



MINISTRY OF
NATURAL RESOURCES AND ENVIRONMENT
**HANOI UNIVERSITY OF
NATURAL RESOURCES AND ENVIRONMENT**



SCIENTIFIC CURRICULUM VITAE

1. Personal details	
Full name	DO VAN DUONG
Date of birth	28 th , June 1979
Sex	Male
Place of birth	Nam Dinh
Contact address	Faculty of Surveying, Mapping and Geographic Information, HaNoi University Of Natural Resources and Environment.
Telephone	
Tel.	
Mobile	0378.516.086
Email	dvduong@hunre.edu.vn
Academic degree	Doctor
Academic title	2018, University of Mining and Geology
Administrative position	Lecturer
Department	Faculty of Surveying, Mapping and Geographic Information
Tax code (or ID card number)	

2. Education			
2.1. Qualification			
Finish	Academic degree	Major(s)	Institute, country
2001	Engineer	Cadastre	University of Mining and Geology
2009	Master’s degree	Geodetic Engineering	University of Mining and Geology
2018	Doctor	Geodetic Engineering	University of Mining and Geology
2.2. Title of PhD thesis (completed)		Study on automatic object recogniton and establishment of 3D spatial database from imagery data acquired by UAV	
2.3. Short courses (if yes)			
Duration	Title of short course(s)		Institute, country

2.4. Foreign language(s)		
Foreign language(s)	Degree/level	
English	B2	

3. Employment record		
From year...to year...	Address	Position
2004-2005	Surveying and Mapping, Central I - Geodetic Technical School	Teacher
2005-2010	Hanoi Natural Resources and Environment College	Lecture
2010- this moment	HaNoi University Of Natural Resources and Environment	Lecturer

4. Scientific research				
4.1. Majors				
Main research orientation		GPS, UAV, GIS		
4.2. Publications and accomplishments				
4.2.1. Published textbook(s), reference book(s) (within the last 5 years)				
No	Title of books	Author/co-author	Publishing year	Publishing house
1	Integrated navigation system INS / GNSS and applications	co-author	2017	resources-environment and mapping of vietnam
4.2.2. Articles in domestic journal				
No	Title of articles	Publishing year	Journal name / publisher; number, volume release; site of construction	Author/co-author
1	Applied Hopfield neuron network in the super-resolution processing of overlay map	April, 2011	Journal of Mining Technology - Geology	Do Van Duong
2	Soft classification methods in remote sensing image classification	September, 2011	Journal of Geodesy and Cartography	Nguyen Quang Minh, Do Van Duong
3	Accuracy assessment of integrated navigation systems using micro-electronic IMUs and low-cost GPS receivers in navigation, navigation	September, 2014	Journal of Geodesy and Cartography (ISSN: 0866-7705)	Do Van Duong

	and geodetic applications, maps.			
4	Research on the process of real 3D model reconstruction from unmanned aerial vehicle imagery data	June, 2015	Scientific Journal of Natural Resources and Environment (ISSN 0866-7608).	Do Van Duong, Nguyen Sach Thanh
5	Building a topographical database from UAV imagery data	September, 2015	Scientific Journal of Natural Resources and Environment (ISSN 0866-7608).	Đỗ Văn Dương, Vương Thị Hòa
6	Building a topographical database from UAV imagery data	September, 2015	Journal of Surveying and Mapping Science (ISSN: 0866-7705)	Do Van Duong
7	Improving the Accuracy of the INS/GNSS Integrated Navigation System with Non-Holonomic Constraint	March, 2017	Journal of Mining Technology - Geology	Duong Thanh Trung, Truong Minh Hung, Tran Trung Chuyen, Do Van Duong
8	Accuracy improvement of object recognition for establishment of topographic database from UAV images	March, 2017	Journal of Mining Technology - Geology	Do Van Duong, Nguyen Quang Minh, Le Thi Nhung
9	Kalman filter in data processing integrated navigation positioning system (INS/GPS)	December, 2017	Journal of Natural Resources and Environment	Do Van Duong, Vuong Thi Hoe
10	Integrated data processing system INS-GPS by smooth estimation algorithm	June, 2018	Scientific Journal of Natural Resources and Environment (ISSN 0866-7608).	Do Van Duong
11	Tightly integrated INS / GPS with Doppler measurements using the extended Kalman filter (EKF)	Jan, 2019	Journal of Natural Resources and Environment	Do Van Duong, Vuong Thi Hoe, Tran Thu Trang
12	Application of direction principal component analysis method in extraction of clay minerals from landsat 8 multispectral image	Feb, 2019	Journal of Mining Technology - Geology	Nguyen Sach Thanh, Trinh Le Hung, Do Van Duong
13	Application of GIS technology and remote sensing in assessing the	March, 2020	Scientific Journal of Natural Resources and Environment (ISSN	Do Van Duong

