

CURRICULUM VITAE

Yosuke Aoki

Earthquake Research Institute, University of Tokyo
1-1 Yayoi 1, Bunkyo-ku, Tokyo 113-0032, Japan
Phone: +81-3-5841-8283 Fax: +81-3-3812-6979
Email: yaoki@eri.u-tokyo.ac.jp
<http://www.eri.u-tokyo.ac.jp/yaoki/>

BIRTH: 1 December, 1973, Yokohama, Japan; Male

NATIONALITY: Japanese citizen

MARITAL STATUS: Married, three children

PRESENT POSITION: Assistant Professor

EDUCATION:

University of Tokyo (Ph.D., 2001; M.S., 1998; B.S., 1996, in Geophysics)

RESEARCH APPOINTMENTS:

Earthquake Research Institute, University of Tokyo

2007–present: Assistant Professor

2003–2007: Research Associate

2001: Center of Excellence Postdoctoral Fellow

1996–2001: Graduate student (Department of Earth and Planetary Physics)

King Abdullah University of Science and Technology, Saudi Arabia

2011: Visiting Research Scientist

Observatoire Volcanologique du Piton de La Fournaise, Institut de Physique du Globe de Paris

2008, 2011: Visiting Researcher

Lamont-Doherty Earth Observatory of Columbia University

2003: Postdoctoral Research Scientist

2001–2003: Lamont Postdoctoral Fellow

Department of Geophysics, Stanford University

1997–1999: Visiting Researcher

TEACHING EXPERIENCE:

Department of Earth and Planetary Science, University of Tokyo

2004–present: Volcano physics seminar

2009–2010 (Spring): Active Tectonics

Graduate University of Chinese Academy of Sciences, Beijing, China

2011 Summer: Structure and Dynamics of the Global Earth and East Asia

College of Land, Transport, and Infrastructure, Tokyo, Japan

2007–present (Spring): Volcanology

2004–2010 (Spring): Mechanics of Earth's deformation

2004 Fall: Geodynamics

STUDENTS ADVISED:

Kayako Hori (Ibaraki University, M.S. 2015 (expected) with Teruyuki Kato and Kaoru Miyashita)
Komei Masuda (M.S., 2015 (expected) with Minoru Takeo)
Sawako Kinoshita (M.S., 2009, Ph.D., 2015 (expected) with Minoru Takeo)
Yutaka Nagaoka (M.S., 2011 with Minoru Takeo, now at Japan Meteorological Agency)

PH.D. THESIS EXTERNAL COMMITTEES:

Adriano Nobile (2013, Università Roma Tre)
Daniel Clarke (2011, Institut de Physique du Globe de Paris)
Yanick Behr (2011, Victoria University of Wellington)

AFFILIATED SOCIETIES:

American Geophysical Union (since 1998)
Seismological Society of America (since 2002)
European Geosciences Union (since 2011)
The Institute of Electrical and Electronics Engineers, Inc. (since 2013)
Japan Geoscience Union (since 2009)
Seismological Society of Japan (since 1996)
Geodetic Society of Japan (since 1996)
Volcanological Society of Japan (since 2004)

AWARDS:

2013: Excellent Reviewer, *Earth Planets and Space*
2001–2003: Lamont Postdoctoral fellowship, Lamont-Doherty Earth Observatory of Columbia University
2001: Center of Excellence postdoctoral fellowship, Earthquake Research Institute, University of Tokyo
1998-1999: Short-term studying abroad scholarship, Ministry of Education, Science, Sports, and Culture, Japan
1996-2001: First-class fellow, Japan Scholarship Foundation

UNIVERSITY SERVICE

Earthquake Research Institute, University of Tokyo
2009–present: Member, Library Committee
2011–2012: Member, Public Outreach Office
2004–2011: Associate Editor, *Bulletin of the Earthquake Research Institute, University of Tokyo*
2004–2009: Member, Office Automation Committee
2004–2007: Member, Colloquium Committee

PROFESSIONAL ACTIVITIES

Earth Planets and Space
2015–present: Editor
Journal of Geophysical Research Solid Earth
2013–2015: Guest Editor, Special Section “Stress, strain and mass changes at volcanoes”
American Geophysical Union Fall Meeting
2013: Lead convener, Stress, strain and mass changes at volcanoes: using geodesy and seis-

