



Die Industrie- und Handelskammern
in Baden-Württemberg



In cooperation with
EUROPEAN
SATELLITE NAVIGATION
COMPETITION 2014
Baden-Württemberg Challenge

PRESS RELEASE

Baden-Württemberg state winners top in Europe Precise navigation wins

Reutlingen / Heidelberg, October 30, 2014. Prof. Reiner Jäger and his team from Karlsruhe University - Applied Sciences are the state winners at European Satellite Navigation Competition 2014. They received the prize for "NAVKA", the next generation of navigation, winning € 500 and a rent-free office. Internationally, the project achieved 3rd place amongst 434 candidates from 40 countries.

NAVKA (www.navka.de) stands for "Navigations-Algorithmen und -plattformen Karlsruhe" [navigational algorithms and platforms Karlsruhe] and is based as an R&D project at the Institute for Applied Research at Karlsruhe University – Applied Sciences. There, a new means of combining varied sensor types in a network is being developed to support vehicles, people and goods for seamless navigation both in the open and in buildings.

Successful in practice

NAVKA is already used in several products such as a solution for precise indoor navigation developed together with "in-integrierte informationssysteme GmbH", Konstanz. Three research assistants in the NAVKA team are doing a doctorate in the sector of innovative navigation technologies designed to be both high-precision and cost-effective.

Navigation for the future

Precise satellite positioning is the driving force for innovative navigation technologies. But the spectrum is only complete when data from a network of sensors are combined with the determination of further vectors. This is precisely where the "Navigations-Algorithmen und -plattformen Karlsruhe" (NAVKA) project comes in. With this, Prof. Reiner Jäger and his team are opening up promising business fields for companies of various branches.

Almost boundless possibilities

"Navigation is much more than positioning. Therefore, the possibilities of NAVKA are also almost boundless. They extend from geocoding, geomonitoring and rail navigation up to the Virtual Reality field," the project leader, Prof. Dr. Reiner Jäger, explains. His team includes the research assistants Stephan Batke, Andreas Hoscislawski, Julia Diekert, Jan Zwiener and Axel Lorenz, as well as student assistants.

Further prizes

Second prize went to the student Sabine Zureikat for her still confidential project "Follow me". Joint third places went to MagicMaps GmbH, Pliezhausen, and Bernot IT, Konstanz. With the "Woodscout-App" from MagicMaps wood stacks can easily be registered and transmitted. This benefits forest owners, foresters, timber buyers and forwarding agents. The safety-critical software application by Bernot IT is being developed in cooperation with Gehorlosennotruf.de and is, at present, being patented. Product details may only be published after the patent is granted.

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European Satellite Navigation Competition (ESNC)

Every year, the European Satellite Navigation Competition honours the best ideas for satellite-based applications. In 2014, the Baden-Württemberg state winners can once again expect attractive cash and material prizes. The winner of the first place receives € 500 and a rent-free office for two years in the Technologiepark Tübingen Reutlingen (TTR). Dr. Stefan Engelhard from the ESNC office Baden-Württemberg at IHK Reutlingen will answer questions regarding this issue on tel. 07121 201-119 or by e-mail:

engelhard@reutlingen.ihk.de.

More information regarding the competition can also be obtained from www.galileo-masters-bw.de.

On request, we will happily send you detailed press releases on the winning projects as well as images.