



Automotive IQ

FEBRUARY TOP FIVE

WHICH CONTENT CAUGHT THE ATTENTION OF 50.000 AUTOMOTIVE IQ MEMBERS?

CHECK OUT THE TOP 5 CONTENT PIECES FOR FEBRUARY 2018!



#01

WHY USE NETSPEED FABRIC ON AUTOMOTIVE SOC DESIGNS?

The race to autonomous vehicles is pushing autonomy and the adoption of complex heterogeneous systems, yet calling for ultimate reliability and scalability in automotive SoCs. Designing such SoCs with efficient communication between compute elements – CPU clusters, GPUs, accelerators for vision processing and storage - while achieving functional safety is a challenge. These complex communication requirements within such a SoC, call for the use of an advanced, correct-by-construction interconnect fabric that enables designers to meet the required performance, latency, coherency, safety and reliability.

- Identify the system level challenges facing automotive autonomy
- Explore architecture and design strategies for autonomous vehicle SoCs
- Creating interconnect fabric for automotive SoC that enables the needed performance, latency, coherency, safety and reliability

Watch the webinar!



#02

TOP 5 MERGERS & ACQUISITIONS IN AUTOMOTIVE HISTORY

Mergers & acquisitions occur for reasons such as to synergise complementary strengths and weaknesses, to eliminate competition and ensure growth, to facilitate easier entries into new markets, and the global automotive industry we know today has been shaped by such M&A's since the mid 80's

Read the article!

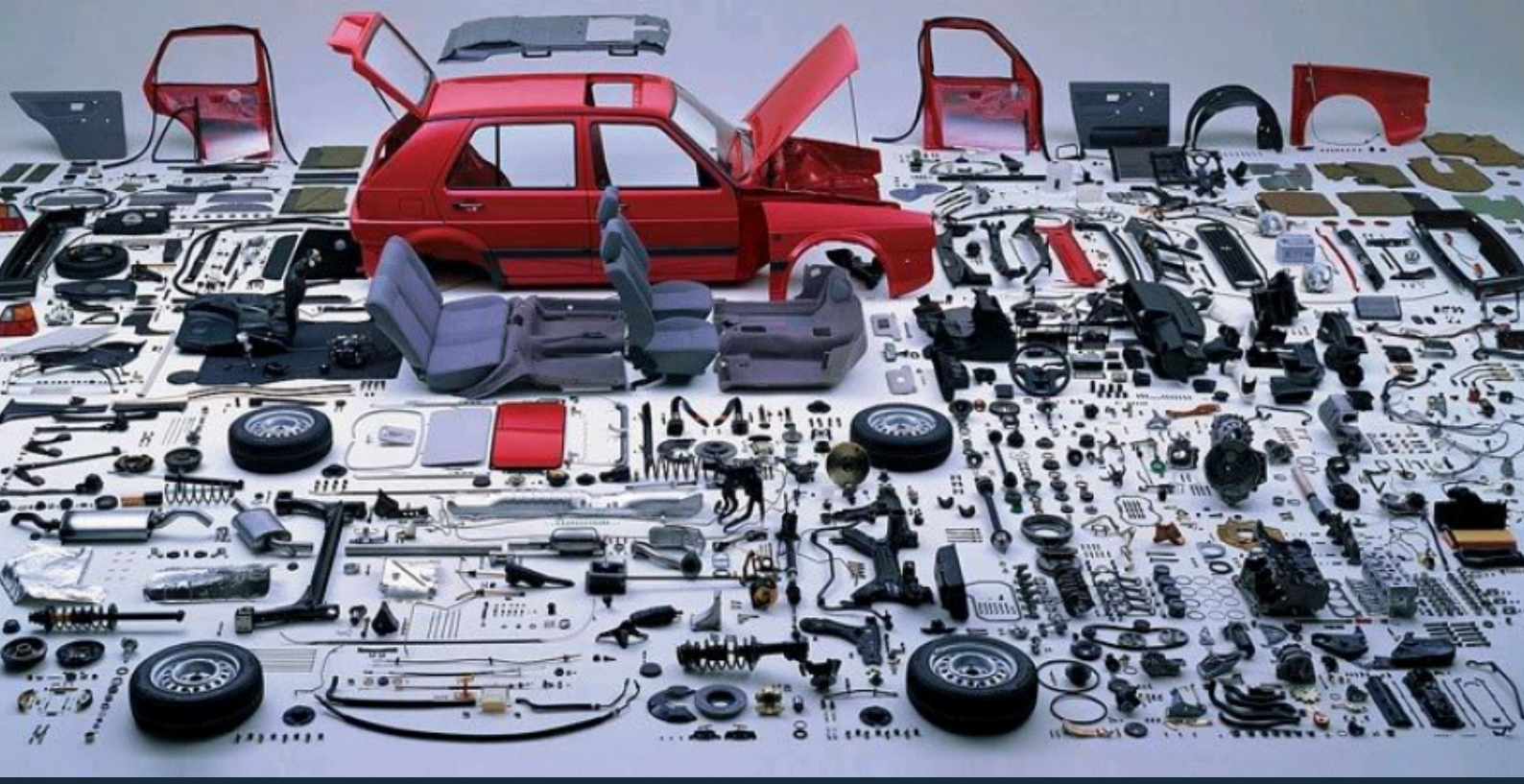


#03

ELECTRIC VEHICLE HEATING AND COOLING

The operation of HVAC systems in PEVs or any fully electric vehicle poses many of the same problems that running other systems face, but HVAC use poses some unique challenges, too. In climates where electric cars are or will be a major part of the transportation load from now on, consumers demand efficient and powerful heating and cooling in their vehicles.
To help system improvements now underway in fully electric vehicles, engineers had to move away from the vehicle's ability to use the large amount of excess heat produced by internal combustion engines. Regulating the temperature in any battery vehicle is a delicate venture since the power source degrades by calculable amounts under regular use, but by irregular amounts under the most stressful conditions.

Read the article!



#04

TOP 5 AUTOMOTIVE MANUFACTURING PLANTS

For the automotive interested, often it is the cars that are the main attraction. However, the manufacturing plants tend to be as, if not more, fascinating when it comes to performance and uniqueness. Automotive IQ reviewed details of multiple manufacturing plants, in order to give you our top 5 automotive plants based on factors such as the sheer size, production numbers, quality in output or a certain 'wow-factor' that comes with the location. Enjoy!

Read the article!



#05

CYBER SECURITY IN THE AGE OF AUTONOMOUS VEHICLES

The age of the driverless car draws ever nearer and the automotive industry is acutely aware of the need for greater connectivity in order to realise the ambitions of fully autonomous vehicles. New cars today are already utilizing connected services and electronically controlled systems are managing various driver assist functions.

Read the article!

INTRODUCING AUTOMOTIVE IQ

Automotive IQ is an international online platform focusing on providing automotive industry professionals with a central resource for knowledge on topics such as Autonomous Drive, Powertrain, Electrics/Electronics, Chassis Systems and Car Body & Materials.

Membership is free. By becoming a member you have access to a plethora of industry-relevant information through expert interviews, white papers, our blog, presentations and podcasts. You will also find links to our upcoming automotive conferences focusing on current topics and future trends within the auto industry.

Most importantly, the Automotive IQ is a community. We are dedicated to creating a learning environment for sharing best practices and finding solutions to challenges within the automotive industry.



Business Intelligence for the Global Automotive Industry

www.automotive-iq.com