mology to interpret volcanic unrest
2013: Co-convener, Geohazard Supersites and Natural Laboratories
2011: Co-convener, Magma transport through dykes and sills: insights into volcanic unrest and eruption processes
2011: Co-convener, Geophysical observations of stress-strain changes at active volcanoes
International Association of Volcanology and Chemistry of the Earth's Interior 2013 Scientific Assembly
Co-convener, Stress, strain, and mass changes at active volcanoes
Co-convener, Evolution of eruptive craters, vents and conduits from feeding dikes, sills, and magma chambers
AOGS-AGU (WPGM) Joint Assembly
2012: Co-convener, Magma transport through dikes, sills and conduits: Insights from modelling and field measurements
Japan Geoscience Union
2007–present: Member, Program Organization Committee, Volcanology section
2006–present: Chair convener, "Active Volcanism"
Japan Earth and Planetary Science Joint Meeting Organization
2005: Co-convener, Active Volcanism
Geodetic Society of Japan
2010–2012, 2013–2015: Member, Board of Trustees
2009–2012: Associate Editor, *Journal of the Geodetic Society of Japan*
Seismological Society of Japan
2009–2011: Associate Editor, *Journal of the Seismological Society of Japan*
Volcanological Society of Japan
2004–present: Member, Program Organization Committee
2010–2014: Associate Editor, *Bulletin of the Volcanological Society of Japan*
The Headquarters for Earthquake Promotion Research of Japan
2010–2012: Expert Panel member, Satellite Data Analysis Committee

INVITED TALKS

UTokyo Academic Forum, Tokyo (2014)
UTokyo Forum, Santiago, Chile (2013)
East-Asia Earthquake Seminar, Chanbaishan, China (2013)
IEEE International Geoscience and Remote Sensing Symposium (IGARSS 2013) (2013)
European Geosciences Union General Assembly (2013)
Victoria University of Wellington (2013)
GNS Science (2013)
Institute of Technology Bandung (2012)
Institut des Sciences de la Terre, Université Joseph Fourier (2012)
King Abdullah University of Science and Technology (2011)
Earth Observatory of Singapore (2011)
University of Hamburg (2011)
Todai Forum 2011, Paris (2011)
Università Roma Tre (2011)
China Earthquake Administration (2011)
International Workshop on Modern Computational Geoscience Frontiers, Beijing, China (2011)

American Geophysical Union Fall Meeting (2009, 2010)
Tsukuba Volcanology Seminar (2009)
Asian International Symposium on Modeling of Volcanic Eruption for Volcanic Hazard Assessment, Bandung, Indonesia (2008)
University of California Riverside (2007)
Oregon State University (2006)
Kyoto University (2005)
Pennsylvania State University (2005)
Rensselaer Polytechnic Institute (2003)
California Institute of Technology (2003)
Southern California Integrated GPS Network (SCIGN) annual meeting (1999)

RESEARCH INTERESTS:

Space geodesy (GPS and SAR in particular)
Volcano monitoring with (mainly) seismic and geodetic methods
Seismic structure beneath active volcanoes
Seismic interferometry
Triggering of earthquakes
Mechanics of magma transport
Geophysical inverse theory

LIST OF JOURNALS AND ORGANIZATIONS SERVED AS A REFEREE:

Bulletin of Volcanological Society of Japan
Earth Planets and Space
Earth and Planetary Science Letters
Frontiers in Earth Science
Geophysical Journal International
International Journal of Geographical Information Science
Japan Aerospace Exploration Agency
Journal of Geological Society of Japan
Journal of Geophysical Research
Journal of Geodetic Society of Japan
Journal of Seismological Society of Japan
Journal of Volcanology and Geothermal Research
Netherlands Organization for Scientific Research
New Zealand Journal of Geology and Geophysics
U.S. National Science Foundation
Science
Springer
Terra Nova

LIST OF REFEREED PUBLICATIONS:

Takagi, R., K. Nishida, **Y. Aoki**, T. Maeda, K. Masuda, M. Takeo, K. Obara, K. Shiomi, M. Sato, and K. Saito, A single bit matters: Coherent noise of seismic data loggers, *Seismological Research Letters*, submitted.
Andreas, H., H. Abidin, T. Sidiq, I. Gumilar, **Y. Aoki**, and P. Sumintadireja, Understanding the

