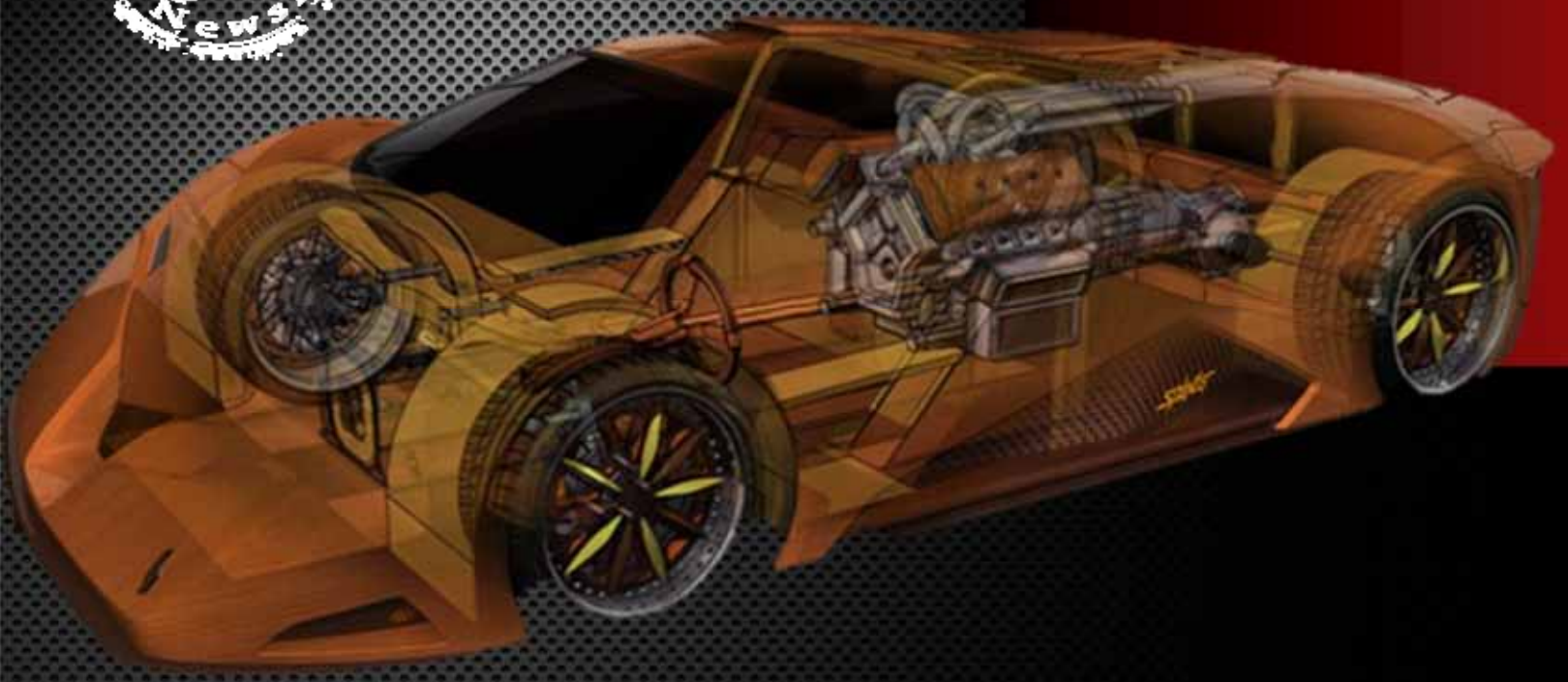
ISO 9001:2008 CERTIFIED
DAuto Group of Companies



58th Edition Newsletter

2014

JUNE
EDITION

DAuto NEWS LETTER

Design engineers turn designs into reality. Without them, a great idea but nothing more than, …. well, a great idea.

