NTT Communications, which recently celebrated its 20th anniversary, has reorganized with the aim of providing a safe and secure platform for data utilization to customers around the world. The company is striving to contribute to building a data-driven society on the basis of the concept called 3S (simple, smart, speedy) + S (secure) while developing technology and systems to implement the Innovative Optical and Wireless Network (IOWN). We asked Hidemune Sugahara, senior executive vice president of NTT Communications, about his enthusiasm and philosophy as a member of senior management.

Hidemune Sugahara, Senior Executive Vice President, NTT Communications

Overview

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Front-line Researchers

Hideki Yamamoto, Senior Distinguished Researcher, NTT Basic Research Laboratories

Overview

Hideki Yamamoto, Senior Distinguished Researcher at NTT Basic Research Laboratories, and his co-researchers are creating novel materials nonexistent in the natural world and elucidating the property of such materials. They apply NTT's unique and state-of-the-art apparatus and technologies to stack the elements making up a material through control of their reaction at the atomic and molecular levels. We asked Dr. Yamamoto about his current research activities and the mindset he adopts as a researcher.

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NTT's Global Business Initiatives

Abstract

The NTT Group positioned its global business as one of its pillars of growth in the NTT Medium-Term Management Strategy announced in 2018. After active pursuit of international mergers and acquisitions, approximately one-fourth of the NTT Group's workforce (135,000 people) now works outside Japan, and the global business has grown in importance.

Feature Articles

Media-processing Technologies for Artificial Intelligence to Support and Substitute Human Activities

Abstract

The coming of digital transformation has been gaining interest, and its development seems to be accelerating during the COVID-19 pandemic. Competition in artificial intelligence (AI) technologies is also intensifying, and platformers are accumulating massive amounts of data as learning data. Amid these trends, NTT Media Intelligence Laboratories is promoting the research and development (R&D) of AI technologies to support and substitute human activities by taking advantage of the technologies and expertise that it has cultivated. This article introduces this R&D initiative.