- trigger of LUSI System from ground deformation signatures, *Geological Society London Special Publications*, submitted.
- Kazahaya, R., **Y. Aoki**, and H. Shinohara, Budget of shallow magma plumbing system at Asama volcano, Japan, revealed by ground deformation and volcanic gas studies, *Journal of Geophysical Research Solid Earth*, submitted.
- Araragi, K. R., M. K. Savage, T. Ohminato, and **Y. Aoki**, Seismic anisotropy of the upper crust around Mt. Fuji, Japan, *Journal of Geophysical Research Solid Earth*, submitted.
- Kinoshita, S. M., T. Igarashi, **Y. Aoki**, and M. Takeo, Imaging crust and upper mantle beneath Mt. Fuji, Japan by Receiver Functions, *Journal of Geophysical Research*, submitted.
- Passarelli, L., E. Rivalta, S. Cesca, and **Y. Aoki**, A statistical analysis of the focal mechanisms for the earthquakes induced by the 2000 dike intrusion at Miyakejima, *Journal of Geophysical Research Solid Earth*, submitted.
- (31). Nakamichi, H. **Y. Aoki**, M. Ichihara, H. Itoh, H. Ueda, T. Ohminato, I. Sato, S. Sugimoto, Y. Suzuki, S. Takarada, K. Toshida, A. Namiki, F. Maeno, T. Matsushima, K. Mannen, M. Yoshimoto, T. Yamada, and M. Iguchi, Report of Cities on Volcanoes 8 conference in Yogyakarta, Indonesia, *Bulletin of the Volcanological Society of Japan*, in press. (in Japanese with English abstract and figure captions).
30. Brenguier, F., M. Campillo, T. Takeda, **Y. Aoki**, N. M. Shapiro, X. Briand, K. Emoto, and H. Miyake (2014), Mapping pressurized volcanic fluids from induced crustal seismic velocity drops, *Science*, **345**, 80–82, doi:10.1126/science.1254073.
29. Shelley, A., M. Savage, C. Williams, **Y. Aoki**, and B. Gurevich (2014), Modeling shear wave splitting due to stress-induced anisotropy with an application to Mount Asama Volcano, Japan, *Journal of Geophysical Research Solid Earth*, **119**, 4269–4286, doi:10.1002/2013JB010817.
28. **Aoki, Y.**, and T. P. Sidiq (2014), Ground deformation associated with the eruption of Lumpur Sidoarjo mud volcano, east Java, Indonesia, *Journal of Volcanology and Geothermal Research*, **278–279**, 96–102, doi:10.1016/j.jvolgeores.2014.04.012.
27. **Aoki, Y.**, M. Takeo, T. Ohminato, Y. Nagaoka, and K. Nishida (2013), Structural controls on magma pathways beneath Asama Volcano, Japan, *Geological Society London Special Publications*, **380**, 67–84, doi:10.1144/SP380.6.
26. Chaussard, E., F. Amelung, and **Y. Aoki** (2013), Characterization of open and closed volcanic systems in Indonesia and Mexico using InSAR time-series, *Journal of Geophysical Research Solid Earth*, **118**, 3957–3969, doi:10.1002/jgrb.50288.
25. Fukuda, J., A. Kato, N. Kato, and **Y. Aoki** (2013), Are the frictional properties of creeping faults persistent? Evidence from rapid Tohoku-oki afterslip, *Geophysical Research Letters*, **40**, 3613–3617, doi:10.1002/grl.50713.
24. Yokota, Y., Y. Kawazoe, S. Yun, S. Oki, **Y. Aoki**, and K. Koketsu (2012), The 2010 Yushu, China, earthquake and tectonic activity in the eastern Tibetan plateau, *Earth Planets and Space*, **64**, 1047–1051, doi:10.5047/eps.2012.04.008.
23. Nagaoka, Y., K. Nishida, **Y. Aoki***, M. Takeo, and T. Ohminato (2012), Seismic imaging of magma chamber beneath an active volcano, *Earth and Planetary Science Letters*, **333–334**, 1–8, doi:10.1016/j.epsl.2012.03.034. (*: Corresponding author)
22. Kaneko, T., T. Ohminato, T. Koyama, M. Takeo, A. Watanabe, T. Shimano, T. Yanagisawa, **Y. Aoki**, A. Yasuda, and Y. Honda (2011), The summit crater of Mt Shinmoe and the adjacent areas, taken from Unmanned Autonomous Helicopter, *Bulletin of the Volcanological Society of Japan*, **56**, 171–173. (in Japanese with English abstract and figure captions).
21. Brenguier, F., D. Clarke, **Y. Aoki**, N. M. Shapiro, M. Campillo, and V. Ferrazzini (2011),

