



HOA THI PHAM

SCIENTIFIC CURRICULUM VITAE

## PROFILE

Date of birth: 09, September 1978

Sex: Female

Birth Place: VinhLoc district,  
ThanhHoa province, Vietnam

## CONTACT

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Room 20.10 CT1B Building XpHomes  
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## HOBBIES

- Reading to science books
- Travelling
- Aerobic, swim, sing, dance
- Expedition

## DRIVING LICENCE

- Valid B2 Class Driver's License until  
30, September 2023

## EDUCATION

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### **Hanoi University of Mining and Geology**

September 1996– November 2000 for the University Degree in Surveying

September 2001–December 2004 for the Degree of Master of engineering in  
Geodesy

December 2007 – October 2012 for The Degree of Doctor of Philosophy in  
Engineering

Major object: Geodesy

## EMPLOYMENT HISTORY

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### **Vinaconex 7 Company - Vinaconex Construction Corporation**

July 2001– March 2004

Job Title: Engineers of Surveying and Mapping

### **College of meteorology and hydrology - Ministry of Natural Resources and Environment (Monre)**

April 2004– May 2005

Job Title: Lecturer

### **College of Natural Resources and Environment- Ministry of Natural Resources and Environment (Monre)**

June 2005– July 2009

Job Title: Lecturer

### **College of Natural Resources and Environment- Ministry of Natural Resources and Environment (Monre)**

August 2009– July 2010

Job Title: Vice dean of Surveying and Mapping Faculty

### **Hanoi University of Natural Resources and Environment (HUNRE)- Ministry of Natural Resources and Environment (Monre)**

- August 2010 – October 2010

Job Title: Vice dean of Surveying and Mapping Faculty

- November 2010– September 2012

Job Title: Vice dean, in charge of Surveying and Mapping Faculty

- October 2012 – January 2018

Job Title: Dean of Surveying and Mapping Faculty

- February 2018 – present

Job Title: Dean of Surveying, Mapping and Geoinformation Faculty

## RESEARCH TOPIC

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Geodesy (GNSS, Gravity, Remote Sensing, GIS) for Natural Resources and Environment

## SCIENTIFIC PAPERS PUBLISHED

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1. Hoa Thi Pham (2007). Investigation of EGM96 based geoid height in Vietnam. *Journal of Cadastre*, No. 2-April/2007, ISSN: 0866-7705, page 27-31.
2. Do Duy Nguyen, Hoa Thi Pham (2009). The official Earth Gravitational Model EGM2008 in Vietnam. Reference Proceedings of the 6st science and technology Workshop of Natural Resources and Environment College, page 38-43.
3. Hoa Thi Pham (2009). Evaluation of terrain effect in height anomaly in different calculated radius. Reference Proceedings of the 6st science and technology Workshop of Natural Resources and Environment College, page 129-136.
4. Lan Hoang Pham, Hoa Thi Pham (2010). Investigation of the relationship between terrain effect in height anomaly and calculated radius in Lai Chau-SonLa. *Journal of Geodesy and Cartography*. No. 3, March 2010, ISSN: 0866-7705, page 32-36.
5. Do Duy Nguyen, Hoa Thi Pham (2011). Overview of the application of the Cors technology in the world and Vietnam. *Education, Scientific and Technology Proceedings of Hunre*, page 6-7.
6. Hoa Thi Pham (2011). Determining terrain effect in vertical deflection by using Spline linear function method. *Journal of Mining and Earth Sciences*, No. 34, April 2011, ISSN 1859-1469.
7. Hoa Thi Pham (2011). Effective radius of integral area in determining terrain effect in vertical deflection in the northwest and highlands mountainous areas. *Journal of Geodesy and Cartography*. No. 8, June 2011, ISSN: 0866-7705, page 16-20.
8. Hoa Thi Pham (2011). Surveying the performance of interpolation methods for terrain effect in height anomaly. *Journal of Geodesy and Cartography*. No. 9, September 2011, ISSN: 0866-7705, page 9-12.
9. Hoa Thi Pham (2011). Some requirements of terrain elevation data for calculating the terrain effect on height anomaly in Vietnam. *Journal of Geodesy and Cartography*. No. 10, December 2011, ISSN: 0866-7705, page 17-22.
10. Hoa Thi Pham (2011). Investigations on the correlations between topographic influences in height anomalies and topographic elevation. *Journal of Mining and Earth Sciences*, No. 36, October 2011, ISSN 1859-1469, page 74-78.
11. Hoa Thi Pham (2012). The terrain effect in vertical deflection in the northwest and highlands mountainous areas. *Vietnam Journal of Earth sciences*, 31 (4)-3/2012. ISSN 0886-7187, page 92-96.
12. Hoa Thi Pham (2013). The accuracy requirements of terrain elevation data for determining the terrain effect on vertical deflection in Vietnam. *Journal of Mining and Earth Sciences*, No. 41, January 2013, ISSN 1859-1469, page 18-20.

