**Curriculum Vitae**

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Department of Software Engineering

Faculty of Information Technology

Nha Trang University

02 Nguyen Dinh Chieu St., Nha Trang City, Vietnam

**EDUCATION**

##### **Hanoi University of Technology and Science**

##### MSc. in Computer Engineering, 2012.

##### **Nha Trang University**, Hanoi, Vietnam

B.A. in Computer Engineering, 2007.

**RESEARCH INTERESTS**

* WebGIS
* Phylogenetic and population genetics
* Bioinformatics
* Advance genomic analysis.

**RESEARCH EXPERIENCE**

1. *Conservation Genetics for Improved Biodiversity and Resource Management in a Changing Mekong Delta*. supported by NFS and USAID, serial number 2-7 Peer project, 2013 -2015
2. *Building a Mekong River Genetic Biodiversity Research Network*, supported by NFS and USAID, serial number 3-100 Peer Project, 2014-2017
3. *Advanced Genomic Support for Management Decisions in the 3-S River Basin*, supported by NFS and USAID, 2016-2017

**Grant Awarded**

*Russell E. Train Education for Nature Program Professional Development Grant “Advanced Bioinformatics analysis”, 4,500USD, Nov 2016 – Dec 2016*

**TEACHING RESPONSIBILITY**

# Undergraduate:

* Computer Graphics

# Graduate:

**PUBLICATIONS and PRESENTATIONS**

# Books:

# Journals:

1. B. T. Dang, Q. H. D. Vu, E. E. Biesack, T. V. Doan, O. T. Truong, T. L. Tran, A. S. Ackiss, B. L. Stockwell, K. E. Carpenter, Population genomics of the peripheral freshwater fish Polynemus melanochir (Perciformes, Polynemidae) in a changing Mekong Delta, Conservation Genetics, 2019
2. Dang Thuy Binh, Doan Vu Thinh, WebGIS for Reef Fishes Biodiversity at Nha Trang and Cam Ranh Bays in Khanh Hoa Province, Vietnam, Conference proceeding of International Conference on Biological, Environment and Food Engineering (BEFE-2015), 2015.
3. Truong Thi Oanh, Doan Vu Thinh, Dang Thuy Binh, Distribution and phylogenetic relationships of snappers (*Lutjanidae*) based on mitochondrial DNA sequences, Journal of Fisheries Science and Technology, Nha Trang University, Special issue 2015, 160-166

# Presentations:

1. Doan Vu Thinh, Truong Thi Oanh, Dang Thuy Binh, Comparative SNPs discovering methods for population genetics case study Boesemania microlepis in Mekong Delta, International conference on conservation genetics in mekong river basin (ICCGMRB – 2017), CanTho University, 3/2017
2. Vu Dang Ha Quyen, Truong Thi Oanh, Tran Linh Thuoc, Kent E. Capenter, Doan Vu Thinh, Dang Thuy Binh, Migratory pattern of Boesemania microlepis in Mekong Delta and management implication, International conference on conservation genetics in mekong river basin (ICCGMRB – 2017). CanTho University, 3/2017
3. Dang Thuy Binh, Vu Dang Ha Quyen, Truong Thi Oanh, Doan Vu Thinh, Tran Linh Thuoc, Thai Thi Lan Phuong, Amanda Ackiss, Brian Stockwell, Kent E. Capenter, Comparative phylogeography of Vietnamese Mekong fishes - Implications of population fragmentation and seawater intrusion, International conference on conservation genetics in mekong river basin (ICCGMRB – 2017). CanTho University, 3/2017
4. Doan Vu Thinh, Vu Dang Ha Quyen, Truong Thi Oanh, Tran Linh Thuoc, Dang Thuy Binh, Detection and Filtering Single Nucleotide Polymorphisms (SNPs) for fish population genetics in Mekong Delta, Conference proceeding of 2016 Annual meeting of the Ichthyological Society of Taiwan and the Asian Society of Ichthyologists, 5/2016
5. Vu Dang Ha Quyen, Thai Thi Lan Phuong, Truong Thi Oanh, Doan Vu Thinh, Tran Linh Thuoc, Dang Thuy Binh, High genetic diversity of Blackhand paradise (Polynemus milanochir, Bleeker 1852) populations in Mekong Delta, suggest adaptation to environmental change, Conference proceeding of 2016 Annual meeting of the Ichthyological Society of Taiwan and the Asian Society of Ichthyologists, 5/2016.
6. Quyen Vu Dang Ha, Oanh Truong Thi, Thuoc Tran Linh, Kent Carpenter, Thinh Doan Vu, Binh Dang Thuy, Applying EzRAD method for SNPs discovery in population genetics of freshwater and marine in the South of Vietnam, Conference Proceeding of World Academy of Science, Engineering and Technology (WASET.org), Melbourne, Australia, 11, 2015
7. Vu Dang Ha Quyen, Le Thi Nhan, Truong Thi Oanh, Thai Thi Lan Phuong, Dang Thuy Binh, Doan Vu Thinh. 2015. SNPS Discovery for population genetics of Blackhand paradise (*Polynemus milanochir*, Bleeker 1852) in Mekong Delta, Conference proceeding of Marine Biotechnology and Environment (MBE-2015), Nha Trang University, 6/2015
8. Thai Thi Lan Phuong, Vu Dang Ha Quyen, Truong Thi Oanh, Doan Vu Thinh, Dang Thuy Binh, Study on small scale croaker population structure (*Boesemania microlepis*, Bleeker 1858-1859) in Vietnam (An Giang, Tra Vinh) and Cambodia (Siemreap) base on SNPs makers, Conference proceeding of 2016 Youth Conference for Biotechnology and Environment, Nha Trang 10/2015 (in Vietnamese).
9. Vu Dang Ha Quyen, Truong Thi Oanh, Doan Vu Thinh, Tran Linh Thuoc, Kent Carpenter, Dang Thuy Binh, Study on adaptation of Blackhand paradise population structure (*Polynemus paradiseus*) at Mekong Delta base on outlier loci, Conference proceeding at 2016 Youth Conference for Biotechnology and Environment, Nha Trang 10/2015 (in Vietnamese).
10. Doan Vu Thinh, Dang Thuy Binh, Using WebGIS for biodiversity conservation for fresh water in Mekong Delta River, Vietnam, Conference proceeding at National Application GIS Conference, Can Tho, 11/2014 (in Vietnamese).
11. Doan Vu Thinh, Le Duc Phuong, Quach Duc Cuong, Using Web Technology for controlling devices via Internet, Conference proceeding of Fundamental and Applied IT Research (FAIR-2013), (in Vietnamese)
12. Quach Duc Cuong, Quan Yin, Chun Jie Zhou, Doan Vu Thinh, DC servo position controller design based on Direct Adaptive Fuzzy algorithm using dsPIC microcontroller. Conference proceeding of Vietnam Conference on Mechatronics (VCM-2012).
13. Doan Vu Thinh, Trinh Van Loan, Using FPGA in the MIPS architecture CPU design, Conference proceeding of Information Technology (in Vietnamese).