New Bolt's Driving Range Aimed at Curing Anxiety Issues

al Chevrolet, told the Midwest Automotive Media Association about the promise of the new Chevy Bolt and how it would take ise. The game-changing Chevro-

VOL. 87 NO. 34

EV driver would run out of power and have no where to plug in.

In February of 2015, Alan care of the problem known at let Bolt EV will now take cus-Batey, senior vice president Glob-range anxiety – the fear that an tomers even farther. Starting with model year 2020, the Bolt EV will offer a remarkable EPA-es-Chevy has kept Batey's prom- timated 259 miles of range on a full charge, a 21-mile increase

over previous model years, sad GM spokeswoman Katie Minter.

The Chevrolet Bolt EV's combination of long range and affordability continues to attract new customers to the electric vehicle

segment, and the 2020 Bolt EV will appeal to even more customers by allowing them to travel farther between charging sessions,

info@detroitautoscene.com

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Detroit Auto Scene®

"FIRST IN THE HEART OF DETROIT"

Central Detroit - Macomb - North Oakland

SEPTEMBER 2, 2019



(l-r) Rander, Barnett and Farley with the Argo AI test vehicle.

Ford Takes Rochester Hills Mayor for Ride in Argo Car

presents lots of challenges, not the least of which is the need for communities being ready for it.

Which is why Ford and Argo AI are working with governments to understand how AV tech will affect local cities.

"At Argo AI, and in collaboration with Ford, our plan is to work directly with cities as we prepare to launch services enabled by self-driving vehicles, engaging local leaders to learn how we can deploy this technology in a way that best serves their needs," Peter Rander, president, Argo Al.

"This may take different forms in different cities, depending on community priorities, but we are committed to staying connected with city officials and engaging them in ongoing conversations about how self-driving cars can work for their people.

As part of that effort, Argo AI recently invited Rochester Hills

New automotive technology Mayor Bryan Barnett, who is also the new president of the U.S. Conference of Mayors, to Detroit for a ride in one of the protype self-driving test vehicles, said Jim Farley, president of Ford New Business, Technology and strate-

"Few people know cities like mayors do. Through frequent interaction with residents, businesses, and community organizations, they develop a deep understanding of their cities," Rander said.

"They know where their community is thriving or how it may be struggling, so it's important to help familiarize city leaders with technology that has huge implications for their residents.'

Rander said that he was honored to host Mayor Barnett and discuss some of these implications as they rode through De-

CONTINUED ON PAGE 2

FCA Practices Detroit Good Neighbor Policy

FCA has a long tradition of eastside have to do with building helping make metro Detroit and other locations where the company has facilities a better place for the people who live and work here, said FCA spokesman Kevin

And part of that tradition is helping restore parks. FCA employees in Toledo recently fixed up parks in that city, and now FCA employees have fixed up Beniteau Park in Detroit.

The park is near where the company is investing more than a billion dollars at its Mack and Jefferson facilities, Frazier said.

"I think small decisions have large consequences," Greg Rose, director of environmental health and safety at Fiat Chrysler Automobiles, said. "It's (Beniteau Community Park) important to this community. I think keeping it cleaned up and available to the children is a big deal."

So, what does restoring a small community park on Detroit's the next-generation Jeep Grand Cherokee?

FCA also owns the responsibility of helping to improve the quality of life for residents living around the new auto assembly

plant located adjacent to the park, Frazier said. At full production, the new assembly plant will have the lowest emissions of any auto assembly plant in the U.S.

CONTINUED ON PAGE 5



FCA volunteers at work cleaning up Detroit's Beniteau Park.

Ford Co-Pilot360 Tech Creates Quiet Ride

Anyone who has taken long car trips with passengers in the back seat has heard this - "You can get over a lane." "Watch that truck!" "You're trailing to close. Slow down!'

But to paraphrase Mark Twain, everyone talks about back seat drivers, but no one does anything about them. Well that's no longer true thanks to Ford thanks to driver-assist technology like Ford Co-Pilot360.

According to a recent study from Ford and sociologist Jess Carbino - best known for her work with Bumble - 68 percent of drivers believe that backseat

CONTINUED ON PAGE 4



Thanks to Ford, back seat driving can be a little more difficult.

Software from Mirari generates an image directly onto tablets and smart phone screens.

