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## View from the Top

### Hiroshi Tanabe, Senior Executive Vice President and Senior Executive Manager of Digital Transformation Headquarters, NTT EAST

#### ▼Overview

In today's society, in which technological innovation and market changes are accelerating, NTT EAST is committed to solving problems of local communities while valuing the ties that it has cultivated with those communities over the more than 100 years in the telephone business. We interviewed Hiroshi Tanabe, senior executive vice president of NTT EAST, about his thought on the use of technology to solve social problems and why he has been focusing on helping front-line employees shine.



## Front-line Researchers

### Masaaki Nagata, Senior Distinguished Researcher, NTT Communication Science Laboratories

#### ▼Overview

Research on machine translation using neural networks has made rapid progress, and the accuracy of machine translation has improved considerably. Although websites and smartphone apps providing machine translation have become more popular, issues with accuracy remain. We interviewed Masaaki Nagata, senior distinguished researcher at NTT Communication Science Laboratories, who is researching context- and situation-based neural machine translation, about the progress of his research and what it means to be a researcher.



## Feature Articles

### Challenges of NTT Space Environment and Energy Laboratories toward Ultra-resilient Smart Cities

### Research and Development on Technologies for Transforming the Global Environment from a Space Perspective

#### ▼Abstract

NTT Space Environment and Energy Laboratories was established in July 2020 to develop innovative technologies for regenerating the global environment and achieving a sustainable and inclusive society. We are the first NTT laboratories with "space" in our name, but our purpose is not to conduct research on space itself. Rather, we study the Earth from the perspective of the space environment, including the Sun, and take on challenging studies with the aim of transforming the future of the global environment from dynamic viewpoints.

