

Tran Gia Thai
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Naval Architecture Department
Faculty of Transportation Engineering
02 Nguyen Dinh Chieu Str., Nha Trang City, Vietnam

EDUCATION

Nha Trang University, Nha Trang, Vietnam
Ph.D. in Naval Architecture, 2004-2009

Nha Trang University, Nha Trang, Vietnam
B.E. in Naval Architecture, 1984-1989

RESEARCH INTERESTS

- Application of numerical and optimal methods in Naval Architecture
- Application of Computational Fluid Dynamics (CFD) in Naval Architecture
- Design of fishing vessel.
- Optimisation programming for fishing fleet

RESEARCH EXPERIENCE

- Design 5 models of stell fishing boats, Coordinator of National Fisheries Project – Ministry of Agriculture and Rural Development, 2015
- Manufacturing the open sea catching boat by Composite, Main Designer, Project P (Project for experiment of production), 2002
- Technology plan for oil overflow treatment, Main Designer, Coordinator, Project for independent experiment of production (State level 05/2002/ DADL-DF), 2005.
- Automation in design of Vietnamese fishing boats, Coordinator, Ministry Project, 2006
- Researching on processing of manufacture propeller by general - purpose mould in CNC milling-machine, Coordinator, Project for Ministry, 2008
- Researching on designing traditional fishing boats in Ninh Thuan Province, Coordinator, Province Project, 2014
- Application of Computational Fluid Dynamics (CFD) in numerical simulation instead of some experiments in Transportation Engineering, Coordinator, Project for University, 2015
- Researching on designing some models of cruise vessels with Khanh Hoa cultural features Coordinator, Province Project, 2016
- Optimisation Programming for Fishing fleet, Coordinator, Province Project, 2017

TEACHING RESPONSIBILITY

Undergraduate

- Ship Theory
- Ship structures and strength and Project
- Ship Design and project

Graduate

- Computational Fluid Dynamics (CFD)
- Structural Analysis by Finite Element Method
- Optimal Design

PUBLICATIONS and PRESENTATIONS

Books (in Vietnamese):

- Ship Theory, 2014.
- Ship Structure, 2010.
- Strength of Ship, 2010.
- Design of ship structure, 2010.
- Analysis ship structure using Finite Element Method
- Automation in ship design.

Journals (in English)

Presentations (in English)

Tran Gia Thai, “Determination the location of optimal line heating in heating process for hull plates”, 27th Asian-Pacific Technical Exchange and Advisory Meeting on Marine Structures 2013 – Keelung, Taiwan

Tran Gia Thai, “Approach, Algorithm and Program for optimal Design of Vietnamese Fishing boats”, 27th Asian-Pacific Technical Exchange and Advisory Meeting on Marine Structures 2013 – Keelung, Taiwan.

Tran Gia Thai, Tran Dinh Tu, “*Comparison of Ship Resistance and Flow for Vietnamese Fishing Vessels*”, National Science and Technology Conference on Mechanical – Transportation Engineering (NSCNET 2016).