Local Company Uses Latest 3D Tech to Aid Designing

by Jim Stickford

When is a seat not a seat? When it's a two-dimensional computer projection that can be used for designing in three dimensions.

That's what the technology of startup Mirari can do, said company ČEO David Pollock.

"We create augmented reality solutions," Pollock said. "This is different from virtual a computerreality. That's generated simulation of a threedimensional image or environment that can be interacted with in a seemingly real or physical way by a person using special electronic equipment, such as a helmet with a screen inside or gloves fitted with sen-

Augmented reality is created

when someone using a smart phone or tablet can "overlap" computer information onto video of the real world, Pollock

As an example, Mirari created a two-dimensional full-scale model of a pair of airplane seats. So now someone with a smart phone or tablet with the two-dimensional rendering entered into it can see how the seats would fit into real space by looking at the view screen.

"Point your tablet at the floor and the view screen will have the seats on the floor," Pollock said. "It's very useful for doing designs. You can see how objects would fit in real space."

Mirari has been around since January of 2018, Pollock said.

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Toyota Orders New Recall of Air Bags

DETROIT (AP) - Toyota is recalling 191,000 cars in North America and Japan because the air bags may not inflate properly in a crash.

The recall covers certain 2003 through 2008 Corolla compact sedans and 2005 through 2008 Matrix hatchbacks.

Toyota says the front passenger air bags in the cars were installed in prior recalls to replace dangerous Takata air bags.

But in high temperatures, the replacement bags may not unfold as designed, increasing the risk of injury in a crash. Toyota wouldn't say if anyone has been hurt due to the problem.

The company says the replacements were not made by

GM Fights Range Anxiety With Improved Bolt

CONTINUED FROM PAGE 1

said Tim Grewe, director of Global Battery Cell Engineering and Strategy.

"The Bolt EV set the benchmark for long-range, affordable electric vehicles, and we're excited to raise the bar by offering nearly 10 percent more EPA-estimated range for the 2020 model year," said Grewe. "At Chevrolet we're constantly listening to customer feedback and we heard the desire for more range. The team worked diligently to find ways to improve battery energy, giving customers the confidence to go more than the extra mile.'

To achieve this range increase, Chevrolet's battery engineering team improved the energy of the cell electrodes by making small but impactful changes to the cell chemistry, Grewe said. This thinking allowed the team to implement the range increase without needing to change the physical battery pack and the way it is integrated into the vehicle struc-

"The Chevrolet Bolt EV has been changing consumer perceptions of electric vehicles since its launch in 2016," said Steve Majoros, director of Chevrolet Passenger Car and Crossover Marketing. "Great range - now even more - is the foundation of the Bolt EV's success, and when paired with features like one-pedal driving, Regen on Demand and the instant torque of the EV motor, the vehicle delivers an excepdriving experience. Chevrolet also is helping to encourage EV adoption by providing customers the necessary tools and services to make EV ownership more convenient.'

Currently original purchasers of new Bolt EVs have access to Chevrolet's exclusive Energy Assist feature through the my-Chevrolet mobile app, Minter said.

Energy Assist allows customers to view and search for charging stations, plan a trip with multiple waypoints and charging stops, monitor their route, and receive alerts if their destination becomes unreach-

Last year, the myChevrolet mobile app was updated to enable smartphone projection of the Energy Assist feature to the vehicle's infotainment system via Apple CarPlay and Android Auto4 for drivers with model year 2017 or newer Bolt EVs, Minter said.

Chevrolet recently entered into a partnership with Qmerit that will enable EV owners a seamless way to find and obtain quotes from certified electricians to install at-home charging equipment, Minter said. Chevrolet is the first non-luxury car brand to offer this service, and its partnercustomers with a more accessible at-home charging solution.

The 2020 Bolt EV will arrive in dealerships later this year with a starting MSRP of \$37,495 (includdestination and freight

ship with Qmerit will provide charges, excludes tax, title, license, dealer fees).

> Additional updates include two new exterior colors: Cayenne Orange Metallic (additional cost option) and Oasis Blue, Minter



The new Bolt has improved its range between battery charges.

UAW Car Show Coming to Warren Soon

The UAW Region 1 Veterans Council and Solidarity Riders will be holding will be holding their annual Car and Motorcycle Show.

The event is scheduled to take place on Sunday, Sept. 15, at the UAW Region 1 headquarters at 27800 George Merrelli Drive in Warren.

