

Doan Huy Hien

Curriculum Vitae

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PERSONAL INFORMATION

Name Doan Huy Hien
Date of Birth March 15, 1982
Place of Birth Namdinh, Vietnam
Nationality Vietnamese
Marital Status Single

EDUCATION

2008–2011 **PhD Student in Petroleum Resource Technology**, *University of Science and Technology*, Korea, My interests are seismic data processing for anisotropic media and imaging, Desertation preparation: Reverse time migration for transversely isotropic (TI) media..
2004–2006 **Master of Science in Geosystem Exploration and Petroleum Geoengineering**, *Asian Institute of Technology*, Bangkok Thailand.
2000–2004 **Bachelor of Science in Geotechnical Engineering**, *Tallented Training Program, College of Science*, Vietnam National University.
1997–2000 **High school**, *Gifted School for Mathematics*, College of Science, Vietnam National University.

WORKING EXPERIENCE

April 2015–Now **Geophysical Researcher**, *Seismic data processing team*, Exploration and Production Center, Vietnam Petroleum Institute, Ha Noi.
Doing the research on the seismic data processing, imaging and inversion problems
2013–2015 **Postdoctoral Researcher**, *Acquisition and processing team*, Schlumberger Gould Research, Cambridge, UK.
Doing the research on the wavefields reconstruction and noise attenuation for multicomponents seismic data
2011–2013 **Researcher**, *Software development team*, Fairfield Vietnam Ltd., Ho Chi Minh City.
Seismic data processing and Imaging algorithm development
2007–2011 **Researcher**, *Seismic Data Processing Team*, Korea Institute of Geosciences and Mineral Resources.
Seismic data processing and Imaging algorithm development
2006–2007 **Research Associate**, *Asian Institute of Technology*.
2005–2006 **Teaching Assistant**, *Asian Institute of Technology*.

COMPUTER SKILLS

Languages	C, Fortran, OpenMPI, Matlab
Platforms	Linux, Unix, Windows
Seismic data processing	Seismic Unix, Madagascar, Promax, Geobit, Omega
Topography	Ms Office, Latex

LANGUAGES PROFICIENCY

English	Fluent	<i>Speaking, reading, and writing.</i>
Korean	Above average	<i>Speaking, reading, and writing.</i>

AWARDS

- 2001 Third Prize in Analysis of National Mathematic Olympic for Student, Vietnam Mathematical Society.
- 2003 Third Prize in the Science Researching Competition for Student of Hanoi University of Science
- 2004 Third Prize in the Science Researching Competition for Student of Hanoi University of Science
- 2000-2004 Monthly scholarship for the best student academic achievement of talented program, Vietnam National University.

MEMBERSHIP

- 1 Vietnam association of Geophysicists since 01/2009
- 2 Society of Exploration Geophysics (SEG), student member since 06/2009

PUBLICATIONS

- 1 Lieu, T. M. and **Hien, D. H.** (2004). The Use of Definition of Entropy to Study the Anisotropy of Geotechnical Parameters. Journal of Building Science and Technology (12-2004), Ministry of Construction (in Vietnamese).
- 2 Lieu, T. M., Phuong, N. H., **Hien, D. H.**, and Ta, N. V. (2005). Qualitatively zoning of Geotechnical Conditions for High-rise Building Construction. Proceeding of Geotechnical Geoenvironmental Conference June-2005. Vietnamese Geotechnical and Geoenvironmental Society. (In Vietnamese).
- 3 Lieu, T. M., Hung, L. C. , **Hien, D. H.**, and Toan, D.T. (2005). Qualitatively Map of Land Subsidence due to over Groundwater Exploitation, Journal of Geotechnics and Geoenvironments (12-2005), Vietnamese Geotechnical and Geoenvironmental Society. (In Vietnamese).
- 4 **Hien, D. H.** (2004). Qualitatively Zoning Map of the Geotechnical Conditions for High-rise Building in Southeast Hanoi. HUS Bachelor Thesis, Hanoi University of Science, Hanoi, Vietnam (In Vietnamese).
- 5 **Hien, D. H.** (2006). Geophysical-Geotechnical Study of the Red River Delta Clay with Reference to Highway Network Upgrading. AIT Master Thesis, the Asian Institute of Technology, Bangkok, Thailand.
- 6 Giao, P. H and **Hien, D. H.** (2007). Geotechnical Characterization of Soft Clay along the Highway in the Red River Delta. International Lowland Technology Journal, Vol 9 -1 pp 18-27

