-driving version of the on autonomous vehicle research since early last year, when it invested \$500 million in the San Francisco-based ride-hailing company.

More recently, Lyft has partnered with some of GM's rivals, including Waymo and Jaguar Land Rover.

It's unclear how Waymo's tieups with both Lyft and Fiat Chrysler will impact GM. But Barra said GM's partnership with Lyft was never meant to be exclu-



The new Bolt EV with autonomous tech was built at Orion Assembly.

# Morgan Bank, MCC Hand Out Grant Money

Two early-stage companies from Oakland County will receive \$125,000 in funding from the Innovation Fund Macomb Community College, Powered by JPMorgan Chase & Co.

Since July 2015, the Macomb Innovation Fund has awarded \$1.6 million to 29 companies.

The Innovation Fund is a \$2.7 million effort to stimulate economic development and job growth among promising Detroitarea entrepreneurs and nextstage companies with highgrowth potential, said MCC spokeswoman Jeanne Nicol.

Funding is provided by Macomb Community College's Strategic Fund and JPMorgan Chase, as part of the company's \$150 million commitment to Detroit's economic recovery. The initiative provides mentoring and capital to earlystage businesses, as well as learning opportunities for Macomb Community College's students.

"Encouraging, stimulating and supporting innovation is an important facet of creating and sustaining economic vibrancy," said James Jacobs, president, Macomb Community College.

"The Macomb Innovation Fund is not only helping to fill a gap in support for startups, but is also directly connecting MCC students with distinctive learning experiences to foster their capacity to innovate."

Munetrix of Auburn Hills will receive a \$100,000 award, which is designed to advance the progress of emerging companies toward larger-scale funding, Nicol said. The company must provide matching funding and commit to paying back the award.

Munetrix is a data science and advisory firm providing data to state and local governments, and school districts. The cloud-based platform is designed to help public institutions better understand and communicate their financials with stakeholders and plan using predictive analysis.

Skypersonic of Rochester, which is designed to support early-stage businesses taking the initial steps in market introduction, will receive a \$25,000 award.

The company drones for indoor applications that can be used for commeriindustrial, agricultural and civil applications. The technology is based on the original concept of auton-omous vehi-







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# FCA Honors Students and Their Designs

Different brands have different styles and it's important for designers to match their work to that style. And the the winners of Fiat Chrysler's 2017 Drive for Design contest got a taste of that recently.

"The Drive for Design contest helps connect our design team to the extraordinary artistic talent of students across the country and allows us to help guide them for a potential career in automotive design," said Mark Trostle, head of Performance, Passenger Car and Utility Vehicle Design, FCA – North America.

"All of the submissions were creative and visionary as they truly thought about what vehicles could look like in the next 30 years."

Students had to work with Dodge's long, flowing shapes accented with razor-sharp edges, inlets and exits that tap into cooling airflow with minimal drag, and wheels sized to leave little room for anything else – these are the design keys for Dodge three decades from now, Trostle said.

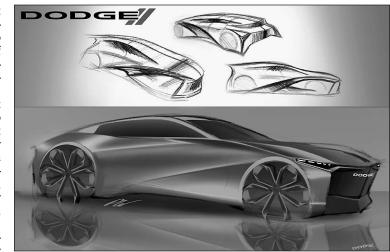
Three talented high school students from Georgia, Delaware and Michigan have earned top honors in the 2017 Drive for Design contest, sponsored by the FCA US Product Design Office, Trostle said.

The contest, in its fifth year, challenged U.S. high school students in grades 10-12 to design a Dodge vehicle 30 years in the future.

The Fiat Chrysler design team partnered with EyesOn Design and Lawrence Technological University to put on this year's contest.

The three student winners are:
• First place – Davis Kunselman, Mount de Sales Academy

(Macon, Ga.); • Second place – Richard



This design by local student Paige Webb finished third in FCA's contest.

Chen, Delmar High School (Delmar, Del.);

- Third place Paige Webb, Stoney Creek High School (Rochester, Mich.);
- Prizes included:
- Two-week summer automotive design course at Lawrence Technological University (includes housing, meals and field trips):
- Passes to the EyesOn Design Vision Honored Black Tie and Silent Auction, along with FCA design team members;
- Automotive Design Exhibition in Grosse Pointe Shores, Mich.;
- Three-day/two-night stay in Michigan (includes flight, hotel and rental car);
- An Apple MacBook Pro.
- A benefit for the Detroit Institute of Ophthalmology (DIO), a not-for-profit corporation, EyesOn Design is a major source of revenue for the DIO's research, education and support group programs for the visually iat Chrysler spokeswoman Alyse Tadajewski.