Ferrari F12Berlinetta

The Ferrari F12berlinetta has been awarded the Compasso d'Oro (Golden Compass), one of the oldest and most prestigious international design accolades. The basis is provided by the Ibiza Cupra, with its 132 kW / 180 PS TSI engine and DSG dual-clutch

The F12berlinetta is the most powerful, high-performance Ferrari road car ever built and epitomises the perfect balance between maximum aerodynamic efficiency and the elegant proportions typical of Ferrari's front-engine V12 cars.
transmission.
While the body shell is largely the same as that of the series-production model up to the shoulder line, everything above has been specifically redesigned

Nissan opens satellite design studio in Rio de Janeiro

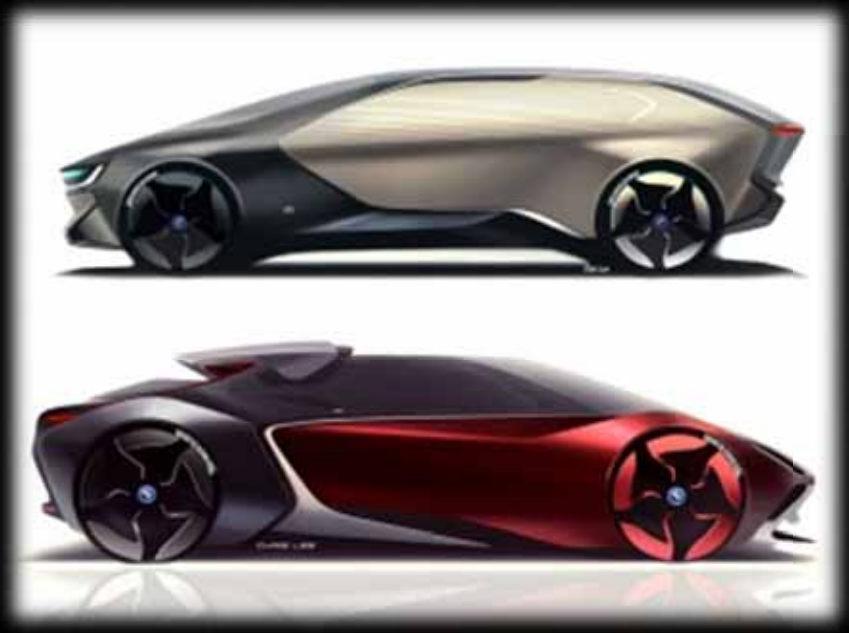
Nissan has announced the opening of a satellite design studio in Rio de Janeiro to explore Brazil's unique passion for automotive design and desire for quality products with high-character and high-energy design. Located at Nissan Brazil's headquarters, Nissan Design America Rio (NDA-R) is tasked with researching further into Brazil's design taste and consumer's needs.

The Rio de Janeiro location was selected because it has "everything that fuels creativity," according to Nakamura. "Rio has Nissan Brazil HQ, and it has the most wonderful combination of art, lifestyle, vibrancy of the city and natural beauty. This is where designers want to be," he said.

All of Nissan's products are designed in global collaboration, leveraging the strength, creative talents and unique skill sets of each studio location under the leadership of Nakamura.

