

BÀI BÁO CÔNG BỐ VÀ THAM GIA HỘI NGHỊ QUỐC TẾ

STT	Tên công trình khoa học	Tên tạp chí/Hội nghị	Tác giả/nhóm tác giả	Năm xuất bản
1	In-process Measurement of grinding wheel wear by using compressed air.	ICAT 2005; Số 028	XuanSon Phung VanDien Hoang VietTiep Nguyen VanDich Tran	2005
2	A study of the dynamic response of an aluminum plate due to the water jet impact.	SNAME 23th Conference, Kaoshung, Mar. 7-8, 2011.	AnhTu Nguyen	2011
3	A numerical study of the impact of high-speed water jet.	SNAME 24th Conference, Taipei, Mar. 10-11, 2012.	AnhTu Nguyen	2012
4	Bounds on the ranges of the conductive and elastic properties of randomly inhomogeneous materials	Philosophical Magazine	VanLuat Nguyen	2013
5	A numerical study on high-speed water jet impact.	Ocean Engineering Journal, Vol. 72, pp 98-106. ISSN: 0029-8018.	AnhTu Nguyen	2013
6	A numerical study of underwater explosion bubble.	Advanced Material Research. Vols. 706-708, pp 1734-1737. ISSN: 1662-8985.	AnhTu Nguyen	2013
7	Damage study of a surface ship under the process of underwater explosion bubble collapse and jet impact.	SNAME 25th Conference, Chengkung, Mar. 16-17, 2013.	AnhTu Nguyen	2013
8	Study the coefficient of energy transfer from hammer to pile driven in two layers foundation base, pile bearing side friction q_1 # q_2 pile bottom encounters constant resistance	Applied Mechanics and Materials	ChiCong Truong	2013

9	Study of vibration energy of the pile driven in two layers foundation base, pile bearing side friction $q_1 \neq q_2$ pile bottom encounters constant resistance	Applied Mechanics and Materials	ChiCong Truong	2013
10	A numerical study on the underwater explosion bubble pulsation and collapse process.	Ocean Engineering Journal, Vol. 81, pp 29-38.	AnhTu Nguyen	2014
11	Study the stress in the pile driven in two layers foundation base	Energy Education Science and Technology Part A: Energy Science and Research	ChiCong Truong	2014
12	Effects of gas injection on Microstructure formation and Mechanical properties of A380 aluminum alloy	Hội nghị đúc Châu á lần thứ 13. The 13th Asian Foundry Congress (AFC-13)	QuocTuan Nguyen HongHai Nguyen HongNhung Nguyen	2015
13	A study on friction and wear properties of Si-incorporated diamond-like carbon and tungsten carbon carbide coating under dry contacts with steel	The 15 th International symposium on Eco-materials Processing and Design	DucQuy Tran DucCuong Pham QuangDinh Nguyen Kim Doo-in	2015
14	Micro/nano hierarchical structure for enhancing hydrophobicity of polymeric surface	The 15 th International symposium on Eco-materials Processing and Design	DucQuy Tran DucCuong Pham TienSon Bui QuangDinh Nguyen Yoon Eui-Sung	2015
15	A Self-optimizing Control for Intelligent CNC Machine Tools	The 7th AUN/SEED-Net Regional conference in mechanical and manufacturing engineering, trang 141-145.	TienDung Hoang NgocHien Tran HuyNinh Nguyen Park Hong Seok	2015