The DIO is a division of the Department of Ophthalmology of the Henry Ford Health System and the EyesOn Design event is celebrating its 30th anniversary.

Lawrence Technological University, www.ltu.edu, is a private

university founded in 1932 that offers more than 100 programs through the doctoral level in its Colleges of Architecture and Design, Arts and Sciences, Engineering, and Management, Tadajewski said.

The Web page PayScale lists Lawrence Tech among the nation's top 100 universities for the salaries of its graduates, and *U.S. News and World Report* lists the school in the top tier of best Midwestern universities, Tadajewski

Students benefit from small class sizes and a real-world, hands-on, "theory and practice" education with an emphasis on leadership, Trostle said.

Activities on Lawrence Tech's 107-acre campus include more than 60 student organizations and NAIA varsity sports, Tadajewski said.

Launched in 2013, the FCA US Product Design Office created its Drive for Design contest as an innovative way to educate young artists about careers in automotive design, Tadajewski said.

Starting locally in Detroit, Drive for Design has grown to become a national contest that has awarded talented students with prizes and unique opportunities to help further develop their design skills.



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TECH CENTER NEWS - WARREN JUNE 19, 2017

## FCA Employees Get the Chance to Show Off Their Classic Automobiles



Craig Love with grandson Ethan and his 1999 Plymouth Prowler.



Prowlers from the past made an enjoyable scene for Chrysler employees.

by Jim Stickford

Fiat Chrysler employees - and others - had the chance to show off their prized cars at the 28th annual Chrysler Employee Motorsport Association Car Show June 10 at Fiat Chrysler's headquarters in Auburn Hills.

Club president Lori Emerling said that 2017 show was held in perfect weather – "sunny, but not too hot.'

"The show was excellent," Emerling said. "The theme of this year's show was the Plymouth Prowler and the Dodge Viper. This year, we had more than 70 Prowlers and 54 Vipers."

The CEMA show, Emerling said, is quite eclectic and there

were even some Corvettes at the show.

"We have so many volunteers who are generous with their time," Emerling said. "Even our DJ is an FCA employee. His name is Brian Hutnick and he works at Sterling Heights Assembly Plant as an IT guy. He's been so generous with his time and talent."

Hutnick said that volunteering his time at the CEMA show was an honor.

"I've been a DJ for 28 years." Hutnick said. "I used to be a photographer and would shoot pictures at weddings of friends and present my photos as a second wedding album and gift from

Hutnick said that he's a collec-



Both the sun and the crowds came out for the 2017 CEMA car show held at FCA headquarters in Auburn Hills.

tor of vinyl records and his brother-in-law had asked him to DJ a wedding.

"Back then, bands were beginning to become expensive and rarer and DJs were starting to become popular," Hutnick said. "So I said yes.

Hutnick said that one of the things that enabled him to be a DJ was the ability to use a laptop, even 28 years ago.

"I keep 20,000 songs on my laptop," Hutnick said. "I have a portable hard drive that has 300,000 songs. As much as I love vinyl, and I still collect records, being able to have any kind of music at my fingertips really makes it easy for me to DJ just about any kind of event.'

Among the attendees was Craig Love, who brought his yellow 1999 Plymouth Prowler to the show.

"This is special to me because I was chief engineer of Team Prowler beginning in 1994," Love said. "I stayed with the team until 1999.

"The Prowler got started because Plymouth was looking for a vehicle that would be a shot in the arm for the brand the same way the Viper was for the Dodge brand. Tom Gale and his design office had some great retro designs. As an engineer, it was my challenge to make a vehicle that ran as fast as the Prowler designs looked."

As an example, Love said, the Prowler's front light designs were painted on the front hood. He and his team had to engineer light that looked like the design while still achieving the aerodynamic effect needed for the Prowler to maintain speed.

"Another thing to remember about the Prowler is that it was more than a good-looking fast car," Love said.

"It was also a test of new manufacturing techniques. We developed new ways to use aluminum that would be later used in other vehicles."

Love said it was great to meet Prowler fans and it allowed him to show off what he did to his grandson Ethan, who is also a car buff.

