



CURRICULUM Vitae



Full name: DO VAN DUNG

Institute: HO CHI MINH CITY UNIVERSITY OF TECHNOLOGY AND EDUCATION

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Other (WhatsApp, Line, WeChat):

Academic Institutions	Major	Year of graduation
The Moscow State Technical University, Russia	Automotive Mechatronic	1979
University of Sydney, Australia	Educational Management	2000
The Moscow State Technical University, Russia	Automotive Mechanical Engineering	1995
	Academic Institutions The Moscow State Technical University, Russia University of Sydney, Australia The Moscow State Technical University, Russia	Academic InstitutionsMajorThe Moscow State Technical University, RussiaAutomotive MechatronicUniversity of Sydney, AustraliaEducational ManagementThe Moscow State Technical University, RussiaAutomotive Mechanical Engineering

Expertise / Research Areas (identified by keywords):

- Automobile and engine control systems, electric and hybrid vehicles
- Renewable energy
- Technical education, Digital transformation in HE
- Educational philosophy.
- TVET management

Engagement (networks):

- The Chairman of the Council for review, assessment and acceptance of 20 Ministerial- level Projects.
- President of Ho Chi Minh City University of Technology and Education (2013 2021).

Publi	Publications:			
No.	Publications	First author or co-author	Name of publishers/No,Vol,Page	Year s
I	National Journals			
1	Applying LabVIEW software to communicate between PC and teaching model on electronic fuel injection engine	Co-author	Journal of Technical Education Science, HCMC University of Technology and Education, ISSN 1859-1272	2010
2	Compatifying the working characteristics of IC to ignite follow the program	Co-author	Journal of Transportation	2011
3	Design and manufacture the dual fuel LPG–diesel system for Ford Ranger diesel Engines.	Co-author	Journal of Technical Education Science, HCMC University of Technology and Education, ISSN 1859-1272	2011
4	Design, manufacture a color analyzer for cars	Co-author	Journal of Science and Technology of Technical Universities, No. 85	2011
5	Evaluating the working characteristics of the RV125-	Co-author	Journal of Vietnamese Mechanical Engineering No. 03 – 2012	2012

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	2 diesel engine for agricultural applications			
6	Study the capability using exhaust gas from bus engine to supply heat to LiBr-H2O absorption chiller for air conditioning	Co-author	Journal of Technical Education Science, HCMC University of Technology and Education, ISSN 1859-1272	2013
7	Study and evaluate some new methods for measuring engine speed	Co-author	Journal of Technical Education Science, HCMC University of Technology and Education, ISSN 1859-1272	2014
8	Research and Install the dual fuel CNG-Diesel Supply Control System on Small Diesel Engine	Co-author	Journal of Science and Technology Technical Universities No.100	2014
9	Study on the application of SEEBECK effect to recover waste heat of internal combustion engine through thermoelectric generator	Co-author	Journal of Technical Education Science, HCMC University of Technology and Education, No. 28 ISSN 1859-1272	2014
10	Study to create feeling of driving on model Steer-By- Wire	Co-author	Journal of Technical Education Science, HCMC University of Technology and Education, No. 31 ISSN 1859-1272	2015
11	Calculating the self- inductance electromotive force in the hybrid ignition system	Co-author	Journal of Technical Education Science, HCMC University of Technology and Education, No. 32 ISSN 1859-1272	2015
12	Study and manufacture the inductance energy accumulate system on cars	Co-author	Journal of Technical Education Science, HCMC University of Technology and Education, No. 32 ISSN 1859-1272	2015
13	Study on influence of LPG injection control parameters on engine efficiency and emissions of dual-fueled diesel engines (Lpg - Diesel)	Co-author	Journal of Technical Education Science, HCMC University of Technology and Education, No. 35A ISSN 1859-1272	2016

