

FRAUNHOFER INSTITUTE FOR COMPUTER GRAPHICS RESEARCH IGD

PRESS RELEASE

“You can do it!”—slogan of the 55th round of the “Jugend forscht” youth competition

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This year, girls and boys with a passion for science and technology will once again be able to present their creative and innovative research projects at Germany’s most renowned youth competition. The 2020 South Hessen District Competition will take place on February 20, 2020 at Fraunhofer IGD in Darmstadt.

(Darmstadt) The slogan of the 55th round of competition is “You can do it!”. This notion is meant to encourage young researchers to face up to challenges, come up with a research project on their own and take responsibility. Every single STEM talent counts!

For the last 13 years, the Fraunhofer institutes in Darmstadt—the Fraunhofer Institute for Computer Graphics Research IGD, the Fraunhofer Institute for Structural Durability and System Reliability LBF, and the Fraunhofer Institute for Secure Information Technology SIT—have been sponsoring the youth competition and, as in previous years, this year’s event will be held at Fraunhofer IGD and hosted by Dr. Paul Schlöder, a biology and chemistry teacher at the Dreieichschule high school in Langen as well as Stefan Daun, head of quality assurance at Fraunhofer IGD. An address at the opening ceremony will be given by the mayor of Darmstadt, Jochen Partsch, followed by the keynote speech by Dr. Jens Stadlmann from the GSI Helmholtz Center for Heavy Ion Research.

Participants in the South Hessen District Competition will compete in two divisions, “Youth Researching” (ages 15 to 21) and “Students Experimenting” (4th grade to age 14). This year, 59 students will present a total of 31 different projects. The young scientists will vie for recognition of their projects in the areas of work environments, biology, chemistry, earth science, geography, mathematics/computer science, physics and engineering.

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The competition is held nationwide and consists of three rounds. The first round is the district competitions, where the victors qualify for their local state competition.

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Whoever is interested in the young scientists' creative ideas is cordially invited to a public presentation at Fraunhofer IGD on February 20, 2020 starting at 2:00 PM. The best from each state will then go toe-to-toe in the final round, the national competition.

Program

2:00–4:00 PM	Public presentation of the projects
3:30–4:00 PM	Pre-ceremony reception
4:00–6:00 PM	Ceremony with awards and a keynote speech by Dr. Jens Stadlmann from the GSI Helmholtz Center for Heavy Ion Research Sendoff by Dr. Paul Schlöder
6:00 PM	Conclusion

For more information, visit:

www.jugend-forscht-hessen-sued.de

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Photo: The slogan for this year's district competition is "You can do it!". Use your imagination and be creative. Come up with your own ideas and announce your inventive solutions to the world of tomorrow. (© Stiftung Jugend forscht e. V.)

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Institute profile

Founded more than 30 years ago, Fraunhofer IGD has become the world's leading institution for applied research in the field of visual computing. Visual computing means image and model-based IT. In simple terms, it describes the capability of transforming information into images (computer graphics) and extracting information from images (computer vision). The numerous application scenarios include human/machine interaction, interactive simulation, and modeling situations.

Our developers at the sites in Darmstadt, Rostock, Kiel, Graz, and Singapore develop new technical solutions and prototypes all the way up to the market readiness stage. In collaboration with our partners, this results in application solutions that are custom-tailored to customer requirements.

Our approaches facilitate the work with computers and are efficiently used in the industry, in everyday life, and in the healthcare sector. Our research highlights includes assisting people in the Industry 4.0, the development of key technologies for the Smart City, and the use of digital solutions in the field of Individual Health.

Through applied research, we support the strategic development of the industry and economy. Especially small and medium-sized enterprises as well as service centers can benefit from this and be successful on the market with the help of our leading technologies.

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