UAW Region 1 has been putting on the show for the past several years, said Greg Ezyk, event spokesman and recording secretary for UAW Local 412.

"This event is open to anyone who wants to attend or enter a classic car or motorcycle," said

"We have free rides for the kids, music by D.J. Jose Gonzalez, a raffle as well as food."

The show is scheduled to run from 11 a.m. to 4 p.m. Vehicle registration will take place between 8 and 11 a.m. The cost to attend is free, Ezyk said, but there is a fee for those entering a vehicle to dis-

"The cost to register a vehicle is \$20 on Sept. 15," Ezyk said. "Car show proceeds are used by the Veteran's Council to support veterans causes and awareness of veteran's issues.

"The pre-registration \$18. To learn more, people can call 586-427-9200."

Ezyk said that this year's show will have a variety of different show categories for both cars and motorcycles.

Car categories include: • Original - 1900-1994;

- Original modified at least three major enhancements, at least 25 years old;
- Street rods 1900 to 1948; Custom/special interest;
- Pro street tubbed: reduced
- axle;
- Street machines 1949 and up; • Trucks - all years.
- This year's motorcycle categories include:
- Cruiser soft tail, road king,
- Bagger hard bags, cruise control;
- Metric foreign production bikes:
- Custom build chopper/nonproduction bikes.

CHEVROLET /

Rochester Hills Mayor Gets Test Ride in Argo AV Car

CONTINUED FROM PAGE 1

Barnett also found the experience interesting and had a lot to say about it.

"I tend to have a lot of faith in technology, but sitting in one of Ford and Argo Al's new self-driving test vehicles as it drove through downtown Detroit was still an eyes-wide-open experience," Barnett said. "The car smoothly navigated traffic and even handled unexpected situations impressively - like when a truck surprisingly cut us off and the car properly slowed down in order to let it pass. Scenarios like this serve as a reminder of just how much technology and preparation goes into helping a machine like this operate in a

As a mayor of a city in Michigan, Barnett said that it's crucial for self-driving car companies to remain in regular conversations with cities, and to visit communities to see how each one is differ-

This kind of interaction will help companies like Argo prepare their products.

"Mayors and local officials may not have technology expertise, but they know their cities,' Barnett said.

"They can provide important information about how self-driving vehicles can be rolled out to address the specific needs of their residents.'

The more we work together, the more successful this technology will be for everyone - and the faster it will be accepted, and even embraced, by everyone, Barnett said.

'Very often, when I talk to people about self-driving cars, one of the first things they mention is

the potential to be more productive during their commute to work, as well as being able to relax and use their phone without having to worry about driving," Barnett said.

"Those are valuable benefits, but we can aim higher.'

Much of what is done in local communities is serve large aging populations, and that's universally true in all corners of the country, Barnett said.

"Self-driving cars give us the opportunity to expand mobility and extend the quality of life for people far past their personal ability to drive safely - and this is just one situation that autonomous technology can address," Barnett said.

"The same holds true for people with disabilities. I have personally seen the excitement that comes to the face of a disabled person who realizes the independence and freedom that will come with this new era and dimension of mobility."

Barnett said he doesn't think there's a mayor in the country who is not excited about the way self-driving cars can improve life for the residents these same majors serve.

"They have the chance to improve quality of life for just about everyone in the community regardless of level of education, income, ability, or zip code," Barnett said. "Of course there are a lot of questions to answer about a major disruptor like this, but if companies like Ford and Argo AI continue to work with cities to figure out how to launch this technology, we can manage this transition just as our forefathers managed to move on from horse-drawn carriages.'



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SEPTEMBER 2, 2019 "FIRST IN THE HEART OF DETROIT SINCE 1933"

Cobo Center Renamed 'TCF Center'

DETROIT (AP) - The home of Detroit's annual auto show and other major events has officially changed its name to the TCF Center and moved on from its original name, which honored a former mayor known for racist and segregationist policies.

Officials on Aug. 27 announced that the Cobo Center is no more.

The change follows the February announcement of a \$33 million naming rights deal with Chemical Bank, now a division of TCF Bank.

Officials have said the name change will save taxpayers millions of dollars and move the riverfront facility toward being financially self-sustaining.

The center had been owned and operated by the city until 2009, when a regional authority was created.

Officials also say a name change will stop honoring a negative aspect of Detroit's history. Albert Cobo, who served as mayor from 1950 to 1957, sought to keep blacks out of predominantly white neighborhoods.