- Monitoring volcanoes using seismic noise correlations, *Comptes Rendus Geoscience*, **343**, 633–638, doi:10.1016/j.crte.2010.12.010.
20. Tanaka, H. K. M., H. Taira, T. Uchida, M. Tanaka, M. Takeo, T. Ohminato, **Y. Aoki**, R. Nishiyama, D. Shoji, and H. Tsuji (2010), Three-dimensional computational axial tomography scan of a volcano with cosmic ray muon radiography, *Journal of Geophysical Research*, **115**, B12332, doi:10.1029/2010JB007677.
Correction, *Journal of Geophysical Research*, **116**, B03301, doi:10.1029/2011JB008256.
 19. Nagaoka, Y., K. Nishida, **Y. Aoki**, and M. Takeo (2010), Temporal change of phase velocity beneath Mt. Asama, Japan, inferred from coda wave interferometry, *Geophysical Research Letters*, **37**, L22311, doi:10.1029/2010GL045289.
 18. Furuya, M., Y. Takada, and **Y. Aoki** (2010), PALSAR InSAR observation and modeling of crustal deformation due to the 2007 Chuetsu-oki earthquake in Niigata, Japan, in *Gravity, Geoid, and Earth Observations, International Associations of Geodesy Symposia 135*, edited by S. P. Mertikas, Springer, Berlin, pp. 679–687, doi:10.1007/978-3-642-10634-7_89.
 17. Savage, M. K., T. Ohminato, **Y. Aoki**, H. Tsuji, and S. M. Greve (2010), Absolute stress and its temporal variation at Mt. Asama Volcano, Japan, from seismic anisotropy and GPS, *Earth and Planetary Science Letters*, **290**, 403–414, doi:10.1016/j.epsl.2009.12.037.
 16. **Aoki, Y.**, M. Takeo, T. Tsutsui, and Y. Morita (2009), Active source seismic experiment confirms the magma pathway of Asama Volcano, Japan, *EOS Transactions American Geophysical Union*, **90**, 482–483, doi:10.1029/2009EO500002.
 15. **Aoki, Y.**, M. Takeo, H. Aoyama, J. Fujimatsu, S. Matsumoto, H. Miyamachi, H. Nakamichi, T. Ohkura, T. Ohminato, J. Oikawa, R. Tanada, T. Tsutsui, K. Yamamoto, M. Yamamoto, T. Yamasato, and T. Yamawaki (2009), P-wave velocity structure beneath Asama Volcano, Japan, inferred from active source seismic experiment, *Journal of Volcanology and Geothermal Research*, **187**, 273–278, doi:10.1016/j.jvolgeores.2009.09.004.
 14. Tanaka, H. K. M., T. Uchida, M. Tanaka, M. Takeo, J. Oikawa, T. Ohminato, **Y. Aoki**, E. Koyama, and H. Tsuji (2009), Detecting a mass change inside a volcano by cosmic-ray muon radiography (muography): First results from measurements at Asama volcano, Japan, *Geophysical Research Letters*, **36**, L17302, doi:10.1029/2009GL039448.
 13. **Aoki, Y.**, and C. H. Scholz (2009), Imaging interseismic locking at the Nankai subduction zone, southwest Japan, in *Subduction Zone Geodynamics*, edited by S. Lallemand and F. Funiciello, Springer, Berlin, pp. 159–171, doi:10.1007/978-3-540-87974-9_9.
 12. **Aoki, Y.**, M. Furuya, and T. Kato (2008), Coseismic deformation due to the 2007 Chuetsu-oki earthquake ($M_w=6.8$), *Earth Planets and Space*, **60**, 1075–1080.
 11. Tanaka, H. K. M., T. Nakano, S. Takahashi, J. Yoshida, M. Takeo, J. Oikawa, T. Ohminato, **Y. Aoki**, E. Koyama, H. Tsuji, H. Ohshima, T. Maekawa, H. Watanabe, and K. Niwa (2008), Radiographic imaging below a volcanic crater floor with cosmic-ray muons, *American Journal of Science*, **308**, 843–850, doi:10.2475/07.2008.02.
 10. Tanaka, H. K. M., T. Nakano, S. Takahashi, J. Yoshida, M. Takeo, J. Oikawa, T. Ohminato, **Y. Aoki**, E. Koyama, H. Tsuji and K. Niwa (2007), High resolution imaging in the inhomogeneous crust with cosmic-ray muon radiography: The density structure below the volcanic crater floor of Mt. Asama, Japan, *Earth and Planetary Science Letters*, **263**, 104–113, doi:10.1016/j.epsl.2007.09.001.
 9. Kaneko, T., K. Takasaki, A. Yasuda, and **Y. Aoki** (2006), Thermal surveillance of the Asama 2004–2005 activity using MODIS nighttime infrared images, *Bulletin of the Volcanological Society of Japan*, **51**, 273–282. (in Japanese with English abstract and figure captions)

8. Takeo, M., **Y. Aoki**, T. Ohminato, and M. Yamamoto (2006), Magma supply path beneath Mt. Asama volcano, Japan, *Geophysical Research Letters*, **33**, L15310, doi:10.1029/2006GL026247.
7. **Aoki, Y.**, H. Watanabe, E. Koyama, J. Oikawa, and Y. Morita (2005), Ground deformation associated with the 2004–2005 unrest of Asama Volcano, Japan, *Bulletin of the Volcanological Society of Japan*, **50**, 575–584. (in Japanese with English abstract and figure captions)
6. Yamamoto, M., M. Takeo, T. Ohminato, J. Oikawa, **Y. Aoki**, H. Ueda, S. Nakamura, H. Tsuji, E. Koyama, N. Osada, and T. Urabe (2005), A unique earthquake activity preceding the eruption at Asama Volcano in 2004, *Bulletin of the Volcanological Society of Japan*, **50**, 393–400. (in Japanese with English abstract and figure captions)
5. Xie, J., R. Gok, J. Ni, and **Y. Aoki** (2004), Lateral variations of crustal seismic attenuation along the INDEPTH profiles in Tibet from Lg Q inversion, *Journal of Geophysical Research*, **109**, B10308, doi:10.1029/2004JB002998.
4. **Aoki, Y.**, and C. H. Scholz (2003), Interseismic deformation at the Nankai subduction zone and the Median Tectonic Line, southwest Japan, *Journal of Geophysical Research*, **108**(B10), 2470, doi:10.1029/2003JB002441.
3. **Aoki, Y.**, and C. H. Scholz (2003), Vertical deformation of the Japanese islands, 1996–1999, *Journal of Geophysical Research*, **108**(B5), 2257, doi:10.1029/2002JB002129.
2. Cervelli, P., M. H. Murray, P. Segall, **Y. Aoki**, and T. Kato (2001), Estimating source parameters from deformation data, with an application to the March 1997 earthquake swarm off the Izu Peninsula, Japan, *Journal of Geophysical Research*, **106**, 11,217–11,237, doi:10.1029/2000JB900399.
1. **Aoki, Y.**, P. Segall, T. Kato, P. Cervelli, and S. Shimada (1999), Imaging magma transport during the 1997 seismic swarm off the Izu Peninsula, Japan, *Science*, **286**, 927–930, doi:10.1126/science.286.5441.927.

