Pressemitteilung

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21.06.2022
http://idw-online.de/de/news795891

Studium und Lehre
Physik / Astronomie
überregional

New Professorship for Applied Quantum Technologies at FAU

FAU once more proves its excellence in quantum technology research: The Bavarian State Ministry of Science and the Arts is providing funding of around four million euros from the High-Tech Agenda Bavaria for the Professorship for Applied Quantum Technologies at Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU).

“The Professorship for Applied Quantum Technologies is a further milestone for establishing FAU as a top-level university in this promising field of research,” says FAU President Prof. Dr. Joachim Hornegger. “This high amount of funding means that quantum research in Erlangen, which is already very well represented with projects such as the collaborative research center “Quantum Cooperativeness of Light and Matter” and the recently acquired Humboldt Professorship, will gain even further momentum.”

Developing quantum technologies for industrial applications

Quantum technologies involve four different areas: Quantum computers, quantum networks, quantum sensor systems and quantum simulation. Compared with conventional technologies, quantum technologies provide several advantages, for example higher computing power (quantum computers) or higher sensitivity, for example in quantum sensor systems. The aim of this new professorship is to utilize these advantages and further develop them for industrial applications.

Bavaria as a top location for quantum technologies

The funding is part of the “Program for strengthening interdisciplinary teaching and research capacities in the field of quantum science and quantum technologies“ as part of the Bavarian quantum initiative called Munich Quantum Valley (MQV) – a network comprising FAU, Ludwig-Maximilians-Universität München (LMU), Technical University Munich (TUM), the Bavarian Academy of Sciences and Humanities (BAdW), the German Aerospace Center (DLR), Fraunhofer Gesellschaft and the Max Planck Society (MPG).

With the Munich Quantum Valley as its epicenter, the State of Bavaria is already an internationally recognized top location for quantum technologies. “We want to build on this advantage and we are broadening the network with even more expertise by providing funding for selected professorships in quantum research,” explained science minister Markus Blume in his announcement. “The entire State of Bavaria is set to benefit as a location for science and business. Funding will be provided from our innovation campaign High-Tech Agenda Bavaria, which amounts to an investment of several billion euros,” Blume continued.

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