Auburn Hills to Hold September Beer Festival

The City of Auburn Hills is hosting its first-ever Septem-BEERfest event which will take place on Friday, Sept. 13, from 5 p.m. - 9 p.m. at Riverside Park (located at 3311 Squirrel Court) in downtown area of Auburn

The Michigan craft beer tasting event will feature two blues bands, lawn games, BBQ-style food, and a variety of craft beer

All proceeds from this BEERfest will be used to benefit the Auburn Hills Community Foundation.

This charitable event is reserved for guests 21 or older. Starting Sept. 1, 2019, general admission tickets will be available for \$35 per person.

Tickets may also be purchased at the door, but it is recommended to buy your tickets in ad-

You can register via the link here: www.tinyurl.com/septembeerfest.

Macomb County Emergency Road Repairs Done

The Macomb County Public Works Office last week began emergency repairs on sinkholes in Eastpointe and Fraser.

In Eastpointe, a void under a sidewalk in front of Eastpointe Middle School on Kelly Road was discovered in the preparations for the first day of school.

A void as much as eight feet deep formed under a stretch of the sidewalk near a manhole on a lateral of the Stephens Relief Drain, a large storm drain that services Eastpointe and St. Clair Shores, running east-west and emptying directly into to Lake St.

In Fraser, repairs are underway on the Priest Drain, a storm sewer that services that community. The sinkhole is on Kingston Street, a residential street south of 14 Mile Road and west of Utica Road.

OEMs Praised for Going to the Dogs With Vehicle Features

When it comes to making canine companions bark in approval, the 2019 models of the Buick Regal TourX. Chrysler Pacifica and Jeep Wrangler stand out as among the best. All three vehicles were recently revealed by Autotrader as among the 10 Best Cars for Dog Lovers.

The list, drawn up for the sixth consecutive year by Autotrader, helped mark National Dog Day, celebrated on Aug. 26.

Editors at Autotrader created the list of the best rides to help shoppers find the perfect new car for traveling with their fourlegged friends, said *Autotrader* spokeswoman Nichole Mrasek.

In its press release, Autotrader stated that dogs "are considered members of the family and with this in mind, the list includes vehicles that are" safe and comfortable for pets and their owners."

"At Autotrader, our goal is to help people navigate the car-buying process through our extensive lists of vehicles that suit consumers' various needs," says Brian Moody, executive editor at

"With this in mind, we came up with a list of cars that offer both comfort and convenience features pet owners should consider if they're buying a car.'

While comfort is an important factor when choosing a vehicle, safety is of the upmost importance, Moody said. The cars selected have extensive features geared at keeping both human and canine passengers safe - including a level cargo floor, rear air vents and more.

The honor is the latest for the Chrysler Pacifica, said FCA spokesman Darren Jacobs. The Pacifica includes convenient dogfriendly features, such as an available Stow 'n Vac integrated vacuum powered by RIDGID for quick cleanups.

The Stow 'n Go seating and storage system with Stow in Assist and Easy Tilt, as well as optional power-folding Stow 'n Go third-row seats, clear out extra room for pets without needing to remove seats, Jacobs said.

Helping the Wrangler, as well as the Pacifica, make tails wag in approval are available Mopar pet-friendly accessories for both list two years in a row, first with of the vehicles. The lightweight Mopar pet kennel features two pockets, three doors, a carrying handle and tie-down straps that secure to the cargo area to help prevent sliding, while Mopar allweather floor mats and cargo mats protect the interior.

"Buick is happy to be on Autotrader's most dog-friendly vehicle the Encore and now with the TourX. Between our lineup of SU-Vs and the Regal TourX and Sportback, our current vehicle portfolio boasts rear cargo liftgates across every model, which we hope for pet owners means Buick is barking up the right tree" said Stuart Fowle, Buick Communications manager.



It's possible to directly strap a dog carrier into the back of the Pacifica.

FBI Investigation Results in Search Home of UAW Leader

DETROIT (AP) - Federal agents on Aug. 28 searched the suburban Detroit home of the president of the United Auto Workers, apparently another step in a corruption investigation that has netted labor leaders and auto industry officials, and damaged the union's reputation during contract talks with U.S. car compa-

The UAW criticized the remarkable search of Gary Jones' home in Canton Township, insisting it has fully cooperated with author-

"President Jones is determined to uncover and address any and all wrongdoing, wherever it might lead," the UAW said in a written statement. "There was absolutely no need for search warrants to be used by the government today.