LIST OF OTHER PUBLICATIONS:

17. **Aoki, Y.** (2013), Japan natural laboratory: Significance of integrating various geophysical datasets, *Proceeding of 2013 IEEE International Geoscience and Remote Sensing Symposium*, MO3.T12.3.
16. **Aoki, Y.** (2012), Science of the 2011 Tohoku-oki earthquake, in *The Great East Japan Earthquake: A scholarly chorus dedicated to recovery*, pp. 18–27. (in Japanese)
15. **Aoki, Y.** and E. K. Montgomery-Brown (2011), Subsidence of the collapsed caldera of Miyakejima, 2006–2011, *Proceedings FRINGE 2011 Workshop*, SP-697.
14. Iguchi, M., and 82 others (**Y. Aoki** is the 25 th author) (2009), The 2008 Project of Artificial Explosion Experiment at Sakurajima Volcano, *Annals of Disaster Prevention Research Institute, Kyoto University*, **52B**, 293–307. (in Japanese with English abstract and figure captions)
13. Takeo, M., **Y. Aoki**, T. Ohminato, T. Urabe, J. Oikawa, H. Tsuji, E. Koyama, N. Osada, H. Oshima, H. Aoyama, T. Maekawa, A. Suzuki, S. Tanaka, Y. Ishihara, M. Yamamoto, M. Yamada, T. Okura, H. Inoue, M. Iguchi, K. Tamekuri, K. Uehira, M. Nakamoto, and S. Hirano (2009), Japanese university joint dense seismic observation on and around Mt. Asama Volcano (July 2005–July 2007), *Bulletin of the Earthquake Research Institute, University of Tokyo*, **84**, 1–37. (in Japanese with English abstract and figure captions)
12. Ohminato, T., **Y. Aoki**, M. Ohwada, S. Okumura, C. Kusuda, T. Koyama, T. Saito, S. Takarada, F. Maeno, N. Matsushima, D. Miura, and S. Miyabayashi (2008), Report of IAVCEI 2008 General Assembly in Reykjavík, Iceland, *Bulletin of the Volcanological Society of Japan*, **53**, 223–231. (in Japanese with English abstract and figure captions)

11. **Aoki, Y.** (2008), Magma intrusion and volcanic activity of Asama Volcano, Japan, *Earth Monthly*, **S60**, 38–44. (in Japanese)
10. **Aoki, Y.**, and 59 others (2008), Active source seismic experiment in Asama Volcano, Japan: The outline of the experiment and first arrival times, *Bulletin of the Earthquake Research Institute, University of Tokyo*, **83**, 1–26. (in Japanese with English abstract and figure captions)
9. Watanabe, H., and 28 others (**Y. Aoki** is the 6 th author) (2007), Japanese University Joint Dense Seismic Observation on and around Fuji volcano (September 2002–April 2005), *Bulletin of the Earthquake Research Institute, University of Tokyo*, **82**, 195–207. (in Japanese with English abstract and figure captions)
8. **Aoki, Y.** (2007), Subsurface structure of Mt. Fuji, Japan, *National Science Museum News*, **464**, 12–13. (in Japanese)
7. **Aoki, Y.**, and T. Kagiya (2006), Crustal deformation and volcanism of the Kyushu islands, southwest Japan, *Earth Monthly*, **28**, 98–102. (in Japanese)
6. Tsuji, H., E. Koyama, M. Takeo, **Y. Aoki**, and T. Urabe (2006), Establishing a temporary seismic network in and around Mt. Asama, Japan, *Technical Research Report, Earthquake Research Institute, University of Tokyo*, **12**, 41–45. (in Japanese with English abstract and figure captions)
5. **Aoki, Y.** (2006), Book review on “Volcanic earthquakes and tremors of Japan” by T. Nishimura and M. Iguchi, *Seismological Society of Japan News Letter*, **18**(1), 17–18. (In Japanese)
4. Iguchi, M., and 40 others (**Y. Aoki** is the 7 th author) (2005), Seismic exploration using active sources at Kuchinoerabujima volcano, southwest Japan, *Bulletin of the Earthquake Research Institute, University of Tokyo*, **80**, 11–40. (in Japanese with English abstract and figure captions)
3. Iguchi, M., and 40 others (**Y. Aoki** is the 7 th author) (2005), Seismic exploration by using active sources at Kuchinoerabujima volcano, southwest Japan, *Annals of Disaster Prevention Research Institute, Kyoto University*, **48B**, 297–322. (in Japanese with English abstract and figure captions)
2. Xie, J., R. Gok, J. Ni, and **Y. Aoki** (2002), Lateral variation of Lg Q in the Tibetan plateau, *Proceedings of the 24th Seismic Research Review*, 219–228.
1. Miyashita, K., K. Vijaykumar, T. Kato, **Y. Aoki**, and C. D. Reddy (2001), Postseismic crustal deformation deduced from GPS observations, in *A comprehensive survey of the 26 January 2001 earthquake (Mw 7.7) in the State of Gujarat, India*, Japanese Ministry of Education, Culture, Sports, Science, and Technology, pp. 46–50.