Art Center graduate envisions the BMW "i" of the future

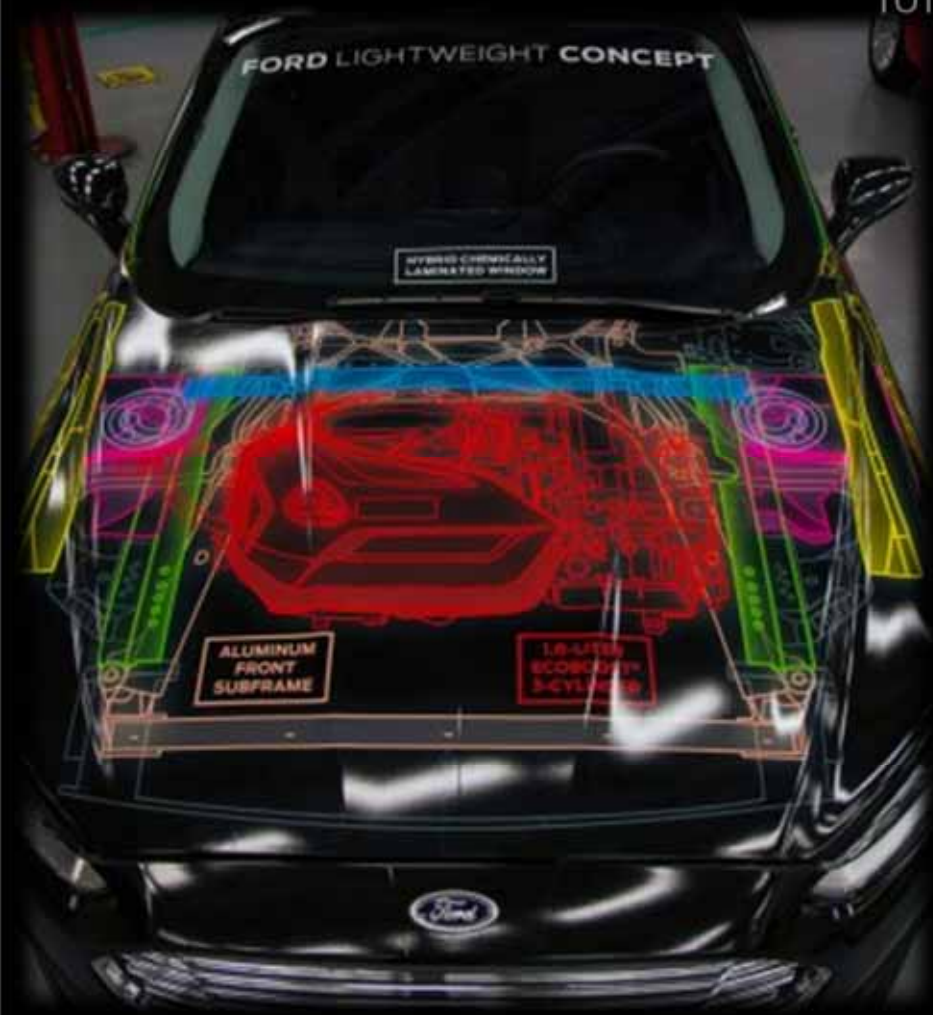
Chris Lee developed a line of concept cars envisioning a possible evolution of the BMW "i" sub-brand in both the short and long term.



The i6 would be the third vehicle to join the lineup after the i3 and i8. This mid-size vehicle strengthens the brands design values as well as evolve the design language. The most apparent design feature is the use of the black belt in a more functional way.

Ford uses Lightweight Concept Car to test new materials

Ford is testing new materials and technology on a Fusion-derived experimental car, which achieves a 25 percent weight reduction and showcases potential solutions for future models.



The Ford Lightweight Concept represents the latest phase of Ford's research into developing sustainable technology solutions that are affordable for consumers and can be produced in large volumes across the product lineup.

The research vehicle was developed with the U.S. Department of Energy's Vehicle Technologies Program, together with Cosma International – a subsidiary of Magna international – to illustrate long-term potential light-weighting solutions . Magna's design and development of the multi-material body-in-white, closures and chassis components are a significant contribution in light-weighting the concept vehicle.

Porsche reveals 911 secret concepts from the past

Porsche has released a series of short videos titled “Porsche 911 Secrets” that reveal some secret projects of the past, including an aerodynamic concept, a V8-powered 911 and the first 911 turbo.

The projects revealed so far are:
911 Mid-engine concept – A modified 911 Turbo built in the early 1990s to secretly test a mid-engine layout, that would be later used for the Boxster.
911 V8 Concept: a unique prototype powered by an Audi-derived water cooled V8 engine.

911 Aerodynamic Concept – an experimental car created in 1984, with an impressive drag coefficient of 0.27–compared to the 0.40 of the standard 911 of the time . The first 911 Turbo: the very first 911 Turbo was built in 1973,as a birthday present for Louise Porsche- Piech , sister of Ferry Porsche and daughter of Ferdinand Porsche, who used it as her personal car.

Google's self-driving car

Google has recently unveiled an early prototype of its autonomous vehicle, showcasing a distinctively friendly, cute- ish styling. We report the first details along with the opinions of top designers published by the Fast Company magazine.

Google is planning to roll out and extensively test 100 prototypes within the next 12 months, with the first experimental programs expected to begin within 2 years. The extremely "cute" styling of the car has raised controversial reactions: while the early prototype might not be the last word on how the final vehicle will look, its curvy, friendly appearance is more than likely to be a necessity for a brand new concept of transportation – a fully autonomous vehicle – where the "trust" element is key.

McLaren Special Operations confirms limited edition bespoke 650S

McLaren Special Operations (MSO) has confirmed a limited edition of 50 bespoke McLaren 650S that will be available globally, in either a Coupe or Spider body style. The production car will make its global debut, in Spider form, and will be seen in action taking part in the famous Hill run.

