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PhD supervisor



VU XUAN CUONG

Associate Professor

Ministry of Natural Resources and
Environment

**Ho Chi Minh City University of Natural
Resources and Environment**



Language(s): English, Russian, Vietnamese

Contact: HCMC University of Natural Resources and Environment

Phone: 84903381813 **E-mail:** vxcuong@hcmunre.edu.vn

Potential areas for PhD supervision:

- ~ GIS application in management, monitoring Natural Resources and Environment (NRE);
- ~ Automated map generalisation, multiscale database modeling and technological proposals for establishing Spatial Data Infrastructure (SDI).

Supervising experience:

3 PhD students
over 30 Master students.

Employment history in last 5 years:

2015 – present Ho Chi Minh City University of Natural Resources and Environment (HCMUNRE)

Membership of professional association:

- 2012 – present Vice Rector HCMUNRE, Viet Nam;
- 2015 – present Chairman of HCMC Geomatics Association, Ho Chi Minh City, Viet Nam;
- 2005 - 2012 Head of The Southern Sub-Department of Survey and Mapping (SSDOSM) – Ministry of Natural Resource and Environment (MONRE), Viet Nam;
- 2002 - 2005 Deputy Director of Southern Branch Office – Center of Information – MONRE, Viet Nam;
- 1994 - 2002 Engineer in Center of Information and Documentation Archives for Land Administration (CIDALA) – GDLA, Viet Nam;
- 1990 – 1994 Engineer in Center of Documentation Archives for Survey and Mapping (CDASM) – State Department of Survey and Mapping, Viet Nam;



Education – since bachelor degree:

- Doctorate of Geoinformatics, The Moscow State University of Geodesy and Cartography (MIIGAiK) – Moscow, Russia, 2003.
- Engineer of Computer Science, Ho Chi Minh City University of Technology (HCMUT), Ho Chi Minh City, Viet Nam, 1997.
- Engineer of Geodesy and Cartography, The Moscow Institute of Geodesy and Cartography (MIIGAiK) – Moscow, Russia (former Soviet Union), 1990.

Selected recent papers (2015-2020):

1. Nguyen Trong Nhan, **Vu Xuan Cuong** (2018). Using Google Earth Engine for monitoring forest change in Lam Dong province in the period 2010-2016. Proceedings of the 4th Science & Technology Conference HCMUNRE (SEMREGG2018) (ISBN 987-604-913-755-6), p.254-p.265.
2. Le Thien Bao, **Vu Xuan Cuong** (2018). WebGIS application for visualization HCMC air quality information. Proceedings of the 4th Science & Technology Conference HCMUNRE (SEMREGG2018) (ISBN 987-604-913-755-6), p.266-p.276.
3. Khanh N.V., **Cuong V.X.** et al. (2017). Inundation extent and flooded maps of vegetation in Cuu Long River delta using multi-temporal sentinel-1 data. International Conference on Geo-spatial technologies and Earth resources (GTER-2017) (ISBN: 978-604-913-618-4), p.109-p.118.
4. Nguyen Kim Hoa, **Vu Xuan Cuong** (2017). Applying GIS and multi-criteria evaluation (MCE) in developing priority maps for afforestation on Da Huoai river basin - Lam Dong province. Proceedings of the 15th Conference of Science & Technology HCMUT (ISBN 978-604-73-5642-3), p.85-p.93.
5. **Vu Xuan Cuong**, Do Minh Tuan (2017). Evaluating the gravitational field error when replacing gravity anomalies with discrete values. Journal of Science - Can Tho University, 52A, (2017) (ISSN 1859-233), p.1-p.5.
6. **Vu Xuan Cuong** and Le Minh Vinh (2017). Visualization of environmental monitoring data. Journal of Science - HCMC University of Education, June 14, 2017 (ISSN 1859-3100), p.120-p.130.
7. **Vu Xuan Cuong** (2017). Proposed approach to build multi-scale map database. Journal of Geodesy and Cartography (ISSN 0866-7705), 32, 6/2017, p.32-p.40.
8. **Vu Xuan Cuong**, Oznamets V. (2017). A modern approach to recovery of State height system of Southern area of Vietnam (in Russian). Journal “Geodesy and Aerial Photography” (ISSN 0536-101X), №5 2017, p.34-p.38.
9. **Vu Xuan Cuong** (2017). Current state of National height benchmarks in Southern area of Vietnam (in Russian). Journal “Geodesy and Aerial Photography” (ISSN 0536-101X), №2 2017, p.30-p.35.



10. **Vu Xuan Cuong** (2016). Proposal Solution for improvement of National Height Benchmarks in Southern area. International symposium on Geo-Spatial and Mobile Mapping Technologies (GMMT-2016) (ISBN 978-604-93-8868-2), p.228-p.232.
11. Nguyen Thi Hong Hanh, **Vu Xuan Cuong** (2016). Possibility and constraint parameters for automated generalization of Multi - scale base maps. Journal of Science and Technology - Vietnam Academy of Science and Technology. (ISSN 0866 708X), 54.4B / 2016, p.154-p.161.
12. Nguyen Thi Lan Thuong, **Vu Xuan Cuong** (2016). Generalization tools for road data layer on a large-scale topographic map. Science and Technology Development Magazine - VNU HCMC (ISSN 1859-0128), 19.K4-2016, p.59-p.66.
13. Vu Minh Tuan, **Vu Xuan Cuong** (2016). Application of GIS and Remote Sensing with Logistics regression to create landslide risks map in Lam Dong province. International symposium on Geo-Spatial and Mobile Mapping Technologies (GMMT-2016) (ISBN 978-604-93-8868-2), p.250-p.255.
14. **Vu Xuan Cuong** (2015). New procedure for location and establishment of height benchmarks in the southern region. Journal of Geodesy and Cartography (ISSN 0866-7705), June 2015, p.30-p.39.
15. **Vu Xuan Cuong**, Vu Van Thai, Tran Dinh Au (2015). The subsidence of national height benchmarks in Southern area and proposed solutions. Journal of Geodesy and Cartography (ISSN 0866-7705), March 2015, p.28-p.34.
16. Nguyen Thi Hong Hanh, **Vu Xuan Cuong** (2015). Convert polygon objects to centerline in ArcGIS. Proceedings of the 14th Conference of Science and Technology HCMUT (ISBN 978-604-73-3695-1), p.101-p.108.