'This has been a great day, and it's nice to see young people like Ethan come to a car show and see what we worked on during our professional lives," Love

# **Rain Raises Great Lakes**

season has experts predicting that summer water levels for the Great Lakes could be higher than normal and above last year's mark through early fall.

The Great Lakes Hydraulics and Hydrology Office at the U.S.Army Corps of Engineers' Detroit District announced last week in its six-month water level forecast that summer water levels on lakes Superior, Michigan, Huron, St. Clair and Erie will be at their highest since 1996-1998.

"Above-average precipitation on the Great Lakes and very wet conditions in the months of April and May pushed levels higher than originally forecasted," said Keith Kompoltowicz, chief of Watershed Hydrology at the Army Corps Detroit District.

The group's forecast data also show that as of June 11, Lake Ontario is up nearly 3 feet (near-

DETROIT (AP) - A wet spring ly 1 meter) from the level it was at this time last year. The lake exceeded its highest elevation ever for June, which was set in 1952. Army Corps officials said that the water levels on Ontario are expected to continue this month before their seasonal decline.

"It would be great for us if water levels stayed stable, but that never seems to happen," said Larry Taunt, commodore for the Muskegon Yacht Club, which may soon need to raise its fixed docks to keep them above the water line at a cost of about \$15,000.

"We're not there yet, but we are looking at that," he said.

The U.S. Army Corps works with Environment and Climate Change Canada to release the official six-month forecast.

Year-round recording of Great Lakes water levels has been taking place since 1918.

# Michigan Seeing Peregrine Falcons

LANSING, Mich. (AP) – A new report says peregrine falcons are making a comeback in southeastern Michigan.

The state Department of Natural Resources and the U.S. Fish and Wildlife Service say the region's population has grown from five young birds introduced in 1987 to 15 nesting pairs that reared 30 young birds last year.

endangered species in the state, although it's been removed from the federal list.

The population became imper-

iled as the pesticide DDT accumulated in the falcons and made their eggs fragile.

The report says there were 54 peregrine falcon nest sites across Michigan in 2016, including one on a building across the street from the GM Tech Center in Warren.

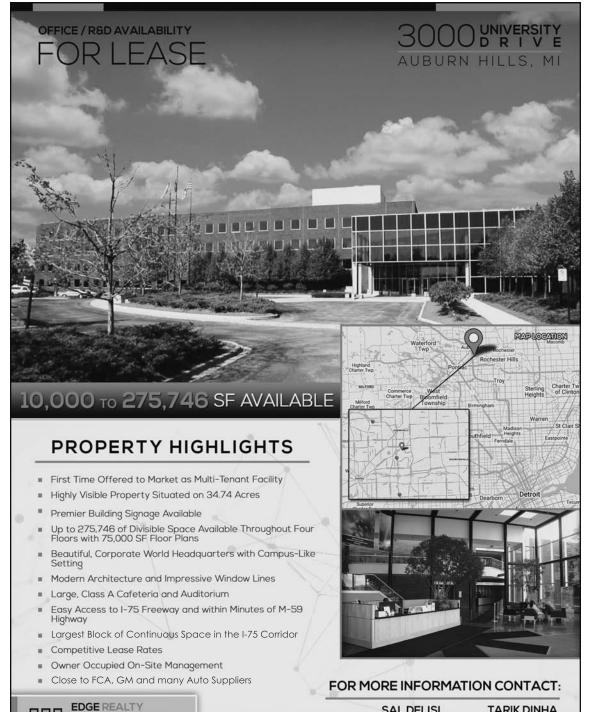
Peregrines are crow-sized birds with prominent cheek The peregrine falcon is still an marks on either side of their

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# **PwC Grand Prixmiere Helps Belle Isle Conservancy**

Nearly 500 guests traveled to Belle Isle to celebrate the art of racing on June 2 at the 2017 PwC Grand Prixmiere, presented by Chevrolet.

The annual gala, supporting the Belle Isle Conservancy, raised more than \$700,000 for projects and programming aimed to protect, preserve, restore and enhance the historic structures and natural environment on Belle Isle Park, said gala spokeswoman Erica Swoish Harmon.

Held for the fourth consecutive year on the island, guests drove around the Chevrolet Detroit Grand Prix presented by Lear race course to the trackside celebration overlooking the fullylit and flowing James Scott Memorial Fountain.

