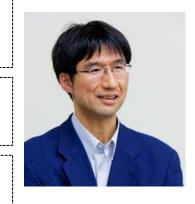
Development of the crisis navigator for individuals

Realization of safe and secure operation of energy transport infrastructure with multi-view imaging

Project Leader: Yukio KAWANO

Associate Professor, Tokyo Institute of Technology

R&D Team: Tohoku University



Summary:

For stable supply of energy, it is necessary to efficiently and accurately maintain energy transport infrastructure, such as power lines and gas pipes. For example, an appearance inspection of the power lines with a telescope or a helicopter is currently being conducted, but this type of inspection does not show internal damage (disconnection, corrosion, etc.).

This research is aimed at developing a noncontact and noninvasive inspection technology based on multi-view terahertz imaging. This inspection technology will make it possible to visualize the internal damage from the outside of the cable covering in real time without stopping the supply of electricity, gas, etc., contributing to the stable supply of energy.

課題を実現する シーズ技術

世界初、フレキシブル THzカメラの開発



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