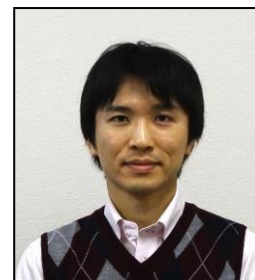


## Curriculum Vitae

### Hiroaki Ohfuji (Ph.D.)



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**Date of Birth:** 4th April 1976      **Place of Birth:** Kanagawa, Japan  
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#### **EDUCATION:**

- BSc. in Geology, (1999)  
Department of Geology, Faculty of Science, Niigata University, Japan
  - MSc. in Geology and Mineralogy, (2001)  
Graduate School of Science and Technology, Niigata University, Japan
  - Ph.D. (2005)  
School of Earth, Ocean and Planetary Sciences, Cardiff University, UK  
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#### **EMPLOYMENT HISTORY:**

2020.10 – Present	Professor at Department of Earth Science, Graduate School of Science, Tohoku University, Japan
2016.4 – 2020.9	Professor at Geodynamics Research Center, Ehime University, Japan
2012.4 – 2016.3	Associate Professor at Geodynamics Research Center, Ehime University, Japan
2005.10 – 2012.3	Assistant Professor at Geodynamics Research Center, Ehime University, Japan
2004.11 – 2005.9	Postdoctoral research fellow at Geodynamics Research Center, Ehime University, Japan

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**RESEARCH INTERESTS:**

- Crystal growth and self-organization mechanism of natural/synthetic minerals
  - Genesis of mantle, metamorphic and impact diamonds
  - Graphite – diamond transformation mechanism
  - Formation mechanism of authigenic iron sulfides in natural sediments.
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**PROFESSIONAL MEMBERSHIPS:**

- Mineralogical Society of America – Member
  - American Geophysical Union – Member
  - Japan Geoscience Union – Member
  - Japan Association of Mineralogical Sciences – Member
  - The Clay Science Society of Japan – Member
  - The Japanese Association for Crystal Growth – Member
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**AWARDS:**

2002-2004	Overseas Research Student (ORS) Award (funded by Universities UK)
2011	Young Researcher Award (given by Japan Association of Mineralogical Sciences)
2012	Outstanding Paper Award (given by Japan Association of Mineralogical Sciences)
2016	Outstanding Paper Award (given by Japanese Society for Rock Mechanics)
2018	JAMS Award (given by Japan Association of Mineralogical Sciences)

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**CONTRIBUTION TO SOCIETY:**

- Editorial Board Member of Scientific Reports (Nature Research)
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  - Director of Japan Association of Mineralogical Sciences
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**PUBLICATIONS:** (all published in peer-reviewed international journals)

1. T. Nishiyama, H. Ohfuji, K. Fukuba, M. Terauchi, U. Nishi, K. Harada, H. Unoki, Y. Moribe, A. Yoshiasa, S. Ishimaru, Y. Mori, M. Shigeno, S. Arai (2020) Microdiamond in a low-grade metapelite from a Cretaceous subduction complex, western Kyushu, Japan, *Scientific Reports*, 10, 11645.
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4. R. Fukuta, N. Yamamoto, Y. Murakami, F. Ishikawa, H. Ohfuji, T. Shinmei, T. Irifune (2020) Dispersing InP Nanocrystals in Nano-polycrystalline Diamond during the Direct Conversion from Graphite, *Materials Transactions*, 61, 1707-1710.
5. M. Yoshida, M. Miyahara, H. Suga, A. Yamaguchi, N. Tomioka, T. Sakai, H. Ohfuji, F. Maeda, I. Ohira, E. Ohtani, S. Kamada, T. Ohigashi, . Inagaki, Y. Kodama, N. Hirao (2020) Elucidation of impact event recorded in the Iherzolithic shergottite NWA 7397, *Meteoritics & Planetary Science*, in press.
6. K. Fukimoto, M. Miyahara, T. Sakai, H. Ohfuji, N. Tomioka, Y. Kodama, E. Ohtani, A. Yamaguchi (2020) Back-transformation mechanisms of ringwoodite and majorite in an ordinary chondrite, *Meteoritics and Planetary Science*, in press.
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8. H. Kadobayashi, H. Hirai, H. Ohfuji, M. Ohtake, M. Muraoka, S. Yoshida, Y. Yamamoto (2020) Structural evolution of methane hydrate under pressures up to 134 GPa, *The Journal of Chemical Physics*, 152, 194308.
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10. H. Kawamura, H. Ohfuji (2020) Nano-polycrystalline diamond synthesized through the decomposition of stearic acid, *High Pressure Research*, 40, 162-174.
11. T. Irifune, C. Ueda, S. Ohshita, H. Ohfuji, T. Kunimoto, T. Shinmei (2020) Synthesis of nano-polycrystalline diamond from glassy carbon at pressures up to 25 GPa, *High Pressure Research*, 40, 96-106.
12. R. Ishii, R. Fukuta, F. Ishikawa, M. Matsushita, H. Ohfuji, T. Shinmei, T. Irifune, M. Funato, Y. Kawakami (2020) Deep-ultraviolet near band-edge emissions from nano-polycrystalline diamond, *High Pressure Research*, 40, 140-147.
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