

Huynh Le Hong Thai
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Faculty of Transportation Engineering
Nha Trang University,
02 Nguyen Dinh Chieu St.,
Nha Trang city, Vietnam.

EDUCATION

Technical University of Liberec, Liberec, Czech Republic.
PhD degree about Machinery and equipment, 2008-2014

Nha Trang University, Nha Trang, Vietnam

Engineer of Naval Architecture, 2004

RESEARCH INTERESTS

20014- until now: Ship design, noise and vibration

2008-2014: Diagnostic noise and vibration

2004-2008: Ship design

TEACHING RESPONSIBILITY

Undergraduate

1. Theory of ship
2. Ship constructure
3. Apply software for Naval architecture

Graduate

1. Ship Vibration
2. Technical diagnostic
3. Ship design
4. Machinery and equipments

PUBLICATIONS AND PRESENTATIONS

Journals

1. **Huynh Le Hong Thai**, Pavel Němeček; Sensitivity analysis and optimization disc brake by stress constraints; Journal Applied Mechanics

- and Materials Vols. 52-54 (2011) pp 583-588.
Doi:10.4028/www.scientific.net/AMM.52-54.583
2. **Huynh Le Hong Thai**, Dittrich Aleš and Dráb Ondřej; *Model Predict Vibration and Noise of Disc Brake*; Journal Applied Mechanics and Materials Vol. 232 (2012) pp 461-464,
Doi:10.4028/www.scientific.net/AMM.232.461
 3. **Huynh Le Hong Thai**, Phan Thanh Nhan; *Analysis stability of brake related to squeal by finite element method*; GRANT journal ISSN 1805-062X, 1805-0638.
ETTN 072-11-00002-09-4

Presentations

1. **Huynh Le Hong Thai**, *Sensitivity analysis and optimization the needle of knitting machine by stress constraint*, 7th International Conference - TEXSCI 2010, Liberec - Czech Republic, 6-8 September 2010.
2. **Huynh Le Hong Thai**, Pavel Brabec, *Applying CAE tool for analysis stress and optimization of the crankshaft in the internal combustion engine*, XLI International scientific conference of Czech and Slovak University departments and institutions dealing with the research of combustion engines, Liberec - Czech Republic, 6-7 September 2010.
3. **Huynh Le Hong Thai**, Pavel Němeček; *Sensitivity analysis and optimization disc brake by stress constraints*; International Conference on Mechanical Engineering, ICME 2011, Phuket – Thailand, 3-4 April 2011.
4. **Huynh Le Hong Thai**, Pavel Němeček, Phan Thanh Nhan: *Sensitivity analysis and optimization drum brake by stress constraints*; 16th International Conference "Mechanika - 2011", Kaunas – Lithuania, 7- 8 April 2011.
5. **Huynh Le Hong Thai**, Pavel Němeček, Phan Thanh Nhan: *Identify source vibration and noise of disc brake*, the 7th International Scientific Conference research and development of mechanical elements and system IRMES 2011, Zlatibor - Republic of Serbia, 27-28 April 2011.
6. Phan Thanh Nhan, **Huynh Le Hong Thai**: *Estimate the elastic modulus and strength of composites with Basalt woven fiber reinforcement and thermal silica*

- geopolymer matrix by ANSYS software*, Konference mechaniky kompozitních materiálů a konstrukcí na ČVUT, Praha - Czech Republic, 7 April 2011.
7. **Huynh Le Hong Thai**, *Methods analysis vibration and noise of car disc brake*, Vibration Problems ICOVP 2011: Supplement - The 10th International Conference on Vibration Problems, Technical University of Liberec (ICoVP-2011), Praha - Czech Republic, 5-8 September 2011.
ISBN: 8073727595, 978-80-7372-7598
 8. **Huynh Le Hong Thai**, *Simulation and experimental methods to identify vibration characteristic of disc brake squeal*, Workshop pro doktorandy FS & FT, Světlanka - Czech Republic, 19-22 September 2011, ISBN 978-80-7372-765-9.
 9. **Huynh Le Hong Thai**, Dittrich Aleš and Dráb Ondřej; *Model Predict Vibration and Noise of Disc Brake*; 3rd International Conference on Mechanical and Aerospace Engineering - ICMAE 2012, Paris – France, 7 - 8 July 2012.
 10. **Huynh Le Hong Thai**, Phan Thanh Nhan; *Analysis stability of brake related to squeal by finite element method*; Conference QUAERE 2012, Hradec Kralove, Czech Republic, 14-18 May 2012.
ISBN 978-80-905243-0-9.
 11. **Huynh Le Hong Thai**, *Influence of wear on brake squeal*, Workshop pro Doktorandy, Svetlanka - Czech Republic, September 2012, ISBN: 798-80-7372-891-5.
 12. **Huynh Le Hong Thai**, *Prediction disc brake squeals by microscopy method for surfaces pads*, *Scientific conference with international participation - Technologia Europea 2012*, Czech Republic, December 2012, ISBN: 978-80-905243-4-7.

Projects

1. Collaborators project MEDETOX (about vibration and noise) - Department of Vehicles and Engines – Technical University of Liberec- Czech Republic, 2011-2013.
2. Collaborators project SGS - Department of Vehicles and Engines – Technical University of Liberec- Czech Republic, 2011-2013.