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AWARD FOR "VMAP" RESEARCH PROJECT

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New CAE standard for virtual engineering with cooperation of the EDAG Group

Special achievements receive special awards. "VMAP", a manufacturer-neutral standard for CAE data storage and transmission was created in the course of the international ITEA cooperation project headed by the Fraunhofer Scientific Computing and Algorithms Institute (SCAI). EDAG, the world's largest independent engineering service provider in the automotive industry and project participant, tested application scenarios for the new standard in the automobile environment. The aim was to improve interoperability in virtual engineering workflows. Thanks to these outstanding results, "VMAP" (Virtual Material Modelling in Manufacturing) received the "ITEA Award of Excellence for Standardization".

Computer-aided engineering, or CAE for short, is used to develop products and components in wide variety of fields of industry. All the essential simulation steps should be efficiently combined chain, and an integrated product development made possible, taking all relevant production effects into account. Only in this way can structurally optimised components and products be realised ac veral simulation steps. However, as things stand today, such continuous communication between erent simulation software types is not yet anchored in the systems. The newly developed VMAP standard now the manufacturer-independent exchange of data between the various CAE programs pment chain possible.

new interface created in this way not only makes it easier for the user to exchange data between different software tools, but also makes a significant contribution to increasing the efficiency of simulation-based development.

Dr. Lukasz Lasek, project leader for the implementation of the new simulation standard in the automobile environment, reports on his experience: "We, EDAG, contributed towards ensuring that the operations and use cases in the automotive industry can be more than just secured with the new standard. With our project results, we have contributed to considerably increasing efficiency in the CAE environment by using VMAP in the correct use case. And we are particularly pleased, after three years of cross-sector, international collaboration with our cooperation partners, to be the holders of the "ITEA Award of Excellence for Standardization"."

ITEA is the Eureka Cluster programme for software innovation. Within this large international community, it will be possible to work together on funded projects that will turn innovative ideas into new companies, workplaces, economic growth, and benefits to society as a whole.

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