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View from the Top

- ▶ Hidehiko Tanaka, Senior Vice President, Head of Technology and Innovation General Headquarters, NTT DATA Group Corporation

Front-line Researchers

- ▶ Masayuki Abe, NTT Fellow, NTT Social Informatics Laboratories

Rising Researchers

- ▶ Koji Azuma, Distinguished Researcher, NTT Basic Research Laboratories

Feature Articles

Keynote Speeches and R&D on Access Networks Presented at Tsukuba Forum 2024

- ▶ Social Well-being Achieved through Social Infrastructure That Is Friendly to People and the Planet
- ▶ Creating "Connections to the Future"
- ▶ Creating New Value: Access Networks to Support a Sustainable Society
- ▶ R&D Activities to Implement an Access Network for the IOWN Era
- ▶ R&D of Innovative Optical Fiber Facility Technologies
- ▶ Wireless Technology Supporting People to Live a Fulfilling Social Life

Regular Articles

- ▶ Transponder Aggregator for 64-degree CDC-ROADM Nodes

Global Standardization Activities

- ▶ Report on the 36th Asia-Pacific Telecommunity Standardization Program Forum (ASTAP-36)

Practical Field Information about Telecommunication Technologies

- ▶ Case Study of Voice Disconnection During Calls on the Hikari Denwa IP Telephone Service due to DHCP Conflicts

View from the Top

Hidehiko Tanaka, Senior Vice President, Head of Technology and Innovation General Headquarters, NTT DATA Group Corporation

▼ Abstract

In July 2023, NTT DATA shifted to a three-company structure consisting of NTT DATA Japan Corporation, which operates a business in Japan, NTT DATA, Inc., which operates a business outside Japan, and NTT DATA Group Corporation, the holding company that oversees the two aforementioned companies. Under the slogan "Realizing a Sustainable Future," NTT DATA is promoting a sustainable management. We interviewed Hidehiko Tanaka, senior vice president, head of Technology and Innovation General Headquarters, NTT DATA Group Corporation, about the technology strategy and vision of NTT DATA under the new structure.



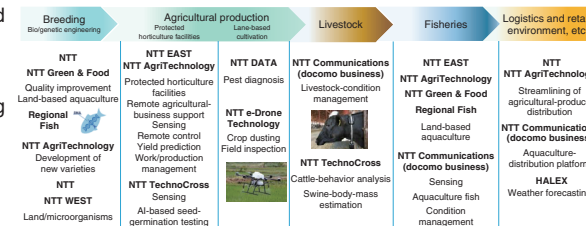
Feature Articles

Keynote Speeches and R&D on Access Networks Presented at Tsukuba Forum 2024

Social Well-being Achieved through Social Infrastructure That Is Friendly to People and the Planet

▼ Abstract

With the emergence of generative AI (artificial intelligence), the world is becoming more convenient; however, electricity consumption is increasing, and environmental problems are becoming more serious. By personalizing products and services to meet diversifying needs from a market-in perspective, while using energy-saving technologies and IOWN (Innovative Optical and Wireless Network) access networks as new human and Earth-friendly industrial and social infrastructure, we can achieve social well-being. This article is based on the keynote speech I presented at Tsukuba Forum 2024 held in May 2024.



Regular Articles

Transponder Aggregator for 64-degree CDC-ROADM Nodes

▼ Abstract

Colorless, directionless, and contentionless reconfigurable optical add/drop multiplexing (CDC-ROADM) nodes will require throughputs exceeding 8 Pbit/s by 2035, and transponder aggregators supporting high-degree and multi-band functionality will be crucial devices. We demonstrated a low-loss multicast switch capable of supporting a 300-nm bandwidth and 64 degrees, a suitable device for this purpose. The prototype's insertion loss was less than 8.0 dB in all paths, and the extinction ratio exceeded 40 dB.