"This year's PwC Grand Prixmiere, presented by Chevrolet, was a one-of-a-kind evening that shines a great light on the city of Detroit. Huge thanks go out to Roger Penske and the entire Penske team for hosting our guests to celebrate the art of racing with a beautiful backdrop," said Michele Hodges, president of the Belle Isle Conservancy.

"The event wouldn't be possible without the support of our corporate sponsors and the generosity of all those who donated, allowing us to continue our restoration efforts and programs on Belle Isle Park."

The fundraiser was chaired by Michele and Ken Morris, vice president of Global Product Integrity at General Motors, Harmon said.

"It was an honor to be able to bring our vision for this event to life, which included a variety of art pieces from the collection of Detroit-based artist and General Motors designer, Matt Burke. We knew from the early planning stages that we wanted to showcase his work, which celebrates Detroit's most iconic architecture, landmarks, and the cars that drive the Motor City," said Ken Morris.

"Being a part of the Grand Prixmiere representing General Motors and Team Chevy let Michele and I further contribute to the city of Detroit and Belle Isle, and we are very grateful for that opportunity."

The event was emceed by News/Talk 760 WJR's Paul W. Smith and was supported by significant contributions from PwC, Chevrolet, Penske Corporation, the Chevrolet Detroit Grand Prix presented by Lear, Huntington Bank, Strategic Staffing Solutions and many more, Harmon said.

A significant portion of the evening's proceeds were generated through the auction of seven unique items and experiences, Harmon said. In total, more than \$290,000 was raised in exchange for, among others:

- A one-of-a-kind mixed media art piece from the evening's featured artist, Matt Burke;
- A fully customized guitar from Wallace Detroit Guitars created out of wood sourced from Belle Isle including a strap made from Team Penske IndyCar driver Will Power's seat belt;
- An experience creating, tasting, aging and bottling a signature spirit with the head distiller at Ann Arbor Distilling Co.;
- A trip to Men's Fashion week in New York City;
- A VIP experience for the inaugural season at Little Caesar's Arena, including tickets to the Kid Rock concert in September and the home openers for the Red Wings and Pistons.





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## **Uber CEO Asked to Leave**

CEO Travis Kalanick will take a leave of absence for an unspecified period and let his leadership team run the troubled ride-hailing company while he's gone.

Kalanick told employees about his decision June 13 in a memo. He says he needs time off to grieve for his mother, who died in a May boating accident. He also says he's responsible for the company's current situation and needs to become a better leader.

The announcement comes as former U.S. Attorney Eric Holder released a list of recommendations to improve Uber's toxic culture. He recommended that Kalanick be relieved of some leadership responsibilities, shifting them to a chief operating officer and other senior managers. The COO, yet to be hired, would be a partner with Kalanick.

Holder also recommended that Uber use performance reviews to hold senior managers accountable by setting metrics for improving diversity and responsiveness to employee complaints.

Holder's firm, Covington & Burling LLP, and a second firm, Perkins Coie, were asked to conduct separate examinations of Uber's workplace culture after a former engineer leveled charges of sexual harassment. Susan Fowler posted a blog in February that detailed harassment during the year she spent at Uber. Fowler wrote she was propositioned by her manager on her first day with an engineering team. She reported him to human resources, but was told he would get a lecture but no further punishment because he was a "high performer," she wrote.

Holder's investigators conducted more than 200 interviews with current and former employees, including people who had

SAN FRANCISCO (AP) - Uber knowledge of Fowler's allegations, according to the law firm's recommendations.

Liane Hornsey, Uber's chief human resources officer, said implementing the recommendations "will improve our culture, promote fairness and accountability, and establish processes and systems to ensure the mistakes of the past will not be repeated."

The report recommends that Uber make sure its workforce becomes more diverse from the top down. Uber's diversity figures are similar to the rest of Silicon Valley, with low numbers for women and underrepresented minorities. In the U.S., less than a third of the company's workers are female.

The report says the position of the company's current head of diversity, Bernard Coleman, should be elevated, with Coleman reporting directly to the CEO or COO.

Coleman should also communicate regularly with employees and address diversity and inclusion, Holder recommended. In short, it's not enough to hire women and minorities, but the company must ensure that they are included and supported after being hired.

In addition, the report says that diversity and inclusiveness should be a key value for Uber, included in management training as a "fundamental aspect of doing good business." The word "diversity" appears 42 times in the 13-page recommendations document.