13. Chinh Nam Dang, Hoa Thi Pham (2013). Innovating training of Geodetic and Cartographic technical staff to meet requirements of sustainable development and international integration. The 1st Science and Techonology Workshop of Hunre 2013, page 275-281.
14. Hoa Thi Pham, Kieu Duy Tran, Thach Thanh Luong, Cuong Anh Le, Huy Quang Le, Thuy Minh Cao (2013). The regression model to determine wind speed based on using GNSS signal. The 1st Science and Techonology Workshop of Hunre, page 304-307.
15. Kieu Duy Tran, Hoa Thi Pham, Viet Dinh Hoang, Quang Van Nguyen, Khoe Van Nguyen, Loan Thi Mai (2013). Digital zenith camera for vertical deflection determination. The 1st Science and Techonology Workshop of Hunre-2013, page 308-311.
16. Hoa Thi Pham (2013). New formula for determining terrain effect in vertical deflection. Journal of Science on Natural Resources and Environment. No. 01, September 2013, page 32-34.
17. Hoa Thi Pham (2014). Investigation on interpolation methods for terrain effect on deflection of vertical. Journal of Science on Natural Resources and Environment. No. 03, June 2014, ISSN 0866-7608, page 3-8.
18. Chinh Nam Dang, Hoa Thi Pham (2014). The cooperation between the university and professional enterprises to improve the quality of training and education in order to meet the society needs. The 2st Science and Techonology Workshop of Hunre-2014, Labor Publishing House, page 19-24.
19. Hoa Thi Pham, Lan Hoang Pham (2014). Determining the separation between global and local quasigeoid at HonDau tidal station in Vietnam. Journal of Science on Natural Resources and Environment, No. 5, December 2014, ISSN 0866-7608, page 51-56.
20. Hoa Thi Pham, Thach Thanh Luong (2015). Investigation in ability to improving accuracy of interpolation method for deflection of vertical using terrain data. Reference Proceedings of surveying and mapping for army in Vietnam, page 87-91.
21. Hoa Thi Pham, Vinh Xuan Dinh, Bac Xuan Nguyen, Ha Le Dinh, Thach Thanh Luong, Quang Van Nguyen, Viet Dinh Hoang (2015). Determining ellipsoidal coordinates with high accuracy to meet requirement of generating elevations based on existing national vertical datum in islands of Vietnam. Journal of Science on Natural Resources and Environment, No. 08 - 6/2015. ISSN 0866-7608, page 39-44.
22. Hoa Thi Pham (2015). Evaluation of the role of elevation source data and the remove-restore technique on the accuracy of interpolated normal heights. Journal of Earth science 37(2) - 6/2015, ISSN 0886 -7187, page 178-181.

23. Hoa Thi Pham, Nhung Thi Le (2016). Determining gravity anomalies using geoid undulations. GIS 2016 Conference Proceedings, page 162-171.
24. Hoa Thi Pham, Dung Quoc Nghiem (2017). Determination of coordinate transformation parameters between ITRF and Vietnamese geodetic datum (VN2000). Geo-spatial technologies and Earth resources (GTER), ISBN: 978-604-913-618-4, page 245-252.
25. Hoa Thi Pham, Thu Hoai Thi Trinh (2018). The recommended solution for determining new coordinate transformation parameters between Vietnam geodetic system and world geodetic system. Journal of Science on Natural Resources and Environment, No. 19- 3/2018. ISSN 0866-7608, page 71-77.
26. Hoa Thi Pham, Thu Hoai Thi Trinh, Hoa Viet Pham, Huynh The Pham, Huong Hong Thi Nguyen (2018). Determination of new transformation parameters between Vietnam national reference system (VN-2000) and the world geodetic system 1984 (WGS84). Journal of Natural Science and Technology, Vol. 15, No.11b (2018), ISSN 1859 -3100, page 108-114.
27. Hoa Thi Pham, Huong Dinh Cong, Thu Hoai Thi Trinh, Huynh The Pham. Intergrating RS, GIS and GPS to generate landslide warning map on the Hochiminh road from Km 805 to Km 835 (2018). Conference Proceedings of Science and Technology.
28. Hoa Thi Pham, Dung Quoc Nghiem, Thu Hoai Thi Trinh, Huynh The Pham, and Nhung Thi Le (2019). Vietnam National Coordinate Reference System (VN-2000) and ITRS, WGS84 and PZ-90. International Symposium on Global Navigation Satellite System 2018 (IS GNSS 2018). E3S Web of Conferences Vol. 94 (2019).
29. Hoa Thi Pham, Thu Hoai Thi Trinh (2019). The gravity anomalies derived from geoid height data in Vietnam. Journal of science on natural resources and environment, No. 21 (2019), ISSN 0866-7608, page 57-65.
30. Hoa Thi Pham, Thang Viet Nguyen, Thu Hoai Thi Trinh and Bac Xuan Nguyen (2019). Assessment of the Performance of EIGEN-6C4 Via GNSS/Leveling Data over Vietnam. Reference Proceedings of International Federation of Surveyors, FIG working week 2019 with the "Geospatial information for a Smarter Life and Environmental Resilience" theme. ISBN 978-87-92853-90-5.