"The UAW has voluntarily responded to every request the government has made throughout the course of its investigation, produced literally hundreds of thousands of documents and other materials to the government, and most importantly, when wrongdoing has been discovered, we have taken strong action to address it," the union said.

FBI spokeswoman Mara Schneider confirmed the search but declined further comment. TV stations aired video of agents carrying bags and boxes from Jones' home. Agents also searched the Corona, Calif., home of former UAW President Dennis Williams and the union's northern Michigan retreat.

"Extraordinary is way overused but this is extraordinary. ... There's a huge amount of information to speculate on. But a lot of it will not be informed until we see much more evidence as to why and what has taken place," said Harley Shaiken, a labor expert at the University of California-Berkeley.

He said Jones, an accountant who has been president for 14 months, has been an effective leader who has repeatedly declared corruption won't be toler-

Since 2017, eight people have pleaded guilty in an investigation union officials and Fiat Chrysler executives enriching

themselves with money from a job training center in Detroit. The probe appeared to widen two weeks ago when a former UAW official was charged with accepting kickbacks from union vendors. Mike Grimes was asso-

tors training center. He pleaded not guilty Aug. 28.

For two years, the union has dealt with unflattering stories about senior leaders turning the UAW-Fiat Chrysler center into a personal piggy bank. The government said General Holiefield,

who was responsible for negotiating with Fiat Chrysler on behalf of the union, had a \$262,000 mortgage paid off in 2014. He died in 2015.

Norwood Jewell, who moved into Holiefield's job, was recently given 15 months in prison.



Harris Retirement Causes Changes in Ford Europe

There have been some changes at the top of Ford's international operations

Steven Armstrong, who is currently chairman, Ford of Europe, has been named president of the Changan Ford joint venture in China. Armstrong succeeds Nigel Harris, who has elected to retire from Ford at the end of 2019 after 34 years of distinguished service with the company.

The new role for Armstrong, 55, will be effective Oct. 1. He will report to Ford China President and CEO Anning Chen.

Armstrong was named chairman, Ford of Europe effective April 1, 2019. In this role, Armstrong was responsible for overseeing key transformation projects and joint venture partner interactions for the region, as well as leading Ford's engagement with European governments on key industry legislation and is-

He reported to Joe Hinrichs, president Automotive, Ford Motor Company.

Prior to this position, Armstrong served as group vice president and president of Europe, Middle East and Africa since June 1, 2017, where he led the transformation of Ford's European and Middle East and Africa business units.

the Ford Sollers and Ford Otosan boards of directors since Oct. 1,

Previously, Armstrong was vice president and chief operating officer, Ford of Europe. In this position, he was responsible for many of Ford of Europe's operations, including manufacturing, quality, product development, purchasing, sustainability, environment and safety engineering. Prior, he was president Ford South America responsible for all Ford South American operations since January 2014.

A native of the United Kingdom, Armstrong has worked in the United States, Sweden and Germany. He served as president, Ford Brazil, starting June 1, 2012, leading all aspects of Ford's largest business unit in South America.

Armstrong also served as chief operating officer, Volvo Cars. where he oversaw the divestiture of Volvo Cars to Geely Automotive Holdings Ltd. Armstrong was responsible for major quality and cost improvements while chief operating officer of Volvo, and led the company's development of the company's S60 and V60 vehicle lines.

"Steve's leadership will help us further strengthen the Changan Ford JV as we bring more new vehicles to the China market, including our first global all-electric small SUV," said Ford Presi-



Steven Armstrong



Nigel Harris

Armstrong has also served on dent and CEO Jim Hackett. "His deep understanding of Ford and the automotive industry and keen ability to build productive relationships with partners and employees around the globe will serve us well as we drive Ford's growth in China."

Armstrong has been recognized with many awards, including being named a Eurostar by Automotive News in 2005 for improving supplier relations for

Harris, 58, has held leadership roles in Ford business operations and marketing, sales and service over more than 30 years.

Prior to his current role, he served as president of Ford India Private Limited; vice president of Asia Pacific Sales, Services and Distribution; and general manager of Changan Ford Sales Compa-

"Nigel is a highly seasoned executive who has motivated our people around the globe, and has been a valuable asset to this company," said Hackett.

