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Front-line Researchers

Toshikazu Hashimoto, Senior Distinguished Researcher, NTT Device Technology Laboratories

▼Abstract

Today, everything is digitalized. In the creative process, however, not only digital thinking but also analog thinking, which captures events as they are, is considered important. Toshikazu Hashimoto, a senior distinguished researcher at NTT Device Technology Laboratories, is researching and developing optical circuits to enable new information processing using the analog characteristics of light. We interviewed him about the progress of his research activities and his attitude as a researcher.

Feature Articles
NTT Research: Open Collaboration to Upgrade Reality

Opening Up about Our Collaboration Strategy

▼Abstract

There are several means of conducting scientific research. Corporations have traditionally adopted a proprietary approach. The academic world, by contrast, conducts research in a more open and collaborative manner. This article compares these two approaches in the context of basic and applied research; explains why NTT Research, a private company, has adopted an Open Lab model; and reviews how this is working out in practice.

Feature Articles
Research and Development of Security in the IOWN Era

Security as Driving Force of the Future

▼Abstract

This article describes research and development (R&D) of security in the Innovative Optical and Wireless Network (IOWN) era to create a prosperous and enriching society. We seek to change the role of security to activating people and ideas. This new form of security will solve diverse problems related to security motivation in individuals, organizations, and society, convert ideas and computing resources directly into work, and ensure continuous security. We will achieve this through R&D based on the three pillars of theory, data-driven approach, and communication.