LIST OF ABSTRACTS, 2013–PRESENT:

162. Passarelli, L., E. Rivalta, S. Cesca, and **Y. Aoki** (2014), Linking the dynamics of the 2000 dike intrusion at Miyakejima to the focal mechanisms and the statistics of the induced seismicity, *American Geophysical Union Fall Meeting*, Abstract V41D-02.
161. Savage, M., and **Y. Aoki** (2014), Stress, anisotropy and strain rate in Kyushu, Japan, from earthquakes and GPS: Tectonic implications, *American Geophysical Union Fall Meeting*, Abstract S23E-02.
160. Taisne, B., **Y. Aoki**, and C. Caudron (2014), Recent developments and applications of a real-time tool to detect magma migration in different volcanic settings and network optimization, *American Geophysical Union Fall Meeting*, Abstract S22C-08.
159. Brenguier, F., M. Campillo, N. Shapiro, D. Rivet, T. Takeda, **Y. Aoki**, and A. Lecointe (2014), 4-D Noise-Based Seismology at Volcanoes: Ongoing Efforts and Perspectives, *American Geophysical Union Fall Meeting*, Abstract S22C-06.

158. Yun, S., K. Koketsu, and **Y. Aoki** (2014), Rupture processes of the 2010 Canterbury earthquake and the 2011 Christchurch earthquake inferred from InSAR, strong motion and teleseismic datasets, *American Geophysical Union Fall Meeting*, Abstract S21B-4436.
157. Araragi, K. M. Savage, T. Ohminato, and **Y. Aoki** (2014), Forward modeling of stress fields around Mt. Fuji and its implication for seismic anisotropy, *American Geophysical Union Fall Meeting*, Abstract S22E-4378.
156. Yun, S., K. Koketsu, and **Y. Aoki** (2014), Rupture processes of the 2010 Darfield earthquake and the 2011 Christchurch earthquake inferred from InSAR, teleseismic and strong motion data, *Seismological Society of Japan Fall Meeting*, Abstract S15-P23.
155. Hori, K., **Y. Aoki**, T. Kato, and K. Miyashita (2014), Post-seismic crustal movements of the 11 April Mw6.6 Fukushima Hamadori earthquake based on GPS observations *Seismological Society of Japan Fall Meeting*, Abstract A11-10.
154. Nagaoka, Y., K. Nishida, . **Y. Aoki**, M. Takeo, T. Ohkura, and S. Yoshikawa (2014), Subsurface velocity structure beneath Kirishima volcanoes inferred from seismic wave interferometry, *Volcanological Society of Japan Fall Meeting*, Abstract P1-34.
153. Kinoshita, S., T. Igarashi, **Y. Aoki**, and M. Takeo (2014), Imaging crust and upper mantle beneath Mt. Fuji, Japan by Receiver Functions, *Volcanological Society of Japan Fall Meeting*, Abstract B1-04.
152. Sarsito, D., T. Sidiq, **Y. Aoki**, E. Kriswati, H. Z. Abidin (2014), Time series surface deformation of Krakatau volcano, Indonesia, observed by SAR interferometry (Dec. 2006 to Feb. 2011), *Cities on Volcanoes 8* Abstract cov8-abs-480.
151. Sidiq, T., **Y. Aoki**, T. Kato, and H. Z. Abidin (2014), Deformation of Kelud Volcano, Indonesia, Revealed by SAR Interferometry Observation *Cities on Volcanoes 8* Abstract cov8-abs-476.
150. **Aoki, Y.**, and T. P. Sidiq (2014), Ground deformation associated with the eruption of Lumpur Sidoarjo mud volcano, east Java, Indonesia, *Cities on Volcanoes 8* Abstract cov8-abs-89.
149. Savage, M. K., and **Y. Aoki** (2014), Comparison of stress, anisotropy and strain rate in Kyushu, *Asia Oceania Geosciences Society Annual Meeting*, Abstract SE31-A008.
149. Taisne, B., C. Caudron, and **Y. Aoki** (2014), SARA: A real-time tool to detect magma migration in different volcanic settings, *Asia Oceania Geosciences Society Annual Meeting*, Abstract SE22-A003.
148. **Aoki, Y.**, and T. P. Sidiq (2014), Ground deformation associated with the eruption of Lumpur Sidoarjo mud volcano, east Java, Indonesia, *Asia Oceania Geosciences Society Annual Meeting*, Abstract SE22-A002.
147. Brenguier, F., M. Campillo, X. Briand, T. Takeda, Y. Aoki, N. Shapiro, and K. Emoto (2014), Noise-based crustal seismic velocity changes associated with the 2011 Tohoku-oki Earthquake, *Seismological Research Letters*, **85**, 424.
146. Hori, K., **Y. Aoki**, T. Kato, and K. Miyashita (2014), Post-seismic crustal movements of the 11 April Mw6.6 Fukushima Hamadori earthquake based on GPS observations, *Japan Geoscience Union Meeting*, Abstract SSS33-P01.
145. Taisne, B., C. Caudron, and **Y. Aoki** (2014), Recent developments and applications of a real-time tool to detect magma migration in different volcanic settings, *Geophysical Research Abstracts*, **16**, EGU2014-10576.
144. Araragi, K., M. K. Savage, T. Ohminato, and **Y. Aoki** (2014), Stress field and seismic anisotropy around Mt. Fuji deduced from temporal consistency and spatial distribution of shear wave splitting, *Geophysical Research Abstracts*, **16**, EGU2014-9596.