"He has had an accomplished career at Ford, including key leadership positions in China, Europe, India and Asia Pacific, and we appreciate his significant contributions.'

Harris will work closely with Armstrong through the transition, then advise Changan Ford and support the evolution of the Ford China 2.0 Plan until his retirement



Ford Technology Quiets Backseat Drivers

CONTINUED FROM PAGE 1

driving behavior will decrease because of driver-assist technol-

Ford Co-Pilot360 Technology can help quiet backseat drivers and take the lead in helping drivers navigate the road with confidence, said Ford spokeswoman Liz Kellogg

Available driver-assist technologies - such as Blind Spot Information System with cross-traffic alert and Pre-Collision Assist with Automatic Emergency Braking can help reduce the risk of collisions and build confidence in certain driving situations, while always allowing the driver to remain in control.

ASBE Holding

Annual Golf

Fundraiser

Engineers Foundation (ASBE) will be holding its annual golf

outing on Friday, Sept. 6.

nic 18-hole par 71 course.

in Davisburg.

The American Society of Body

The gathering will be held at

Foundation spokesman Art

"The front nine is open and

the Springfield Oaks Golf Course

Bryant said the course is a sce-

hilly," Bryant said. "The back

nine is tighter, with more trees

and water. Springfield Oaks has

been named as 'One of the Best

Places to Play' for its value for

the money, for its service and

the condition of the course by

Activities and amenities in-

clude 18 holes with a cart, a

scramble format, morning coffee

and donuts, a hot dog and drink

at the turn, first and second

and engineering as a career,

Bryant said. It encourages and

recognizes the achievements

and creativity of students with

It also conducts its "Design

scholarships and awards.

Challenge" competition.

The ASBE promotes design

Golf Digest in 2007."

place cash awards.

For the study, Ford teamed with Carbino, and confirmed that backseat drivers can cause more harm than good for the well-being of those inside the vehicle.

"For a lot of drivers, constantly getting advice from passengers is more than just annoying, it's stressful," Carbino said. "The Ford Co-Pilot360 helps encourage trust during the drive and can help create a more relaxed, collaborative atmosphere in the

In fact, the study's findings contradict a growing belief that technology inhibits human connection, Carbino said. Insights from the study show that while backseat driving can cause in-vehicle relationships to suffer, driver-assist technology can help avoid unnecessary backseat talk.

Since the technology can help assist with some of the burdensome tasks of navigating, drivers and passengers can focus on more enjoyable aspects of the ride, namely each other.

The data also suggests that since respondents have confidence in the technology, it can help eliminate the perceived need for their backseat driving input. Carbino said.

"Certainly the intent of Ford Co-Pilot360 Technology was not to eliminate backseat driving. Chris Billman, Ford Co-Pilot360 engineering manager, said with a laugh. "But hey, if we can help in that way too, that's great."



Pollock operating systems from a smart pad at a recent Novi show.

Company Makes 'Augmented Reality'

CONTINUED FROM PAGE 1

Customers include OEMs, Tier I and now Tier II auto suppliers.

"We help brands plan, develop and deliver content for new mediums," Pollock said. "We inform and educate the market thru events and best practices through our partnerships.'

Currently located at a Macomb County innovation center located at 18 Mile and Mound, the company will soon be moving to a lab at Lawrence Technical University, starting in October, Pollock said.

This kind of augmented reality technology is just getting started, Pollock said. As it advances, it will be more and more integrated into the design and engineering process.

Pollock said right now Mirari is a small company with only a handful of employees, but the future holds a great deal of promise for Mirari's future.

"We are really excited about the growth of the industry and always looking for solutions that can support our clients," Pollock





Explore Michigan

Great Lakes Shipwrecks

up North?

Why not visit the Great Lakes Shipwreck Museum, located at 18335 North Whitefish Point Road in Paradise, Mich.

The Great Lakes Shipwreck Museum has become one of Michigan's most popular destinations in the cultural tourism industry, attracting over 75,000 visitors each season," said museum Operations manager Sarah "The museum is open every day May 1 to Oct. 31, from 10 a.m. to 6 p.m. Museum patrons learn about the perils of maritime transport on the Great Lakes at the Whitefish Point Light Station, an Historic Site on the National Register of Historic Places. Visitors get to see the Whitefish Point Light Tower, in continuous operation for 155 years, the oldest operating lighthouse on Lake Superior."