While Uber released all of Holder's recommendations, it didn't release his full report in order to protect the privacy of those filing complaints. The company's board unanimously adopted all of the recommendations June 11.

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### Classic Cars Displayed at EyesOn Design

CONTINUED FROM PAGE 1

design plays in the creation of automobiles uniquely suited for various lifestyles and purpos-

The vehicles invited to present at the show, Lightbody said, were broken down into several categories.

Some of the categories included:

- Classic Era 1915-1948. The display of classic era automobiles represented fine and unusual domestic and foreign vehicles that have been distinguished for their design, high engineering standards and superior workmanship.
- Touring America: Early 1905-1914. During the early years of motoring, big open cars were among the first to put America on wheels. With brass trim and stylish rooflines and unique ornamentation, these cars allowed owners to tour the rural roads of the United States in the lap of luxury.
- Touring America: Late 1915-1927. Progressing beyond the large automobiles of the brass era, a new generation of touring cars emerged that were both sleeker in design and more affordable in price than their predecessors. With new lower rooflines, shorter tires and increased use of nickel and chrome plating, this fresh new look attracted more people than ever to buy a new car and head out on the open road.
- Wide Open Wonder: Four-Door Hardtops 1955-1978. After launching the first hardtops in 1949, GM introduced the first four-door hardtops with the 1955 Buick and Oldsmobile.

All major car companies had offerings the next year, including four hard-top wagons without any visible "B" pillars. The last



Times and cars change: A 2015 ZO6 Corvette next to a 1957 Corvette.



This 1972 Lincoln Continental Mark IV was on display at EyesOn Design.

one was built by Chrysler in 1978.

Lightbody said on display was the 1938 Delahaye Coupe Model 135 MS from France.

Built just before World War II, it is part of the collection of Greg and Robin Ornazian.

Lightbody said another vehicle on display was a 1972 Lincoln Continental Mark IV from the collection of Thomas Pascoe. A large vehicle, Lightbody said, many people have a hard time thinking of it as a classic, but it is 45 years old.

Lightbody said that futurist Syd Meade was awarded the show's lifetime achievement award for his work.

He got his start in 1959 at Ford Motor Company's Advanced Styling Studio under the management of Elwood Engel.

# Lohscheller Replaces Opel's CEO Neumann

FRANKFURT, Germany (AP) – The head of France's PSA Group, the maker of Peugeot and Citroen cars, says his goal is to see Opel make money by 2020 – but he'll be doing it without Opel's CEO Karl-Thomas Neumann.

Neumann is stepping down ahead of the completion of the unit's sale by General Motors.

Opel said in a statement June 12 that Neumann was leaving his post as CEO immediately but would remain a member of top Opel management until the sale goes through. Neumann was replaced by the chief financial officer, Michael Lohscheller.

company said appointment Lohscheller's would "ensure continuity" and a "seamless managerial transition" as Opel builds a new strategic plan for its future under PSA Group ownership. PSA Group CEO Carlos Tavares was quoted as saying by the Frankfurter Allgemeine Zeitung daily that Opel had to become profitable by 2020 in order to generate the cash needed to invest in new models, markets and ideas. The goal is to have Opel reach PSA's levels of profitability – 6 percent operating profit margins - by 2026.

Tavares stressed that Opel needed to remain a German brand, and likewise with its righthand-drive Vauxhall models sold in Britain.

"The more German Opel is, and perceived to be, and the more British the sister company Vauxhall is, the more they complement our brands Peugeot, Citroen and DS," he was quoted as saying.

Formally called Adam Opel GmbH, the German company has scored successes like its Mokka small SUV but has tended to lack models that bring high per-vehicle profits. As a mass-market carmaker, mainstay offerings in the lower price categories such as its small Adam city car and Astra compact face a tough European market with lots of competitors.

The company has also struggled against strict worker protections that have slowed efforts to reduce costs and lessen underused factory capacity.

#### The Day of the Autonomous Car Coming Soon

CONTINUED FROM PAGE 1

to take control of the vehicles, said Glen De Vos, Delphi Corp.'s chief technology officer. "We're confident that if they would need to intervene, they can," he said.

The companies also plan a similar test in North America and are scouting locations, De Vos said.

He believes they'll go through several iterations of self-driving software and systems before the French vehicles are fully operational sometime in 2019.

Transdev plans to gradually spread the technology throughout Paris and other cities that it serves, so the autonomous vehicles will be on roads along with human drivers.