- 7 Giao, P. H, Weller, A., **Hien, D. H.** and Adisornsupawat, K. (2008). An approach to construct the weathering profile in a hilly granitic terrain based on electrical imaging, *Journal of Applied Geophysics*, Vol 65(1), pp 30-38. Elsevier
- 8 Giao, P. H and **Hien, D. H.** (2007). Shallow Exploration of Bangkok Clay Using Multiple Square array. *Proceeding of Recent Advance Geophysics Exploration 2007 Symposium (RAGE-2007)*, Kyoto, Japan.
- 9 **Hien, D. H.**, Jang, S., Suh, S., and Youngwan, K. (2007). Kirchhoff Prestack Depth Migration for Gas Hydrate Data Set. The paper presented at new and renewable energy symposium, Jeju, Korea (Spring meeting).
- 10 Giao, P. H., Vichalai, C. and **Hien, D. H.**, (2007). A study on Geotechnical Geophysical Responses of Styrofoam Material for Construction of a Concrete Pavement Model. The paper presented at Hanoi Geoengineering 2007.
- 11 Jang, S. Youngwang, K., **Hien, D. H.** and Suh, S (2007). Acoustic impedance inversion for seismic data set. The paper presented at new and renewable energy symposium, Busan, Korea (Fall meeting).
- 12 **Hien, D. H.**, Jang, S., Suh, S., and Youngwan, K. (2007). Prestack depth migration for gas hydrate exploration. The paper presented at new and renewable energy symposium, Busan, Korea (Fall meeting).
- 13 **Hien, D. H.**, Jang, S., Suh, S., and Youngwan, K. (2008). Prestack Depth Migration for Korea offshore seismic data. The paper presented at Earth sciences symposium, Seoul, Korea (Spring meeting).
- 14 **Hien, D. H.**, Jang, S., Suh, S., and Youngwan, K. (2008). Study on enhancing seismic data set. The paper presented at new and renewable energy symposium, Deagu, Korea (Spring meeting)
- 15 **Hien, D. H.**, Jang, S., Suh, S., and Youngwan, K. (2008). Complex analysis for the gas hydrate seismic reflection data. The paper presented at new and renewable energy symposium, Busan, Korea (Fall meeting)
- 16 **Hien, D. H.**, Jang, S., Suh, S., and Youngwan, K. (2008). Application of postack deconvolution for gas hydrate seismic reflection data. The paper presented at the VAG International Symposium, Hanoi, November 2008. (Published at *Journal of Geology*, Series B)
- 17 **Hien, D. H.**, Jang, S., Suh, S., and Youngwan, K. (2008). Multiple seismic attribute analysis for the Gas hydrate seismic data. The paper present at PME-GEPG program, Asian Institute of Technology Center of Vietnam and Vietnam Institute of Petroleum (VPI), PetroVietnam.
- 18 **Hien, D. H.** (2008) Overview on Geophysical methods on Geoexploration and Geoengineering. The paper present at Faculty of Geology, Hanoi University of Science, Vietnam National University, Hanoi.
- 19 **Hien, D. H.**, Jang, S., Suh, S., and Youngwan, K. (2009) Multiple seismic attribute analyses for determination of bottom simulating reflector (BSR) for Gas hydrate seismic data of the Ulleung basin, Korea. *Marine Geophysical Researches*.
- 20 Jang, S., Suh, S., **Hien, D. H.**, and Youngwan, K. (2009) Prestack reverse time migration for a walkway VSP: a Sigbee velocity model case study. *Proceeding of 9th SEGJ international symposium*, Hokkaido Japan.

- 21 **Hien, D. H.**, Jang, S., Suh, S., and Youngwan, K. (2009) Application of time frequency spectral decomposition for gas hydrate exploration. Proceeding of 9th SEGJ international symposium, Hokkaido Japan.
- 22 **Hien, D. H.**, Jang, S., Suh, S., and Youngwan, K. (2010) Seismic forward modeling for vertical transversely isotropic media, Proceeding of Korea geosystem engineering conference, Jeju Korea.
- 23 **Hien, D. H.**, Jang, S., and Kim, Y. (2010) Time Frequency Spectral Decomposition for Determination of Bottom Simulating Reflector of Gas Hydrate Seismic Data. Proceeding of 21st ASEG international conference, Sydney Australia.
- 24 Kim, Y., Jang, S., **Hien, D. H.** and Yoon, W., (2010) Prestack depth migration using seismic virtual source gathers. Proceeding of 21st ASEG international conference, Sydney Australia.
- 25 **Hien, D. H.**, Jang, S., and Youngwan, K. (2010) Prestack reverse time migration for tilted transversely isotropic (TTI) media, Proceeding of Korea geosystem engineering conference, Fall meeting, Busan Korea. **Best paper presentation award.**
- 26 **Hien, D. H.**, Jang, S., and Youngwan, K. (2010) Prestack reverse time migration for vertical transversely isotropic (VTI) media, Proceeding of Hanoi geoengineering.
- 27 Jang, S., **Hien, D. H.**, and Youngwan, K. (2010) Anisotropic prestack depth migration using SSF, proceeding of Hanoi geoengineering.
- 28 **Hien, D. H.** (2010) Prestack reverse time depth migration for tilted transversely isotropic (TTI) media, PhD. dissertation, University of Science and Technology
- 29 **Hien, D. H.** (2011) Fxy-Decon for random noise attenuation, In-house WKG module
- 30 **Hien, D. H.**, Jang, S., and Nhan, L. T., (2012) Parallel Fxy-Decon for random noise attenuation, KSEG Proceeding of international conference of geophysics, Jeju, Korea
- 31 **Hien, D. H.**, A. Ozbek, and K. Ozdemir, (2015) Nessie-6 with fewer sensor, Technical report, Schlumberger Gould Research