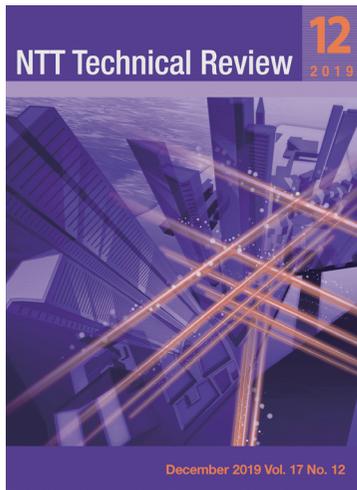


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Seiji Maruyama, Senior Executive Vice President, NTT DOCOMO

▼Overview

Japan has reached the point in its advancement that it has to urgently and thoroughly address contemporary problems such as energy consumption, deterioration of infrastructure, and other social issues, including a declining birthrate and aging population. NTT DOCOMO is tackling these social issues using fifth-generation mobile communication systems (5G). At the same time as the Rugby World Cup 2019™ held in Japan this fall, NTT DOCOMO launched a 5G pre-commercial service, and such 5G services are expected to be applied in various scenarios. We asked Seiji Maruyama, Senior Executive Vice President, NTT DOCOMO, about NTT DOCOMO's endeavor to collaboratively create new value through contributions to industry, solutions to social issues, and expansion of its business.



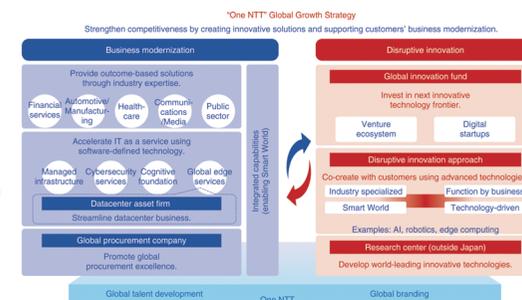
Feature Articles

Establishment of NTT Research, Inc. toward the Strengthening and Globalization of Research and Development

NTT Research, Inc. Launched to Strengthen and Globalize R&D

▼Abstract

A plan to establish a new company, NTT Research, Inc., was announced in November 2018 as part of NTT Group's Your Value Partner 2025 medium-term management strategy. NTT Research will conduct basic research to lay the groundwork for new technologies with the aim of creating new business in five to ten years. The first three fields of basic research to be tackled—quantum physics, mathematical information theory, and medical informatics—form the basis of NTT's IOWN (Innovative Optical and Wireless Network) initiative announced in May 2019. NTT Research aims to *Upgrade Reality*—we intend to bring an even greater transformation (Upgrade) of the real world (Reality).



Regular Articles

Data-coding Approaches for Organizing Omni-ambient Data

▼Abstract

Various information sensors are currently deployed to generate data such as images, video, audio, and temperature. The amount of such multi-modal data is rapidly increasing compared to the development of information and communication technology (such as storage, transmission, and processing technology). This means a considerable amount of important Internet-of-Things data has to be abandoned since such data cannot be stored, transmitted, or processed. In this article, I describe our approaches for fully using the huge amount of multi-modal data.