It may take a while for people to trust the vehicles enough to use them, but Leriche said acceptance may not be that hard to get. Transdev has surveyed users and more than 90 percent were excited about the service. "They were not afraid that there was no driver," he said.

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# **Slack Car Sales Result in Longer GM Plant Closings**

by TOM KRISHER AP Auto Writer

DETROIT (AP) - General Motors is extending the normal twoweek summer shutdown for at least two U.S. car factories because of slumping sedan sales.

Union officials say the Lordstown, Ohio, plant near Cleveland and the Fairfax plant in Kansas City, Kan., will close for as many as five weeks in June and July. The company confirmed that some car factories would be shut down longer than usual but would not give details. Lordstown makes the Chevrolet Cruze compact sedan, while Fairfax builds the Chevrolet Malibu midsize car.

The additional shutdowns come as all automakers struggle to deal with a shrinking U.S. market that is dramatically shifting away from cars toward trucks and SUVs of all sizes. Some are continuing to produce cars and selling them to rental car companies or offering big discounts to individual buyers while others are cutting production. Through May, U.S. car sales were down 11 percent while truck and SUV sales rose nearly 5 percent, according to Autodata Corp.

Also, overall demand for vehicles is slowing after seven years of growth. Total U.S. sales are down 2 percent through May and many analysts are predicting that full-year sales will slow to 17.2 million, compared with last year's record of 17.5 million.

United Auto Workers union local at the Lordstown factory, says the plant will stop production for the last two weeks in June and another three weeks in July. "It's just to align with market demand, that's all," he said last week.

Lordstown plant has about 3,000 hourly and salaried workers. Last year, GM suspended the third shift at the plant indefinitely as demand dropped. The Fairfax plant has about 3,500

It was unclear whether other GM plants will see extended summer shutdowns, which normally happen over the July 4 holiday as factories switch to the next model year.

Spokesman Jim Cain would not comment on specifics of the shutdowns, He did say that GM full-size pickup truck factories also would have longer-thannormal summer shutdowns because they are switching over to an all-new truck for the 2018 model year.

Normally, workers get most of their pay through unemployment benefits and company subsidies. But that only lasts for about a

Cruze sales are up 36 percent this year due largely to sales to rental car companies and other "fleet" buyers. Sales to individual buyers are down 3 percent. Malibu sales are down 30 percent through May, including a 54 percent dip in fleet sales, according to Cain.

GM, he said, is cutting rental car sales even as car sales slump in order to protect profit margins and resale values of its used

According to Ward's Automo-Robert Morales, president of a tive, GM dealers have enough Cruzes to handle 87 days worth of sales, while they have 67 days worth of Malibus. Automakers consider a 60-day supply optimal to give customers adequate



Deutsche Post and Ford have partnered to manufacture a new kind of battery-electric delivery van.

### Ford, Deutsche Post Agree to Join Forces

The Deutsche Post subsidiary StreetScooter GmbH and Ford-Werke GmbH have entered into a partnership for the manufacturing of battery-electric delivery vehicles.

Deutsche Post has already left its mark in the smaller van segment by designing and producing the emission-free StreetScooter. Now, both partners are working on a larger vehicle type, said Ford spokesman Detlef Jenter.

The chassis of the Ford Transit provides the technical basis, Jenter said. It will be equipped with a battery-electric drive train and fitted with a special body construction based on Deutsche Post and DHL Paket specifications.

The start of production is scheduled for July 2017, Jenter said. Before the end of 2018, at least 2,500 vehicles will support the urban delivery traffic of Deutsche Post DHL Group. With this volume, the joint project will become the largest manufacturer of battery-electric medium-duty delivery vehicles in Europe.

Both Deutsche Post DHL Group and Ford share the same objective of building future mobility by reducing emissions and creating new traffic solutions, said Steven Armstrong, group vice president and president of Europe, Middle East and Africa at

This partnership is an important and tangible step toward achieving these goals, Armstrong

"I consider this partnership another important boost for electro-mobility in Germany," said Jürgen Gerdes, a member of the executive board of the Deutsche Post AG.

"This step emphasizes that Deutsche Post is an innovation leader. It will relieve the inner cities and increase the people's quality of life. We will continue working on completely carbonneutral, CO2-neutral logistics."

"E-Mobility and innovative traffic solutions for urban areas are key focuses for us as we transform our business to meet future challenges," said Armstrong.

