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## 3-D Geologic Modeling of Subsurface Structure in Kanto Plain using Seismic Profiling and Drilling Data

Shinsuke Okada<sup>1\*</sup>, Katsumi Kimura<sup>1</sup>

<sup>1</sup>GSJ-AIST

The Kanto plain is located at the southern-most of the northeast Japan arc and is the biggest plain in Japan. This plain has experienced a lot of structural deformations, such as strong extensional deformations in conjunction with Japan Sea opening in Miocene time, contractive deformations that is related to the Izu-Bonin arc collision, and contractive deformations under the compressional stress field since Pliocene time.

To understand these complexities of tectonic evolution, 3-D geologic structure is required to be imaged. In this presentation, we will show the 3-D subsurface structural geology of Kanto plain with the use of seismic reflection data, deep drilling lithologic data, and surface geologic data, which were obtained by prefectures and institutions.

Keywords: 3-D geologic modeling, subsurface structure, seismic profiling, Kanto plain