14	Research and application of fuzzy logic to control the exhaust gas recirculation and fuel in dual fuel engines (LPG - diesel)	Co-author	Journal of Technical Education Science, HCMC University of Technology and Education, No. 36 ISSN 1859-1272	2016
15	Study on methodology for experiment data collection on small motor	Co-author	Journal of Technical Education Science, HCMC University of Technology and Education, No. 39 ISSN 1859-1272	2016
16	Student engagement - a promising solution to quality improvement of Vietnamese Higher Education	Co-author	Journal of Technical Education Science, HCMC University of Technology and Education, No. 47 ISSN 1859-1272 (5/2018)	2018
17	Study on intake- compression process of Diesel Engine with unified combustion by using Ansys-ICE software		Journal of Transportation, No. 04, tr. P.105, 2019, ISSN: 2354 - 0818.	2018
18	Improving characteristics of diesel engine by changing the engine's	Co-author	Journal of Technical Education Science, HCMC University of Technology and Education, ISSN 1859-1272	2019
II	International Journals			
1	Development of Vietnamese vocational education teacher to adapt the industrial revolution 4.0	Co-author	Asian Journal of Interdisciplinary research	2019
2	A method to estimate and analyze the performance of the grid-connected photovoltaic power plant	Co-author	Solar Energy and Photovoltaic Systems, (ISI Q2), ISSN 1996- 1073.5/2020	2020

II	National/International Cont	ferences		
1	Analyzing the electric motor control of the hybrid car in sliding conditions	Co-author	International conference on Automobile, Moscow-MAMI, 2011	2011
2	Identifying the adaptation of parameters of electric motors in hybrid cars	Co-author	International conference on Automobile Moscow-MAMI, 2011	2011
3	Study, determine the heat of exhaust gas on the gasoline engine through excess air factor	Co-author	National Conference on Fluid Mechanics	2013
4	An overview of research and proposed an experiment model of regenerative braking system applied to conventional vehicles	Co-author	Proceeding of International Conference on Green Technology and Sustainable Development 2014 - HCMUTE 30-31/10/2014	2014
5	Designing and prototyping a combined ignition system which is applied in motorbike	Co-author	Proceeding of International Conference on Green Technology and Sustainable Development 2014 - HCMUTE 30-31/10/2014	2014
6	Applying the SEEBECK effect to recover waste heat of internal combustion engine	Co-author	Proceedings of National conference on fluid mechanics 7/2014, Phan Rang - Thap Cham (ISSN 1859-4182)	2014
7	Applying the AVL Boost software to simulates and calculate the operating modes on dual fuel (LPG- diesel) engines.	Co-author	Proceedings of National conference on fluid mechanics 7/2014, Phan Rang - Thap Cham (ISSN 1859-4182)	2014
8	Experimenting and evaluating the capacity and emission level of the VIKYNO RV125 engine using CNG- diesel dual fuel	Co-author	Proceedings of National conference on fluid mechanics 7/2014, Phan Rang - Thap Cham (ISSN 1859-4182)	2014

9	Study, design and simulate the dynamics of energy recovery from the brakes on the car	Co-author	Proceedings of the 4th National Conference on Science and Technology in Mechanical Engineering in 2015– Tập 1, ISBN 978-604-73-3690-6	2015
10	Experimental study on the recovery of regenerative braking energy applied to cars with traditional drive- train	Co-author	Proceedings of the 4th National Conference on Science and Technology in Mechanical Engineering in 2015 – Vol. 1, ISBN 978-604-73-3690-6	2015
11	Studying the hybrid ignition model	Co-author	Proceedings of the 4th National Conference on Science and Technology in Mechanical Engineering in 2015 – Vol. 1, ISBN 978- 604-73-3690-6	2015
12	Overview of the capability of using hydrogen fuel to improve efficiency and reduce engine exhaust emissions in dual fuel technology on gasoline engines.	Co-author	Proceedings of the 4th National Conference on Science and Technology in Mechanical Engineering in 2015, Vol. 1,ISBN 978-604- 73-3690-6, TPHCM 2015	2015
13	The role of the key technical education university in the fundamental and comprehensive renewal of technical and ocational education.	First author	Proceedings of a scientific workshop on vocational education in Vietnam before the requirement of basic and comprehensive reform, published in May 2015.	2015
14	Treatment Exhaust Gas From Engine by Plasma at Atmospheric Pressure	Co-author	The 3rd International Conference on Green Technology and Sustainable Development, GTSD 2016, 24-25 November 2016, Taiwan	2016

