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View from the Top

Akira Shirahase, Senior Vice President, Executive Manager of Technology and Innovation Department, NTT WEST

▼ Abstract

NTT WEST continues to take on challenges together with its stakeholders to create an exciting future by using information and communication technology. The company has redefined the "NTT WEST Spirit" and designated the company purpose in pursuit of a future in which all people are happy and prosperous. We interviewed Akira Shirahase, senior vice president and executive manager of the Technology and Innovation Department, NTT WEST, about his technology strategy and his mindset as a top executive.



Front-line Researchers

Yoshitaka Taniyasu, Senior Distinguished Researcher, NTT Basic Research Laboratories

▼ Abstract

Green innovation involves creating new solutions to environmental problems and sustainable development, and research and development of innovative technologies in the fields of the environment, resources, and energy is being conducted worldwide to create a low-carbon and circular society. We interviewed Yoshitaka Taniyasu, a senior distinguished researcher at NTT Basic Research Laboratories, who has produced world-class research results concerning functional materials for green innovation, about his achievements and attitude as a researcher.



Feature Articles

Non-terrestrial Networks for Extreme Coverage Extension

Underwater Acoustic Communication Technology for Wireless Remotely Operated Vehicles

▼ Abstract

Toward the 6th-generation mobile communication system, extreme coverage extension is expected to provide wireless communication services in the sky, at sea, and in space, which are regions not serviced by mobile communication systems. To achieve extreme coverage extension to the sea, NTT Network Innovation Laboratories is investigating higher-speed, longer-distance, and more stable underwater acoustic communications. In this article, we introduce our underwater acoustic communication technology and the feasibility demonstration of the world's first fully wireless remotely operated vehicle applying this technology.

