

Nguyen Thanh Tuan
nguyenthanhtuan@ntu.edu.vn

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

EDUCATION

Technical University of Liberec - Czech

PhD degree about Engine and Automobile equipment

RESEARCH INTERESTS

Engine design
Alternative fuels
Automotive engineering

TEACHING RESPONSIBILITY

Undergraduate

1. Automobile theory
2. Automobile design by software.

Graduate

1. Automobile theory advance
2. Exhaust emission of automobile engine

PUBLICATIONS AND PRESENTATIONS

Books (in Vietnamese)

1. Trend of automobile development, 2016

Journals and Presentations

1. **Nguyen Thanh Tuan**, Compressed natural gas (CNG) as an alternative fuel for internal combustion engine, problems and propose technical solutions for growth CNG

- vehicles in Vietnam, XLI. International scientific conference of Czech and Slovak university departments and institutions dealing with the research of combustion engines, Czech republic. 2010. ISBN 978-80-7372-632-4
2. **Nguyen Thanh Tuan**, Applicability and development LPG vehicles in Vietnam. XLI. International scientific conference of Czech and Slovak university departments and institutions dealing with the research of combustion engines, Czech republic. 2010. ISBN 978-80-7372-632-4
 3. **Nguyen Thanh Tuan**, Stanislav Beroun, Performance of a spark ignition engine with difference LPG injection systems. 4th International mechanical engineering conference, Prague – Czech Republic 1st Feb. 2011. ISBN 978-80-213-2156-4
 4. **Nguyen Thanh Tuan**, Emission concentration of spark ignition engine using liquefied petroleum gas, The 7th International Conference on Automotive Engineering ICAE-7, Challenger, Impact, Muang Thong Thani, Bangkok – Thailand, March 28 – April 1, 2011.
 5. **Nguyen Thanh Tuan**, Calculation the movement and vaporization of the single liquefied petroleum gas droplet after injection into the intake manifold. 5th Annual International Travelling Conference, Tatranská Kotlina – High Tatras – Slovakia, 13th – 16th April 2011. ISBN 978-80-89347-04-9.
 6. **Nguyen Thanh Tuan**, Emission concentration of spark ignition engine using liquefied petroleum gas, before and after three way catalyst converter, 5th Annual International Travelling Conference, Tatranská Kotlina – High Tatras – Slovakia 13th – 16th April 2011, ISBN 978-80-89347-04-9
 7. **Nguyen Thanh Tuan**, Ho Duc Tuan, Nguyen Van Thuan, Exhaust emission of motorcycles engines running on ethanol blended gasoline, KOKA 2011 XLII. International scientific conference of Czech and Slovak university departments and institutions dealing with the research of combustion engines, September 8 - 9, 2011 – Zilina, Slovakia. ISSN 1337-8996
 8. Bui Tuan Viet, **Nguyen Thanh Tuan**, Chi-na Benyajati, FEM simulation of impact testing for aluminum alloy wheel, KOKA 2011 XLII. International Scientific Conference of Czech and Slovak university departments and institutions dealing with

the research of combustion engines, September 8 - 9, 2011 – Zilina, Slovakia. ISSN 1337-8996

9. **Nguyen Thanh Tuan**, Tran Viet Tien, Performance and emission of a motorcycle engine with bi-fuel petrol or ethanol, Světlanka Conference. 19-22.9 Rokytnice nad Jizerou - Czech Republic 2011, ISBN 978-80-7372-765-9
10. **Nguyen Thanh Tuan**, Biogas as a fuel for internal combustion engine in the Vietnam, Interdisciplinary Scientific Conference for Phd Students and Assistants, 14-18th may 2012, Praha, Czech republic. ISBN: 978-80-905243-0-9
11. **Nguyen Thanh Tuan**, Tran Viet Tien, Performance experiment of an automobile engine running on E85, Světlanka Conference, 17. - 20. září Rokytnice nad Jizerou - Czech Republic 2012, ISSN: 978-80-7372-891-5
12. **Nguyen Thanh Tuan**, Ondřej Dráb, Dittrich Aleš, Multi-point injection system of liquid LPG fuel: problem and solution to minimize icing around the injector nozzle tip, The International Conference Technologia Europea 2012. Praha, Czech Republic, December 11 - 14, 2012. ISSN: 978-80-905243-4-7
13. **Nguyen Thanh Tuan**, Tran Viet Tien, Biodiesel fuel for engines – effects of exhaust emission on the engine wear performance of lubricant, Interdisciplinary Scientific Conference for PhD Students and Assistants, 20. - 24. 5. 2013, The Czech Republic, ISBN: 987-80-905243-7-8
14. Beroun Stanislav, Brabec Pavel, Dittrich Aleš, Dráb Ondřej, **Nguyen Thanh Tuan**, Computational modeling of the liquid LPG injection into the suction manifold of an SI vehicle engine, 4th International Conference on Mechanical and Aerospace Engineering (ICMAE 2013), July 20-21, 2013, Moscow - Russia. ISBN 978 3 03785 833 2