The museum was founded by Great Lakes Shipwreck Historical Society, which itself was founded in 1978 by a group of divers, teachers, and educators to commence exploration of historic shipwrecks in eastern Lake Superior, near Whitefish Point in Michigan's scenic Upper Peninsula, said Wilde.

"Today, this non-profit organization operates two museum sites on historic properties: The

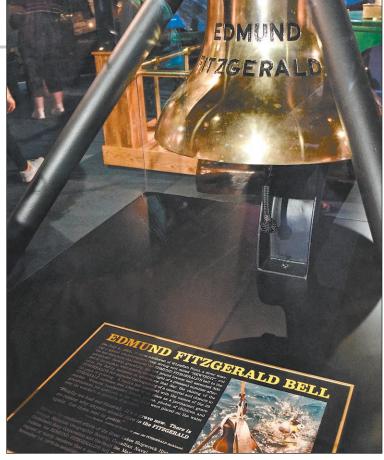
Looking for something to do Great Lakes Shipwreck Museum, Whitefish Point Light Station, Whitefish Point; and the U.S. Weather Bureau Building, Soo Locks Park, Sault Sainte Marie, Mich." Wilde said

Whitefish Point is located at the extreme southeastern end of Lake Superior, Wilde said. It is a critical turning point for all vessel traffic entering and leaving this largest of all the Great Lakes. The Whitefish Point Light Station was established by Congress in 1849; since then, a life-saving beacon has illuminated these dangerous waters for mariners continuously.

Today, the Whitefish Point Light is the oldest operating lighthouse on Lake Superior. The present light tower was constructed in 1861 during Abraham Lincoln's administration.

The Shipwreck Museum is open to the public seasonally from May 1 to Oct. 31; and the Weather Bureau is open yearround.

"We will be holding our 'Run for the Light' fundraiser on Saturday, Oct. 13," Wilde said. "All proceeds from this annual event, a race, fun run, or walk, benefit ongoing restoration efforts of the 1861 Whitefish Point Lighthouse. This is an interesting story. We own the land and the building, but the actual light in the build-



The Great Lakes Shipwreck Museum houses many famous items.

ing is still an active aid to navigation, so the light is actually run by the U.S. Coast Guard."

For information, or to register, please visit the Shipwreck Society's web site at www.shipwreckmuseum.com.

The Shipwreck Society is a diverse organization that regularly publishes a newsletter, DVDs, booklets, and commissioned works of maritime art.

Using its 47-foot Research Vessel David Boyd, the Society actively searches and documents historic shipwrecks each year during the diving season, Wilde

FCA Volunteers Clean Up **Detroit Park**

CONTINUED FROM PAGE 1

and will bring almost 5,000 new jobs to the area.

While Rose and his team work to make that large vision a reality, they are also tackling key responsibilities in the community as part of the company's Motor Citizens volunteer program. Rose and nearly 40 FCA Environmental Health and Safety (EHS) managers removed 30 cubic yards (five dump trucks) of debris and brush from the park, then spread more than 24,000 pounds of mulch underneath the playscape, swings and benches, Frazier said.

"This is what we do and this is something we enjoy doing," Rose

The park cleanup is just one of several efforts that FCA is undertaking near the new plant. FCA is also funding a home repair grant program through the City of Detroit to help homeowners near the plant invest in and improve their homes.

Starting in mid-August, 47 residents along Beniteau Street have had an opportunity to apply for home improvement grants of up to \$15,000, Frazier said. Subsequently, the grants will be made available to more eastside resi-

Overall, FCA and the city of Detroit have committed \$35.2 million in community benefits.

Ex-Google Employee Named As Thief of AV Technology

DETROIT (AP) - A self-driving spinoff also got guarantees to vehicle pioneer who used to work for Google has been charged with stealing secrets from the company before he joined Uber's efforts to build robotic vehicles.

Anthony Levandowski was charged with 33 counts of trade secrets theft in an indictment filed Aug. 27 by the U.S. attorney's office in San Jose, Calif. The criminal case arose out of a lawsuit that Google self-driving spinoff Waymo filed against Uber alleging technology theft.

