

Yuki Suzuki

yuki.s.3317@gmail.com

Department of Earth and Planetary Sciences,
Graduate School of Science, Tokyo Institute of Technology

Contact address:

Ishikawadai 2, 2-12-1, Ookayama, Meguro-ku, Tokyo, 152-8550, Japan

Tel:

(+81)3-5734-2616

EDUCATION

2017/04–2020/03	The University of Tokyo (PhD, Geophysics)
2015/03–2017/03	The University of Tokyo (PhD, Geophysics)
2011/04–2015/03	Tokyo University of Science (BSc, Physics)

EXPERIENCE

2020/04–2020/09	Postdoc, The University of Tokyo
2020/10–	Postdoc, Tokyo Institute of Technology

RESEARCH INTERESTS

Seismic structure of the Earth's deep interior and its geodynamical origin
Seismic anisotropy of the lowermost mantle and its origin
Geodynamics of the Earth's deep interior

SKILLS

Proficient in numerical modeling with Java (advanced), Fortran (intermediate), C/C++ (basic), Python (basic), Julia (basic), and CUDA (beginning)
Basic use of open-source software (SPECFEM3D_GLOBE and ASPECT)
Attended deployment of broadband seismometers (STS2, CMG-3T) in Thailand
Basic use of supercomputer (Initiative on Promotion of Supercomputing for Young or Women Researchers, Information Technology Center, The University of Tokyo)

GRANTS AND AWARDS

2017/03–2020/03	Leading Graduate Course fellowship for Frontiers of Mathematical Sciences and Physics
2017/01	Outstanding Student Poster Presentation Award of the winter school organized by the Japanese MEXT Grant-in-Aid for Scientific Research on Innovative Areas “Interaction

PUBLICATIONS

- Ohtaki, T., Tanaka, S., Kaneshima, S., Siripunvaraporn, W., Boonchaisuk, S., Noisagool, S., Kawai, K., Kim, T., **Suzuki, Y.**, Ishihara, Y., Miyakawa, K., Takeuchi, N., Seismic velocity structure of the upper inner core in the north polar region, *Physics of the Earth and Planetary Interiors*, **311**, 106636, 2021.
- Suzuki, Y.**, Kawai, K., Geller, R. J., Tanaka, S., Siripunvaraporn, W., Boonchaisuk, S., Noisagool, S., Ishihara, Y., Kim, T., High-resolution 3-D S-velocity structure in the D" region at the western margin of the Pacific LLSVP: Evidence for small-scale plumes and paleoslabs, *Physics of the Earth and Planetary Interiors*, **307**, 106544, 2020.
- Tanaka, S., Siripunvaraporn, W., Boonchaisuk, S., Noisagool, S., Kim, T., Kawai, K., **Suzuki, Y.**, Ishihara, Y., Iritani, R., Miyakawa, K., Takeuchi, N., Kawakatsu, K., Thai Seismic Array (TSAR) Project, *Bulletin of the Earthquake Research Institute*, **94**, 1-11, 2019.
- Suzuki, Y.**, Kawai, K., Geller, R. J., Borgeaud, A.F.E., Konishi, K., Waveform inversion for 3-D S-velocity structure of D" beneath the Northern Pacific: possible evidence for a remnant slab and a passive plume, *Earth Planet and Space*, **68**, 198, 2016.
-

PRESENTATIONS (International conference or international session; * is invited talk)

- ***Suzuki, Y.**, Kawai, K., Geller, R. J., Tanaka, S., Siripunvaraporn, W., Boonchaisuk, S., Noisagool, S., Ishihara, Y., Kim, T., Inversion of body-wave waveforms to infer high-resolution 3-D S-velocity structure in the D" region at the western margin of the Pacific LLSVP: Evidence for small-scale plumes and paleoslabs, AGU Fall Meeting, Online, 2020.
- Suzuki, Y.**, Kawai, K., Geller, R.J., Waveform inversion for 3D anisotropic structure in D" beneath the Northern Pacific: Constraints on mineralogy and flow in the lowermost mantle, JpGU meeting, Makuhari, May 2019.
- Suzuki, Y.**, Kawai, K., Geller, R.J., Konishi, K., Waveform tomography for 3-D shear velocity structure in the lowermost mantle beneath the Northern Pacific, JpGU meeting, Makuhari, May 2018.
- Suzuki Y.**, Kawai K., Geller R.J., Tanaka S., Siripunvaraporn W., Boonchaisuku, S., Sutthipong, N., Ishihara Y., Kin T., Miyakawa K., Takeuchi N., Full-Waveform Inversion for Localized 3-D Shear Velocity Structure in D" Beneath the Western Pacific Using Thai Seismic Array (TSAR) Data, AOGS 15th Annual Meeting, Honolulu, June 2018.
- Suzuki Y.**, Kawai K., Geller R.J., Borgeaud A.F.E., Konishi K., 3-D S-velocity structure in the lowermost mantle beneath the Northern Pacific, AGU Fall Meeting, New Orleans, December, 2017.
- Geller R.J., Borgeaud A.F.E., **Suzuki Y.**, Kawai K., Konishi K., Recent results of waveform inversion for localized 3-D shear wave velocity structure of D", AOGS 13th Annual Meeting, Beijing, August, 2016.
- Kawai K., Konishi K., Borgeaud A.F.E., **Suzuki Y.**, Geller R.J., Waveform Inversion for 3D Shear Wave Velocity Structure in the Lowermost Mantle, Goldschmidt meeting, Yokohama, June, 2016.

Suzuki, Y., Kawai, K., Geller, R.J., Konishi, K., Waveform inversion for 3-D shear wave velocity structure within D'' beneath the Northern Pacific and Alaska, JpGU meeting, Makuhari, May 2016.