"As the leader in commercial vehicles in Europa, this partnership plays perfectly to our strengths and in StreetScooter and the Deutsche Post DHL Group we have a partner with enormous competence and a worldwide network."

In addition to the new assembly line, the existing manufacturing of the StreetScooter models will be significantly expanded as previously announced.

StreetScooter GmbH is planning to manufacture 20,000 units per year of their successful small electrical delivery van in different versions in Aachen and another site in North Rhine-Westphalia, Jenter said.

Today, there are already 2,500 StreetScooters in use for Deutsche Post throughout Germany. Jenter said.

More and more prospective buyers from the outside are signalling their interest or have already received StreetScooters in order to convert their fleet to zero-emission operation, Jenter

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# **SUV Headlights Not Great**

NEW YORK (AP) - More than half of the midsize SUVs tested by an insurance industry group were found to have unsafe headlights that either didn't light up the road far enough or caused glare for oncoming drivers.

The Insurance Institute for Highway Safety said June 13 that it tested 37 midsize SUVs and only two received a "good" rating: the 2017 Volvo XC60 and 2017 Hvundai Santa Fe.

Twelve were rated "acceptable," 12 others were rated "marginal" and 11 were rated "poor." IIHS recommends buying vehicles with headlights rated "good" or "acceptable."

"We continue to see headlights that compromise safety because they only provide a short view down the road at night," said Matt Brumbelow, a senior research engineer at IIHS.

The 2017 Kia Sorento, which Sorento shed light 148 feet down tions."

the road, compared with 315 feet for the top-rated Volvo XC60. In a statement June 13, Kia Motors America said that it will "carefully evaluate the results.'

Other 2017 vehicle models with "poor" ratings included the Jeep Wrangler, Dodge Journey and the Ford Edge and Explorer. Fiat Chrysler Automobiles, the maker of Jeep and Dodge vehicles, did not immediately respond to a request for comment June 13.

Ford Motor Co. said it will "consider the findings" as it improves safety.

And while the Hyundai Santa Fe received a "good" rating, the sport version of the SUV received a "poor" rating. IIHS said the 2017 Hyundai Santa Fe Sport uses different headlights that caused too much glare for on-

coming drivers. Hvundai said June 13 that it received a "poor" rating, had the "closely evaluates and analyzes worst visibility. IIHS said the all testing data from organiza-

#### China Car Market Sees Sales Cooling

BEIJING (AP) - China's auto sales shrank for a second month in May amid weak demand following a rise in the sales tax, an industry group reported last

Sales in the world's biggest auto market by number of vehicles sold contracted 2.6 percent from a year earlier to 1.75 million vehicles, according to the China Association of Automobile Manufacturers.

Purchases of SUVs rose 13.5 percent to 715,000, helping to offset a 9.3 percent plunge in sedan sales to 839,000.

Sales last year rose 15 percent from 2015 after a 10 percent sales tax on small-engine vehicles was cut by half. Demand weakened after part of that tax was re-

stored in January, raising it from 5 percent to 7.5 percent.

Total sales for the first five months of this year rose just 1.5 percent from a year earlier, according to CAAM.

Sales of plug-in and hybrid electric vehicles in May rose 28.4 percent to 45,000.

• General Motors Co. said sales of GM-brand vehicles by the company and its Chinese manufacturing partners rose 9.5 percent from a year earlier to 294,425. It said Cadillac sales rose 65 percent to 14,154.

• Ford Motor Co. said its sales declined 3 percent to 87,733. Sales for the first five months of the year were 436.961.

• Nissan Motor Co. said its sales rose 5.7 percent to 112,085.





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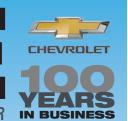
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Was \$28,360 Sale Price \$21,889\*



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MONTH

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  - REMOTE START AND ENTRY!
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Was \$40,155 Sale Price \$28,779\*



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Was \$33,375

Sale Price \$27,879\*

The Best Price...

 2.5L DOHC SIDI VVT ENGINE! INTELLILINK RADIO W/7"

DIAGONAL COLOR TOUCH SCREEN!

- KEYLESS OPEN AND START!
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MONTH

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#### **2017 GMC SIERRA DENALI 4x4 CREW CAB**



Was \$58,120

Sale Price \$51,959\*

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- REMOTE START AND ENTRY! FULL-FEATURE LEATHER-APPOINTED
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PER MONTH

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Sale Price \$33,939\*

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