15	Research on kinetic energy recovery of conventional vehicle based on regenerative braking system	Co-author	International Multi- conference on Engineering and Technology Innovation 2016, Taichung, Taiwan 28/10-01/11/2016	2016
16	Analytical Design of PID Controller for Enhancing Ride Comfort of Active Vehicle Suspension System	Co-author	Proceedings of IEEE International Conference on System Science and Engineering 2017, CD ISBN 978-1-5386- 3421-9, HCMUTE, 21-23/7/2017	2017
17	Effects of Resistance, Capacitance and Self- Inductance on Accumulated Energy in the Hybrid Ignition System	Co-author	Proceedings of IEEE International Conference on System Science and Engineering 2017, CD ISBN 978-1-5386- 3421-9, HCMUTE,21-23/7/2017	2017
18	Research on Using PID Algorithm to Control Simulation Model of Regenerative Braking System Based on Driving Cycles	Co-author	Proceedings of IEEE International Conference on System Science and Engineering 2017, CD ISBN 978-1-5386- 3421-9, HCMUTE,21-23/7/2017	2017
19	Experimental Research on Fuel Control System of Internal Combustion Engine Using Dual Fuel LPG – Diesel	Co-author	Proceedings of IEEE International Conference on System Science and Engineering 2017, CD ISBN 978-1-5386-3421-9, HCMUTE,21-23/7/2017	2017
20	Experimental Study of Alternative Mini-channel Heat Exchanger for Scooter Radiator	Co-author	International Journal of Emerging Research in Management &Technology, Vol. 6, Issue 4, 4/2017 pp. 46- 50, 2278-9359	2017
21	Effect of capacitor on the hybrid ignition system	Co-author	Proceedings of First International Conference on Material, Machines and Methods for Sustainable Development, Da Nag, 18-19 May 2018, pp 314- 320, ISBN 978-604-95-0502-7	2018

22	Estimation of the Accumulated Energy in the Hybrid Ignition System	Co-author	Proceedings of 4th International Conference on Green Technology and Sustainable Development 2018, HCMC Nov 2018, pp 201- 206, ISBN-USB: 978-1-5386-5125- 4	2018
23	Research on Braking Force Distribution in Regenerative Braking System Apply to Conventional Vehicle	Co-author	Proceedings of 4th International Conference on Green Technology and Sustainable Development 2018, HCMC Nov 2018, pp 48-52, ISBN-USB: 978-1-5386-5125- 4	2018
24	Evaluation of RV165-2 Engine Performance	Co-author	Proceedings of 4th International Conference on Green Technology and Sustainable Development 2018, HCMC Nov 2018, pp 284- 290, ISBN-USB: 978-1-5386-5125- 4	2018
25	Improve Intake Port/Valve Of RV165-2 Engine By Simulation Method	Co-author	International Conference on Fluid Machinery and Automation Systems - ICFMAS2018, Hanoi City, Vietnam, pp. 539-544, 2018.	2018
26	A Review of the Applicability of Hydro Fuel to Improve the Engine Performance and Reduce Engine Emissions in Dual- Fuel Technology of Gasoline Engine	Co-author	International Journal of Emerging Research in Management &Technology ISSN: 2278-9359 (Volume-7, Issue-3), March 2018	2018
27	Performance characteristics of small Diesel DI engine using different geometry intake parts	Co-author	Journal of Key Engineering Materials (KEM), 2019, ISSN: 1013 -9826. (Scopus).	2019

