We use environment information from optical fiber network

Abstract

We present a concept for utilizing fiber cables as sensors that acquire environmental information of optical cables, and utilizing it in various industries. We aim to contribute to solving various social issues by measuring the state of vibration applied to optical fibers using high-accuracy optical measurement technology and converting it into environmental information for optical cables.

Features

Aiming to solve various social issues by utilizing optical fiber as sensors spread throughout society

Application Scenarios

Utilizing optical fiber not only for communications but also for various industries to solve social issue

Roadmaps

We will study high-sensitivity optical measurement technology to capture minute changes that were not visible in the past and acquire data that leads to environmental information.

Exhibitors

NIPPON TELEGRAPH AND TELEPHONE CORPORATION

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