## BOOKS PUBLISHED

No.	Name	Published	Year	Source of funds	Chief Author/ co-author
1	Network Adjustment	College of Natural resources and Environment	2004	Undergraduate Program	Chief Author
2	Basic Surveying 2	College of Natural resources and Environment	2007	Undergraduate Program	Chief Author
3	Basic Surveying 1	Hanoi University of Natural resources and Environment	2011	Undergraduate Program	Chief Author
4	Basic Geodesy	Hanoi University of Natural resources and Environment	2012	Undergraduate Program	Chief Author
5	Satellite Positioning	Hanoi University of Natural resources and Environment	2013	Undergraduate Program	Chief Author
6	Theory Geodesy	Hanoi University of Natural resources and Environment	2014	Undergraduate Program	Chief Author
7	Surveying for civil and industry construction	Publishing House for Science and Technology	2014	Undergraduate Program	Co-author
8	The Earth shape and Gravity field	Hanoi University of Natural resources and Environment	2015	Post-graduate Program	Chief Author
9	Space-based geodetic Techniques	Hanoi University of Natural resources and Environment	2016	Post-graduate Program	Chief Author
10	Modern Navigation and Positioning Techniques	Hanoi University of Natural resources and Environment	2016	Post-graduate Program	Chief Author
11	Geodetic Method for studying dynamics of the Earth	Hanoi University of Natural resources and Environment	2016	Post-graduate Program	Co-author

## SCIENTIFIC PROJECTS PARTICIPATED

No.	Project Title	Time	Source of funds	Position on the project team
1	Solutions to improve GPS measurement accuracy in Vietnam conditions	2004 2005	Ministry of Natural Resources and Environment (Vietnam)	project team member
2	Comparing and evaluating a number of global geoid models in the territory of Vietnam	1/2006 - 12/2006	Ministry of Natural Resources and Environment (Vietnam)	project manager
3	Establishing a normal height system for Vietnam without using the mean sea surface	2008 2009	Ministry of Natural Resources and Environment (Vietnam)	project team member
4	An investigation on methods of determining the influence of terrain in height anomaly	1/2009 - 12/2009	Ministry of Education and Training (Vietnam)	project manager
5	The determination of the terrain effect in vertical deflection in Vietnam	01/2010 -12/2010	Ministry of Education and Training, Vietnam	project manager
6	Collection and evaluation of the OSU91A and GAO98 geoid model for training in Surveying and Mapping	01/2010 -12/2010	Ministry of Natural Resources and Environment (Vietnam)	project manager
7	The terrain effect in gravity anomaly in LaiChau – SonLa mountainous areas	01/2011- 12/2011	Hanoi University of Natural Resources and Environment (Vietnam)	project manager
8	Research on transferring national altitude to large islands near the shore of our country with accuracy level equivalent to grade-III leveling	7/2012 - 5/2016	Ministry of Natural Resources and Environment (Vietnam)	project manager

No.	Project Title	Time	Source of funds	Position on the project team
9	The combination of GPS measurements and IGS data sources in order to improve on accuracy of the resulting coordinates	8/2014-8/2015	Hanoi University of Natural Resources and Environment (Vietnam)	project manager
10	Using topographic data to improve on the accuracy of the Earth's gravitational potential in the territory of Vietnam	2013-2016	Ministry of Natural Resources and Environment (Vietnam)	project team member
11	Investigating the effect of GNSS observation-session duration on the accuracy of the resulting ellipsoidal heights (2015)	8/2015-5/2016	Hanoi University of Natural Resources and Environment (Vietnam)	project manager
12	The produce for determining gravity anomalies using height anomalies (2016)	4/2016-4/2017	Hanoi University of Natural Resources and Environment (Vietnam)	project manager
13	Determining dynamic connections between Vietnamese geodetic datum VN2000 and international terrestrial reference systems (2018)	4/2017-4/2018	Ministry of Natural Resources and Environment (Vietnam)	project manager
14	The automation of transforming between VN2000 and international terrestrial reference frame (ITRF)	1/2019 – now (Still in progress)	Ministry of Natural Resources and Environment (Vietnam)	project team member
15	Research for establish a scientific basis to build geoid model in the sea area of Vietnam; trial for a typical area	2/2018 - now (Still in progress)	Ministry of Natural Resources and Environment (Vietnam)	project manager

I hereby declare that the information provided above is completely accurate.

*Hanoi, 30 July 2019*

**Declarant**

**Hoa Thi Pham**