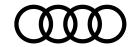**Technology and Innovation Communications**
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Team AFILSOP of the Ilmenau University wins Audi Autonomous Driving Cup 2017

- **Young talent solves complex assignments with self-programmed software**
- **Scaled-down Audi Q2 drives autonomously and with new sensors through a course**
- **Head of Development Mertens: "Impressed by the creative solutions"**

Ingolstadt, November 17, 2017 – The 10,000 euros prize money for the Audi Autonomous Driving Cup 2017 goes to Ilmenau. In the finale for the competition, the team from AFILSOP prevailed against the heavy competition from seven other universities. During the third Audi Autonomous Driving Cup, students for the first time also completed tasks in the field of artificial intelligence (AI).

The overall winner was determined in three steps: The compulsory part consisted of autonomous driving tasks on the course and a scientific lecture. After this came the eagerly anticipated "open" challenge. During this free-form demonstration, the eight teams completed a self-assigned task with their miniature Audi Q2, reduced to a scale of 1:8. The focus here, for the first time in the history of the competition, was on artificial intelligence. "I was extremely impressed by the creative solutions from the students in the area of artificial intelligence," said Peter Mertens, Board of Management Member for Technical Development at AUDI AG, during the award ceremony. "AI is one of the keys on the way to self-driving cars."

The electric-drive high-tech model cars were equipped with ultrasonic sensors, 3D cameras, rear-view cameras and a powerful NVIDIA graphics card to calculate AI algorithms. The combination of sensor technology and mainframe computer corresponds in principle with that of a production car from Audi. The miniature cars raced with this setup and with software coded by the students themselves – safely and in compliance with the rules.

In the end, the team from AFILSOP of the Ilmenau University of Technology most impressed the jury panel with its outstanding performance. The students confidently performed the driving assignment on the course, presented their development work in a clearly organized manner and demonstrated surprising ingenuity during the open challenge. Audi Board Member for Development Peter Mertens presented the winner's certificate and the 10,000 euros prize money. Second place, with 5,000 euros in winnings, was taken by the team from TACO. The FAUtonOHM team of the Friedrich Alexander University of Erlangen-Nuremberg / Nuremberg Institute of Technology took third place and received 1,000 euros in prize money.

More information and all of the results can be found at:
www.audi-autonomous-driving-cup.com

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