



Contact Information

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Academic Position	Lecturer
Academic Degree	PhD
Faculty	Vehicle and Energy Engineering
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Fields of Expertise / Research Interests

Internal Combustion Engine
Mechanical Vibration, Rotor-dynamic analysis

Education Career

- 2002 Bachelor of Engineering, Major: Automobile-Engines Engineering, University of Technology, Vietnam National University – Ho Chi Minh City
- 2004 Master of Engineering, Major: Automotive Engineering University of Technical Education Ho Chi Minh City, Vietnam.
- 2004 Certificate of Completion CAD/CAM course, Yeungjin College, Korea.
- 2014 PhD Degree, Major: Mechanical Engineering, Yeungnam University, Korea.

Experience

- 2002 – 2010 Lecturer at Faculty of Automotive Engineering, University of Technical Education Ho Chi Minh City.
- 2005 – 2009 Deputy head of Engine Department
- 2011 – 2013 Research Assistant at Mechanical Engineering Department, Yeungnam University, Korea.

Publications

No	Project title/Field of research and application	Date of completion	Publisher	Publishing date
1	Research and Simulation of Hybrid Electric Drive System of Hybrid Electric Vehicle	2008	HCMC University of Technical Education	Director
2	Computation of Kinetics, Dynamics and Simulation for Power Split Device of Hybrid Electric Vehicle	2009	HCMC University of Technical Education	Director
3	The Study and Application Global	2010	HCMC University	Director

	Positioning System (GPS) of Vehicle for teaching and studying		of Technical Education	
4	Green Car Project	2013	Korea	Researcher
5	Study and Analysis of the Effect Factors on Dynamics of Rotor-Ball Bearing System of Air Conditioning Motor of Electric Vehicle	2015	HCMC University of Technical Education, Vietnam	Director

No	Publications	Author	Publisher	Publishing date
1	Experimental Investigation of Innovative Cooling System for Nouvo LX Scooter Using Minichannel Radiator	Nguyen Van Trang	Proceedings of the 4 th National Conference on Mechanical Science & Technology, Ho Chi Minh City	November 06, 2015
2	Dynamic Analysis of Rotor-Ball Bearing System of Air Conditioning Motor of Electric Vehicle	Van-Trang Nguyen	International Journal of Mechanical Engineering and Applications	2015
3	Nonlinear Modeling and Dynamic Analysis of Rotor-Ball Bearing System with Effect of Radial Internal Clearance	Van-Trang Nguyen	The 2 nd International Conference on Green Technology and Sustainable Development 2014	2014
4	Dynamic Model to Predict the Effect of Race Waviness on Vibrations Associated with Deep Groove Ball Bearing	Van-Trang Nguyen	Journal of the KSTLE, Korea.	2014
5	A Study on Dynamic Analysis of Rotor-Bearing System with the Effect of Number of Balls	Van-Trang Nguyen	Proceedings of KSTLE 56 th , Korea.	2013
6	Nonlinear Dynamics of an Unbalanced Rotor Bearing System of Electric Vehicle with Radial Internal Clearance	Van-Trang Nguyen	Proceedings of KSAE, Korea.	2013
7	Dynamic Behavior Analysis of a Rotor-Ball Bearing System with Nonlinear Bearing Stiffness Characteristic	Van-Trang Nguyen	Proceedings of WTC 2013, 5 th World Tribology Congress, Torino, Italy.	2013

8	Dynamic Analysis of Effect of Number of Balls on Rotor-Bearing System	Van-Trang Nguyen	Journal of the KSTLE, Korea.	2013
9	Implementation of Advanced Rotating Machinery Dynamics for Determination of Dynamic Behavior of Rotor-Bearing Systems	Van-Trang Nguyen	Proceedings of KSTLE 54 th , Korea.	2012

10	Study on Dynamic Behavior of an Unbalanced Rotor Supported on Deep Groove Ball Bearing	Van-Trang Nguyen	Proceedings of JSSUME 2012, Japan.	2012
11	Prediction of Unbalance Response for Rotor-Ball Bearing System Using Load-Dependent Nonlinear Bearing Stiffness	Van-Trang Nguyen	Proceedings of KSTLE 55 th , Korea.	2012
12	Dynamic Analysis of Rotor-Bearing System in BLDC Motor	Van-Trang Nguyen	Proceedings of KSTLE 52 nd , Korea.	2011
13	Influence of Radial and Axial Load on Stiffness Coefficient of Deep-groove Ball Bearings of 1.2 kW BLDC Motor	Van-Trang Nguyen	Proceedings of KSTLE 53 rd , Korea.	2011
14	Detecting the Bearing Fault in Brushless DC Motors	Van-Trang Nguyen	Proceedings of KSTLE 51 st , Korea.	2010