28	Robust Observer Design and Fault Reconstruction for Wind Energy Conversion System: SOS Approach	Co-author	IEEE ICSSE 2019 proceedings		2019
29	Dynamic Stability Improvement Issues with a Grid-Connected Micro grid System	Co-author	IEEE ICSSE 2019 proceedings		2019
ш	Textbooks and monograph	ıs			
1	Repair and maintenance of diesel engines	Co-author	Scientific and technic publishing house	al	2010
2	Electronic fuel injection system of motorcycle	Co-author	University of Technol Education, Ho Chi M	ogy and inh City	2010
3	Electric motor and motor control	First author	Publisher of Vietnam University	National	2013
4	Introduction to automotive technology	First author	University of Technology and Education, Ho Chi Minh City		2014
5	Handbook of gasoline injection and electronic fuel injection systems in Vietnam	Co- author	or University of Technology and Education, Ho Chi Minh City		2014
6	Electric system of the vehicle body and automatic control system in the car	First author	University of Technology and Education, Ho Chi Minh City		2014
7	English - Vietnamese automotive dictionary	Co- author	University of Technol Education, Ho Chi M	ogy and inh City	2016
8	Textbook on computer- controlled systems in cars	Co- author	University of Technol Education, Ho Chi M	ogy and inh City	2016
Awaro	ds:				
No	o Form and content of the prize Awarde			Awarde	ed year
1	Design, manufacturing teaching model on the electronically controlled automatic Transmission - Vietnam Fund for Scientific and Technological Creations (VIFOTEC) Award			09	
2	Scientific and Technological Creations (VIFOTEC) AwardResearch, design, manufacture auxiliary control system to adapt the operating characteristics of air inlet sensor on gasoline engine - Second prize of creative ward for science and technology of Ho Chi Minh City.200				09

Res	Research Grants (continued):					
I. Pr	I. Projects, research results are applied in practice					
No.	. Project's names Form, scale and applied technology addresses					Year
1	Teaching model of multi- function gasoline engine	Teaching models the Colleges, cor	of fuel in of fuel in	jection at	20)09-2010
2	Teaching model of the automatic transmission	Teaching models transmission at th companies	of the aune College	itomatic es and	2	010
3	Transmitter and intake air sensor	Transmitter and i the colleges and	ntake air companie	sensor at es	2	010
II. Pi	rojects that self-presided o	r participated in t	he last 5	years		
No.	No. Project's names			Project leve	əl	Status of the project
1	Application of IoT technology in monitoring, control and management of integrated		2019	Ministerial- level Project		Under progres s
2	 ² Upgrading the Journal of Science and Technology Education, Ho Chi Minh City University of Education and Training to join the Southeast Asian citation system - ACI 		2020	Ministerial- level Projec	ct	Under progres s
3	 B2016.SPK.03 Studying and manufacturing the dual-fuel system hydrogen-gasoline on the internal combustion engine using solar energy applications direct electrolysis of water to provide hydrogen fuel source 		2016- 2018	Ministerial- level Project		Excell ent
4	B2015.22.04NV Assess the current situation and propose the enrolling innovation solutions in professional secondary schools		2015- 2017	Ministerial- level Project		Excell ent
5	5 Studying and manufacturing the model of electric thermoelectric generators in cars using heat from exhaust gas of engines		2014	University lev Key Project T2014-23TĐ	rel	Good
6	Compiling databases, design integrating dictionary and English for automotive tech	gning software to support learning nology students	2013	University le Key Project T2013-25T	evel	Good

7	Study and manufacture the communicate circuit using to managing practice teaching in gasoline engine spraying remotely	2011	University level Key Project T2011-13TĐ	Good
8	Study and manufacture the teaching model using digital information system in cars	2010	University level Project T2010-28	Good
9	Study, design and manufacture the auxiliary control systems to adapt the working characteristics of the intake sensors on gasoline injection engines	2009-2010	Science and Technology Department of Ho Chi Minh City	Good
10	Studying and manufacturing the dual fuel (diesel-LPG) diesel engine for trucks and mini buses.	2008-2010	Ministerial- level Project B2008-22- 31	Good