Here's how it wound up in the criminal courts:

HOW IT STARTED - Former Uber CEO and founder Travis Kalanick believed that the company could not survive without being the leader in autonomous vehicles. One of Uber's biggest expenses is to pay drivers for ferrying passengers, and that cost could be reduced or eliminated with vehicles that drive themselves. Uber feared it would face a cost disadvantage if another company started an autonomous ride-hailing service first.

Levandowski in 2015. Levandowski soon left Google to help found Otto, a self-driving truck startup. Uber bought Otto for \$680 million in 2016 and got both Levandowski and Otto's technology.

Google sued Uber accusing it of stealing autonomous vehicle secrets and alleging that Levandowski downloaded documents before he left the company. The theft allegedly included Google technology for laser sensors that give the cars the ability to see their surroundings.

Uber denied knowing about the documents, and Levandowski invoked his Fifth Amendment right against self-incrimination leading up to a trial. He was eventually fired by Uber. HOW THE CIVIL

TURNED CRIMINAL - About a week after the trial began in early 2018, Uber agreed to settle the case and pay \$245 million to Google's self-driving car spinoff, now called Waymo. The Google

prevent its technology from being used in Uber's autonomous

But before that happened, U.S. District Judge William Alsup in San Francisco, who was overseeing the Waymo-Uber lawsuit, took the unusual step of referring the case to the U.S. attorney's office based on testimony and evidence unveiled ahead of a

DID UBER KEEP DEVELOPING SELF-DRIVING VEHICLES? – Yes, but it ran into serious trouble in March 2018 when one of its autonomous test vehicles, a Volvo SUV, killed a pedestrian on a darkened street in Tempe, Ariz. Elaine Herzberg, 49, was pushing a bicycle when the crash occurred. Investigators later determined that Uber's human backup driver was streaming the television show "The Voice" on her phone and was looking downward before the crash. Investigators concluded the crash could have been avoided had Vasquez not been distracted.

The NTSB released a prelimi-That led Uber to start recruit- nary report saying the autonomous driving system on Uber's SUV spotted Herzberg before hitting her, but didn't stop because the system used to automatically apply brakes in potentially dangerous situations was disabled "to reduce the potential for erratic vehicle behavior."

Uber suspended its autonomous vehicle testing on public roads after the crash, and it was also put on hold by Arizona's governor. Uber resumed testing autonomous vehicles in Pittsburgh in December 2018 after getting clearance from Pennsylvania officials. The cars run autonomously but have two human safety operators called "mission specialists" in the front seat. Uber also is gathering data with human drivers in control in San Francisco and Toronto.

WHAT HAPPENS NOW IN CRIMINAL CASE? Charges will proceed against Levandowski, who faces up to 10 years in prison and \$250,000 in fines per criminal count.

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Srini Kambhampati

LTU Names New Dean

named the new dean of the College of Arts and Sciences at Lawrence Technological Universitv. He succeeds Hsiao-Ping Moore, who retired.

Kambhampati comes to LTU from The University of Texas at Tyler, where he was associate provost for research, said Lawrence Tech spokesman Matt Roush. Earlier, from 2011 to 2017, he was S.A. Lindsey Professor and Chair of the Department of Biology.

Kambhampati started his career at Kansas State University in 1992, where he was an assistant professor of entomology. He was promoted to associate professor of insect genetics and evolution in 1998 and to full professor in 2002.

In addition, Khambhampati was a by-fellow in the Laboratory of Development and Evolution at the University of Cambridge in the United Kingdom in 1999, and an assistant faculty fellow and postdoctoral research associate at the University of Notre Dame from 1987 to 1992.

He has authored or co-au-

Srini Kambhampati has been thored more than 70 scholarly papers and has been involved in grant applications resulting in more than \$5 million in research funding for the institutions where he taught. He described his research-based approach to education this way: "I believe in the thrill of self-discovery rather than information."

Kambhampati received his bachelor of science in agriculture from Andhra Pradesh Agricultural University in Hyderabad, India, and his master's degree in pest management in the Department of Biological Sciences and his doctor of philosophy in biological sciences from Simon Fraser University in Burnaby, British Columbia, Canada.

At LTU, the College of Arts and Sciences is home to the university's programs in chemistry, communications, computer science, humanities, mathematics, nursing, physics, and more. It is comprised of the Department of Humanities, Social Sciences, and Communication; the Department of Mathematics and Computer Science; and the Department of Natural Sciences.

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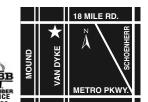
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