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Kazuhiro Gomi, President and CEO, NTT Research, Inc.

▼Overview

NTT Research, Inc. was established in Palo Alto, California—in the heart of Silicon Valley, USA—in April 2019. It comprises three laboratories, 1) Quantum science and computing, 2) Medical and health informatics, and 3) Cryptography and information security. The goal is to build a new human-resource ecosystem in the areas of advanced basic research that can fundamentally change the way we live and the way we work. At the opening event held in July 2019, substantial encouragement and support were evident among the many notable guests from academia and the business worlds. Kazuhiro Gomi, President and Chief Executive Officer of NTT Research, Inc., a leader who thoroughly understands the importance of human networks, was asked what the prospects are for NTT Research, Inc.



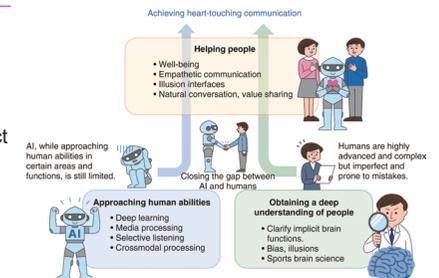
Feature Articles

Communication Science for Achieving Coexistence and Co-creation between Humans and AI

Processing Like People, Understanding People, Helping People—Toward a Future Where Humans and AI Will Coexist and Co-create

▼Abstract

Artificial intelligence (AI) has been making remarkable progress in recent years and has even been approaching the level of human performance for certain functions, but it still has its limitations. In contrast, human beings are highly advanced and complex, which is why they are also imperfect and prone to mistakes as reflected by their vulnerability to bias and illusions. This article introduces NTT initiatives in communication science to bring AI technology closer to a human level and to develop an even deeper understanding of human beings with the aim of closing the gap between AI and humans and achieving AI that can help people.



Regular Articles

Noninvasive Glucose Measurement Using Electromagnetic Waves: Photoacoustic Spectroscopy and Dielectric Spectroscopy

▼Abstract

Noninvasive glucose measurement without needle pricking is anticipated as a novel medical and healthcare application. We introduce here our research on the use of near-infrared photoacoustic spectroscopy and microwave dielectric spectroscopy for noninvasive glucose measurement using electromagnetic waves. We also present our recent work involving *in vivo* measurement. Both measurement techniques are based on optical and wireless components and system integration, which have been investigated in telecommunication system development at NTT.