143. Nobile, A., S. Pepe, J. Ruch, D. Trippanera, F. Casu, R. Castaldo, P. Tizzani, **Y. Aoki**, N. Geshi, V. Acocella, E. Sansosti, V. Siniscalchi, S. Borgstrom, and S. Zoffoli (2014), Caldera deformation in Kyushu island (SW Japan) through InSAR data, *Geophysical Research Abstracts*, **16**, EGU2014-8850-1.
142. Maccaferri, F., E. Rivalta, and **Y. Aoki** (2014), Modelling the interplay between magmatic intrusions and strike-slip faults: application to Miyakejima (Japan) and Mt. Etna (Italy), *Geophysical Research Abstracts*, **16**, EGU2014-7798.
141. Passarelli, L., E. Rivalta, Cesca, S., and **Y. Aoki** (2014), On the physical links between the dynamics of the Izu Islands 2000 dike intrusions and the statistics of the induced seismicity, *Geophysical Research Abstracts*, **16**, EGU2014-6817.
140. Araragi, K., M. K. Savage, T. Ohminato, and **Y. Aoki** (2013), Symmetrical seismic anisotropy of Mt. Fuji and its interpretations in terms of regional stress fields, *American Geophysical Union Fall Meeting*, Abstract V43D-02.
139. Kinoshita, S., M. K. Savage, and **Y. Aoki** (2013), Crustal and upper mantle structure beneath Mount Ruapehu, New Zealand, derived by Receiver Function Analysis, *American Geophysical Union Fall Meeting*, Abstract V13B-2602.
138. Taisne, B., and **Y. Aoki** (2013), From seismic network optimization to real-time diagnosis of magma migration, *American Geophysical Union Fall Meeting*, Abstract S43A-2499.
137. **Aoki, Y.** (2013), Adaptive fault discretization for the inversion of geodetic data with an application to the 2011 Tohoku-oki earthquake, *American Geophysical Union Fall Meeting*, Abstract S43A-2499.
136. Brenbuiet, F., M. Campillo, X. Briand, T. Takeda, K. Emoto, **Y. Aoki**, and N. Shapiro (2013), Noise-based crustal seismic velocity changes associated with the 2011 Tohoku-oki earthquake, *American Geophysical Union Fall Meeting*, Abstract S32A-06.
135. Savage, M. K., **Y. Aoki**, T. Ohminato, T. Ohkura, K. Umakoshi, H. Shimizu, M. Iguchi, and T. Tameguri (2013), Seismic anisotropy in Kyushu from shear wave splitting, *Seismological Society of Japan Fall Meeting*, Abstract P2-14.
134. Kaneko, T., A. Yasuda, K. Takasaki, H. Den, and **Y. Aoki** (2013), Realtime monitoring of active volcanoes in east Asia using MODIS and MTSAT data and its advancement by GCOM-C1 SGLI, *IAVCEI 2013 Scientific Assembly*, Abstract 4W_2E-P13.
133. Sidiq, T. P., and **Y. Aoki** (2013), Ground deformation associated with the eruption of Lumpur Sidoarjo mud volcano, East Java, Indonesia, *IAVCEI 2013 Scientific Assembly*, Abstract 3W_2D-P32.
132. Shelley, A. F., M. K. Savage, C. Williams, **Y. Aoki**, and B. Gurevich (2013), Three-dimensional modelling of stress-induced anisotropy with application to Mount Asama, Japan, *IAVCEI 2013 Scientific Assembly*, Abstract 3W_2A-P21.
131. Araragi, K., M. K. Savage, T. Ohminato, and **Y. Aoki** (2013), Shallow crustal stress field deduced from shear wave splitting measurements in Mt. Fuji region, *IAVCEI 2013 Scientific Assembly*, Abstract 3P2_2A-O27.
130. Kazahaya, R., H. Shinohara, **Y. Aoki**, and M. Takeo (2013), Movement of magma at depths within Mt. Asama, Japan, revealed by ground deformation and volcanic gas studies, *IAVCEI 2013 Scientific Assembly*, Abstract 1W_2F-P15.
129. Chaussard, E., F. Amelung, and **Y. Aoki** (2013), Detection of cyclic behaviors and characterization of magma storage at andesitic volcanoes using regional InSAR time series surveys, *IAVCEI 2013 Scientific Assembly*, Abstract 1A2_2F-O26.