	expansion of inaccessible artificial islands in the SPRATLY islands - Viet Nam		0866-7608).	
14	The application of WebGis open source on mineral resource management: A case study in Quy Hop district, Nghe An province	November, 2020	Scientific Journal of Natural Resources and Environment (ISSN 0866-7608).	Dau Thanh Binh, Nguyen Sach Thanh, Nguyen Nhu Hung, Do Van Duong

4.2.3. Articles in international journal

No	Title of articles	Publishing year	Journal name / publisher; number, volume release; site of construction	Author/co-author
1	The Performance Evaluation of the Integration of Inertial Navigation System and Global Navigation Satellite System with Analytic Constraints	June, 2017	Journal of Environmental Science and Engineering A, Archived: 6 (2017), pp 313-319	Thanh Trung Duong, Nguyen Van Sang, Do Van Duong and Kai-Wei Chiang

4.2.4. Scientific reports at domestic scientific conferences/workshops/forums

Date	Title of scientific report	Name of Conference	Author/co-author	Organizing place
November, 2013	Introduce unmanned aerial vehicles and their applications in civilian areas	The first scientific conference of the University of Natural Resources and Environment	Do Van Duong	Accepted
December, 2016	Build algorithm to generate DEM from DSM data of UAV image	Seminars National GIS applications 2016	Do Van Duong, Nguyen Sach Thanh	Accepted
December, 2016	Buiding satellite imagery management software based on open source GIS technologies	Seminars National GIS applications 2016	Nguyen Sach Thanh, Nguyen Quang Minh, Vu Van Truong, Do Van Duong	Accepted

4.2.5. Scientific reports at international scientific conferences/workshops/forums

Date	Title of scientific report	Name of Conference	Author/co-author	Organizing place
October, 2009	Downscaling Multispectral Imagery Based on the HNN Using Forward Model	The 7 th FIG Region Conference Spatial Data Serving People: Land Governance and the	Quang Minh NGUYEN, Van Duong DO, Vietnam and P.M. Atkinson,	Accepted

		Environment – Building the Capacity Hanoi, Vietnam, 19- 22 October 2009	H.G.Lewis, UK	
May, 2016	Automatic DTM Generation from DSM for Establishing Terrain Data Base	HaNoi university of mining and geology, GMMT 2016, International symposium on geo- spatial and mobile mapping technologies and summer school for mobile mapping technology (ISBN:978-604-93- 8868-2)	Van Duong Do, Phu Hien La, Quang Minh Nguyen	Accepted
December, 2016	The performance evaluation of the INS/GNSS integrated navigation system with Analytic constraints	International Conference on GeoInformatics for Spatial-Infrastructure Development in Earth & Allied Sciences (GIS- IDEAS), Vietnam, 2016	Duong Thanh Trung, Nguyen Van Sang, Do Van Duong	Accepted

4.3. Research projects

Duration	Title of project	Administrative agency	Position/role in the project	Status (done/not yet)
2015-2017	To research the technology of integration and data processing of the INS/GPS system for training in Geomatics	Resource and environment	Project Manager	Done
2019	Research on optimal integration method of INS / GPS system to improve accuracy for point positioning	HaNoi University of Natural Resources and Environment	Project Manager	Done

4.4. Scientific and Technological awards

Year	Title of award	Organization awarded

4.5. Guiding PhD, Masters				
Full name of PhD/master	Title of thesis	Academic institute	Duration	Supervisor/co-supervisor
Dang Quy Nam	Application of the national network of Cors stations in determining the coordinates using virtual reference station technology in the area of Hanoi city	HaNoi University of Natural Resources and Environment	2020	Supervisor

4.6. Other information on science and technology	
Have participated in other organizations for reserach...	
Organizaton (s)	Position/role

5. Teaching	
5.1. Main teaching majors	Geodesy, Cadastre
5.2. Subjects	General Cadastre; Cadastral Surveying; Elementary Surveying; Cartography; Practice of Elementary Surveying; Practice of cadastral surveying

I pledge and take responsibility for the accuracy of the information provided in this scientific resume.

APPLICANT's INSTITUTION
(Sign, full name, and sealed)

Ha Noi, date 20 month 01 year 2021
APPLICANT
(Sign, full name)

Do Van Duong