

Strategy of quantum future industry development

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Biography

Dr. Daisuke KAWAKAMI graduated from Kyoto University and completed master's program in chemistry, Graduate School of Science, Kyoto University in 1993. He joined Toray Industries, Inc., and was assigned to Fibers & Textiles Research Laboratory in 1993. He received Ph.D. in engineering from Graduate School of Organic Engineering, Faculty of Engineering, Tokyo Institute of Technology in 2008. He has been the vice president of Toray Industries (America), Inc. since 2016. After serving as Director for Life Innovation Business Strategy Planning Department from 2016 to 2023, he was appointed as Deputy Director General for Science, Technology and Innovation Policy, Cabinet Office, in 2023.

Abstract

In April 2022, Japanese Government compiled “Vision of Quantum Future Society,” which has established the vision and goals to be achieved by quantum technology. The goals by 2030 are “10 million quantum technology users,” “Through quantum technology, production to 50 trillion Yen,” and “Fostering quantum unicorn companies to create future markets.” The new “Strategy of Quantum Future Industry Development,” established this past April, summarizes the priority actions to realize the goals by making quantum technology practically-applied and industrialized. This presentation overviews an overall policy of Japan on quantum technology research and development.