128. Savage, M. K., **Y. Aoki**, and Ruamoko Rumbles (2013), Seismic anisotropy on active volcanoes, *IAVCEI 2013 Scientific Assembly*, Abstract 1A1_2F-O13.
127. Nobile, A., D. Trippanera, S. Pepe, F. Casu, P. Tizzani, J. Ruch, **Y. Aoki**, N. Geshi, V. Accocella, E. Sansosti, V. Siniscalchi, S. Borgstrom, and Z. Silvia (2013), Volcano deformation in Kyushu (SW Japan) through InSAR data, *IAVCEI 2013 Scientific Assembly*, Abstract 1A1_2D-O2.
126. **Aoki, Y.**, M. Takeo, T. Ohminato, Y. Nagaoka, and K. Nishida (2013), Structural controls on magma pathways beneath Asama volcano, Japan, *IAVCEI 2013 Scientific Assembly*, Abstract 0P2_2F-O8.
125. Fukuda, J., A. Kato, N. Kato, and **Y. Aoki** (2013), Reduction of frictional stability illuminated by rapid afterslip following the 2011 Tohoku-oki earthquake, *Japan Geoscience Union Meeting*, Abstract SSS29-14.
124. Araragi, K., M. Savage, T. Ohminato, and **Y. Aoki** (2013), Shear wave splitting measurements and shallow crustal structure of Mt. Fuji region, *Japan Geoscience Union Meeting*, Abstract SVC48-18.
123. Pepe, S., D. Trippanera, F. Casu, P. Tizzani, A. Nobile, **Y. Aoki**, S. Zoffoli, V. Accocella, and E. Sansosti (2013), The 2006-2012 deformation at Sakurajima stratovolcano (Japan) detected via spaceborne multisensor SAR Interferometry, *Geophysical Research Abstracts*, **15**, EGU2013-11748-2.
122. **Aoki, Y.** and T. P. Sidiq (2013), Ground deformation associated with the eruption of Lumpur Sidoarjo mud volcano, eastern Java island, *Geophysical Research Abstracts*, **15**, EGU2013-6663.

REFERENCES:

Prof. Minoru Takeo
Earthquake Research Institute, University of Tokyo,
1-1, Yayoi 1, Bunkyo-ku,
Tokyo 113-0032, Japan
Phone: +81-3-5841-5707 Fax: +81-3-3812-6979
Email: teru@eri.u-tokyo.ac.jp

Prof. Teruyuki Kato
Earthquake Research Institute, University of Tokyo,
1-1, Yayoi 1, Bunkyo-ku,
Tokyo 113-0032, Japan
Phone: +81-3-5802-8644 Fax: +81-3-5689-7234
Email: teru@eri.u-tokyo.ac.jp

Prof. Christopher H. Scholz
Lamont-Doherty Earth Observatory of Columbia University
P. O. Box 1000, Route 9W, Palisades, NY 10964, USA
Phone: +1-845-365-8360 Fax: +1-845-365-8150
Email: scholz@ldeo.columbia.edu

Prof. Martha K. Savage
Institute of Geophysics, Victoria University of Wellington,
PO Box 600, Wellington 6140, New Zealand
Phone: +64-4463-5961 Fax: +64-4463-5186
Email: Martha.Savage@vuw.ac.nz

Prof. Sigurjón Jónsson
King Abdullah University of Science and Technology,
Thuwal 23955-6900, Saudi Arabia
Phone: +966-54-470-0074
Email: sigurjon.jonsson@kaust.edu.sa

Dr. Florent Brenguier
Insitut des Sciences de la Terre, Université Joseph Fourier
1381 rue de la Piscine,
38040 Saint Martin d'Herès, Grenoble CEDEX 9, France
Phone: +33 (0)4 76 63 52 55
Email: florent.brenguier@ujf-grenoble.fr