The exterior of the MSO 650S is fitted with a number of carbon fibre styling upgrades with a satin finish, including extended MSO Side Blades giving a subtle and purposeful look. The three-piece rear bumper includes a carbon fiber center section, and sits above a more aggressive rear diffuser.

The MSO 650S is available in three paint finishes, specially formulated by the bespoke division of McLaren Automotive, all featuring a heavy metallic content.

Harley Davidson reveals Project Livewire electric motorcycle

Harley-Davidson has unveiled the first details on the Project Live Wire – its very first electric motorcycle, with the goal of gauging public reactions and getting feedback from potential customers.

While not for sale, Project Live Wire is specifically designed for the purpose of getting insight into rider expectations of an electric Harley-Davidson motorcycle.

A 2014 U.S. tour – kicking off with a journey down Route 66 – will visit more than 30 Harley-Davidson dealerships now through the end of the year. In 2015, the Project Live Wire Experience will continue in the U.S. and expand into Canada and Europe.

Effeffe Berlinetta

The Berlinetta is a prototype of a limited edition coupé created by Officine Fratelli Frigerio, with the goal of reviving the style and the production processes of the special cars created by Italian coahbuilders in the 1950s and 1960s.

The car is powered by an Alfa Romeo-derived 2.0 liter engine and is based on a tubular chassis coupled with a body made of hand-hammered aluminum sheet panels. Like the exterior, the interior is completely hand-built, and features a complete leather upholstery with matching luggage and golf bag – created by specialist Matteograssi – and a wool floor mat. All the colors and trims can be specified by customers. The Effeffe Berlinetta has an overall length of 3.98 meters and a total weight of 840 kg, and can reach a top speed of 245 km/h. The goal of the project is to start a very limited production run with each unit built to custom specifications.

Forced Induction

An engine requires three things to generate motion: fuel, air, and ignition. Cramming more air into an engine will increase the power generated by the engine's pistons. A long-standing way to do that, and one that's becoming increasingly popular as of late, is to use forced induction. You may know this process better by the parts that do make it happen turbochargers and superchargers.

Now researchers have found a new alternative for low-temperature waste-heat conversion into electricity -- that is, in cases where temperature differences are less than 100 degrees Celsius.

Detect road hazards with TI's AFE sensor technology for automotive radar applications

DALLAS, TX -- Texas Instruments (TI) introduces the industry's fastest and lowest power baseband receiver analog front end (AFE) for ADAS applications. The 4-channel AFE5401-Q1 is designed for the next generation of automotive radar applications where space constraints and increasing radar performance are driving a need for greater bandwidth, high integration and low power.

Features and benefits of AFE5401-Q1:

- Intelligent detection: 4 separate channels are simultaneously monitored by the device to determine the exact direction of the incoming radar signal. This allows the automotive radar system to make smart decisions about where an object is located, if it is moving and how soon a response needs to occur.
- Best-in-class position and speed discrimination: 25-MSPS-per-channel sampling speed enables automotive radar designers to implement industry-leading position and speed detection of fast-moving targets.
- Low power, higher performance: At only 65 mW per channel, the AFE5401-Q1 provides the lowest power per receive channel and enables more radar receive channels per system without increasing power budget.

ROLLS ROYCE

Logo used since 1911 is a stacked double R "RR" meaning Rolls Royce. The mascot associated with the car is a woman with her arms spread behind her, known as "The Spirit of Ecstasy" or "Flying Lady". The mascot was originally used as the radiator cap, later became the hood ornament..

Rolls-Royce Limited was created over a famous lunch in May 1904. Henry Royce, a successful engineer, struck a deal with Charles Rolls, owner of one of the first car dealerships. The rest is history. The ensuing series of two, three, four and six cylinder cars broke the mould for engineering and craftsmanship. The Silver Ghost, launched in 1907, was a car of legendary smoothness that completed a 14,371 mile virtually non-stop run, creating 'the best car in the world' legend.

ECO-FRIENDLY MESSAGE

Make an effort for a cleaner environment Conserve energy and save money.

STUDENT'S CORNER

This design have been prepared and envisioned by Md. Shahnawaz Khan (Corporate College, Bhopal) students of DAuto CAD School during the period of Software Training on CATIA V5.

Students of DAuto CAD School during the period of Software Training on CATIA V5.

CONNECT
THROUGH

visit us at www.dauto.co.in

Thanks for reading.