

Students from Geisenheim get excited about microchips

Schloss Hansenberg boarding school takes 2nd place in the nationwide INVENT a CHIP school award. 103 Rheingau students took part in the microchip quiz. The VDE competition aims to arouse curiosity about technology.

(Frankfurt/Geisenheim, 2022/09/30) Whether cell phones, calculators or e-bikes - many of our everyday products only work because they contain microchips. But microchips not only help to make our daily lives easier, they are also important for the energy transition and climate protection: for example, by optimally controlling solar panels and heating systems or optimizing battery charging cycles. The nationwide competition INVENT a CHIP (IaC) competition organized by the VDE Verband der Elektrotechnik Elektronik Informationstechnik e.V. (Association for Electrical, Electronic & Information Technologies) with funding from the German Federal Ministry of Education and Research (BMBF) aims to familiarize school students with this technology of the future and get them excited about the world of technology.

750 euros for 2nd place

The Schloss Hansenberg boarding school took second place in the INVENT a CHIP School Award and was rewarded with 750 euros. The total of 103 participants had an index of 0.71 (with an index of 1, all students would have answered all questions correctly). Online, the students had to answer up to 20 tricky and technically challenging questions and tasks about microchips and microelectronics. Here is a small selection: What is the advantage of semiconductor transistors? How many functioning chips can be produced per wafer on average? What is the main raw material for microchips? The boarding school has ranked high more often in the past, 3rd in 2021, 2nd in 2020, 3rd in 2019.

Entering the world of chips

The IaC quiz with the associated school prize for grades nine to 13 is the first introduction to the world of chips. This year, a total of 572 students from 126 schools submitted their solutions. In addition to the IaC quiz, the IaC Challenge with the IaC Camp forms the core of the INVENT a

CHIP competition. In addition to the quiz questions, the camp is about learning the basics of chip design and implementing your own initial chip designs. The best of the IaC Challenge and the IaC Camp are currently being selected, and the awards ceremony will take place in November in Berlin.

INVENT a CHIP is supported by numerous sponsors: Bosch, Cologne Chip, Globalfoundries, Infineon, Mentor Graphics, Siemens, DKE.

About VDE:

VDE, one of the largest technology organizations in Europe, has been regarded as a synonym for innovation and technological progress for more than 125 years. VDE is the only organization in the world that combines science, standardization, testing, certification, and application consulting under one umbrella. The VDE mark has been synonymous with the highest safety standards and consumer protection for more than 100 years.

Our passion is the advancement of technology, the next generation of engineers and technologists, and lifelong learning and career development “on the job”. Within the VDE network more than 2,000 employees at over 60 locations worldwide, more than 100,000 honorary experts, and around 1,500 companies are dedicated to ensuring a future worth living: networked, digital, electrical. Shaping the e-dialistic future.

The VDE (VDE Association for Electrical, Electronic & Information Technologies) is headquartered in Frankfurt am Main. For more information, visit www.vde.com

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