

Press information from the partners of the “Energy-Efficient Driving 2014” (EFA 2014) research project

Audi, Audi Electronic Venture, BMW Group, Bosch, Continental Automotive, ELMOS Semiconductor, Flextronics Automotive, FZI Forschungszentrum Informatik, Harman Automotive Division, Infineon Technologies und metaio.

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Research project "Energy-Efficient Driving 2014".

Ministry of Education and Research gives the go-ahead for a joint research project by the German motor industry. Target: to cut consumption by up to ten per cent.

Berlin/Munich. Eleven partners from the German automotive industry will be joining forces over the next two years to explore innovative technologies and concepts for cutting fuel consumption, and with it CO₂ emissions. The “Energy-Efficient Driving 2014” project (EFA 2014), which arose from the Innovation Alliance for Automotive Electronics, is targeting a reduction in consumption of up to ten per cent. The German Ministry of Education and Research is backing the initiative to the sum of approximately nine million euros as part of the Federal Government’s “High-Tech Strategy”.

The project is based on two pivotal approaches aimed at significantly boosting energy efficiency in vehicles. Firstly, cars are to become “intelligent” and, for example, use knowledge of the planned route to develop proactive operating strategies designed to save energy. Data from navigation, radar or camera systems offer the possibility of recognising driving situations with greater power requirements or reserves and, based on this, initiating appropriate responses in good time on the part of the car or driver. Secondly, the vehicle power supply and associated components are to be specifically tailored to the possibilities of these intelligent operating strategies. The architecture of the on-board power supply, for example, is being completely rethought with optimal brake energy regeneration in mind.

Marco Bruemmer, BMW Group, EFA 2014 Project Coordinator: “The innovative approach of this research project means that entirely new angles on energy-efficient

driving are being investigated. The results of the project, moreover, are important for future generations of electric vehicles whose energy management systems can derive significant benefit from proactive operating strategies.”

With its targeted cutback in fuel consumption of up to ten per cent, the project will be able to contribute significantly to the European goal of achieving a 20 per cent reduction in CO₂ emissions by the year 2020.

The companies involved in the EFA 2014 project are Audi AG, Audi Electronic Venture GmbH, BMW AG, Continental Safety Engineering International GmbH, ELMOS Semiconductor AG, Flextronics Automotive GmbH & Co. KG, FZI Forschungszentrum Informatik, Harman Automotive Division (Harman Becker Automotive Systems GmbH), Infineon Technologies AG, metaio GmbH and Robert Bosch GmbH. The project is coordinated by the BMW Group.

For further information please go to: www.eenova.de/projekte/efa2014.

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