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## **EDUCATION**

*Nha Trang University*, Nha Trang, Vietnam

- Ph.D. in Naval Architecture and Marine Engineering, 2007.
- M.Sc. in Naval Architecture and Marine Engineering, 2000.
- B.E. in Naval Architecture and Marine Engineering, 1997.

## **RESEARCH INTERESTS**

- Finite element method
- Ship structural analysis
- Sloshing in ship tanks

## **TEACHING RESPONSIBILITY**

### **Undergraduate**

- Mechanics of Materials
- Finite Element Method

### **Graduate**

- Mechanics of Composite Materials

## **PUBLICATIONS and PRESENTATIONS**

### **Books:**

1. **Quach Hoai Nam** (2013), *Finite Element Method Practice with RDM code*, Vietnam Science and Technology Publisher.

## **Journals:**

1. **Quach Hoai Nam** (2001), “Some initial research results of displacement and internal load calculation in ship tank structure”, *Review of Science – Technology of Fisheries*, Number 1/2001, University of Fisheries, pp. 11-18.
2. **Quach Hoai Nam** (2003), “About the quadrilateral plate element in SAP program”, *Review of Science – Technology of Fisheries*, Number 2/2003, University of Fisheries, pp. 31-36.
3. **Quach Hoai Nam** (2005), “Natural frequencies of liquid inside rectangular tanks”, *Review of Science – Technology of Fisheries*, Number 1/2005, University of Fisheries, pp. 47-49.
4. **Quach Hoai Nam** (2005), “Effect of some factors on sloshing of liquid in ship tanks”, *Review of Science – Technology of Fisheries*, Number 3/2005, University of Fisheries.
5. **Quach Hoai Nam** (2006), “A finite element method for sloshing simulation”, *Review of Science – Technology in Fisheries*, Number 2/2006, University of Fisheries, pp. 3-8.
6. **Quach Hoai Nam** (2006), “Liquid sloshing pressure on ship tank walls”, *Review of Vietnam Mechanical Engineering*, 114, pp. 43-48.
7. Tran Cong Nghi, **Quach Hoai Nam** (2006), “Sloshing effect on stress in ship tank structures”, *Review of Vietnam Mechanical Engineering*, 115, pp.44-48.
8. **Quach Hoai Nam** (2009), “Modeling the sloshing in oil tanker with geometric characteristics accounted for”, *Transport Reviews Journal*, Number 3/2009, pp. 42-44.
9. Ngo Trong Luong, **Quach Hoai Nam** (2011), “The distribution of thermal stress in 4-stroke engine cylinders using finite element method”, *Review of Science – Technology in Fisheries*, Number 4/2011, Nha Trang University.

## **Presentations**

1. **Quach Hoai Nam** (2006), “A finite element method for sloshing simulation”, *Proceedings of National Conference on Engineering Mechanics and Automation*, pp. 159-170, Hanoi.