16	Optimizing cutting conditions in high speed milling using evolution algorithms	The 7th AUN/SEED-Net Regional conference in mechanical and manufacturing engineering, trang 146-150	TienDung Hoang NgocHien Tran HuyNinh Nguyen VanDich Tran ThanhBinh Nguyen	2015
17	Design and Manufacturing the Air Rotary Bearing Using In Standard Torque Machine	ISEPD 2014; ISBN 978-89-5708-236-2	VanDuy Vu - Same Author	2015
18	Effect of fabrication parameters on micro-structure and mechanical properties of CrN coating deposited on steel by a pulsed magnetron	Proceeding of 70th STLE Annual Meeting & Exhibition, Texas, USA	DucCuong Pham DucQuy Tran VanDua Tran HongTuan Pham	2015
19	Control of Structural Acoustic Radiation Based on Topography Optimization	Journal of Automation and Control Engineering Vol. 3, No. 3, June 2015	KhacTrung Chu	2015
20	Acoustic radiation analysis of topographically optimized structure using the direct boundary element method	Advances in Mechanical Engineering 2015, Vol. 7(5) 1–12 □ The Author(s) 2015 DOI: 10.1177/1687814015584279 aime.sagepub.com	KhacTrung Chu	2015
21	A Study on Toolpath Optimization for Face Milling Operation on CNC Machine to Improve Flatness of Wide Surface	Journal of Science and Technology, 112 (2016) 034-038.	AnhTu Nguyen	2016
22	Multi - Objective Optimization of Centerless Grinding Process for 20X - Carbon Infiltration Steel By Genetic And Generalized Reduced Gradient Algorithms	American Journal of Engieneering Research, Volume-6, Issue-1, pp 91-96	DucTrung Do Cuong Ngo DinhMan Nguyen QuocTuan Nguyen BuiKhoi Phan	2017
23	Implement a Modified Viscoplasticity Based on Overstress Model into Numerical Simulation of the Incremental Sheet Forming Process	AETA: Recent Advances in Electrical Engineering and Related Sciences – Springer, PP	ThiMinhHue Pham VanSy Le	2016

24	Surface quality analysis of die steels in powder-mixed elect	Advances in Mechanical Engineering 2016, Vol. 8(7) 1–13	TienLong Banh HuuPhan Nguyen Cuong Ngo DucToan Nguyen	2016
25	Atomistic simulation of free transverse vibration of graphene, hexagonal SiC, and BN nanosheets	Institute of Mechanics, Chinese Academy of Sciences and Springer-Verlag Berlin Heidelberg 2016	ThanhLam Bui DanhTruong Nguyen HaiLe Bui MinhQuy Le	2016
26	Investigation of temperature effects on nanoscale water droplet separation from a nozzle plate and impingement onto a fixed solid plate	Simulation: Transactions of the Society for Modeling and Simulation International 1–9	VanQuang Nguyen Jaw-Wen Lin	2016
27	Analysis on the Formation AlN Particles via Gas/Liquid Reation <i>in-situ</i>	International Journal of the Energy Technology and Advanced Engineering (11-2016)	HongHai Nguyen QuocTuan Nguyen	2016
28	Characteristics optimization of powder mixed electric discharge machining using titanium powder for die steel materials	Proc IMechE Part E: J Process Mechanical Engineering 2017, 0(0) 1–18	TienLong Banh HuuPhan Nguyen Cuong Ngo DucToan Nguyen	2017
29	POLARIZATION APPROXIMATIONS FOR ELASTIC MODULI OF ISOTROPIC MULTICOMPONENT MATERIALS	JOURNAL OF MECHANICS OF MATERIALS AND STRUCTURES Vol. 12, No. 4, 2017, page 391 - 406	DucTrinh Pham NguyenQuyet Tran AnhBinh Tran	2017

30	A study on surface modificatin for tribological application in MEMS	Proceedings of the 2017 International Conference of Systems Science and Engineering (ICSSE 2017), pp. 1-4	DucCuong Pham.	2017
			DucQuy Tran	
			Eui-Sung Yoon	
31	Evaluation of Measurement Uncertainty for Torque Standard Machine Using Air Rotary Bearing.	Applied Mechanics and Materials (AMM), Vol.870, pp.215-222.	VanDuy Vu	2017
			ToanThang Vu	
			VanHung Pham	
32	Multi-objective optimization of improved magnetic abrasive finishing of multi-curved surfaces made of SUS202 material	Int J Adv Manuf Technol (2017) 88:381 – 391 DOI 10.1007/s00170-016-8773-3	NhatTan Nguyen	2017
			TrongNhan Tran	
			GS. Shaohui Yin	
			MinhQuang Châu	
			DucHieu Le	
33	Energy absorption characteristics of sandwich structures with composite sheets and bio coconut core	Composites Part B: Engineering Volume 114, 1 April 2017, Pages 328-338	ThS. Liu Tai Qu	2017
			GS.TS. Hou Shu Quan	
			XuanTruong Nguyen	
			GS.TSKH. Han Xu	

34	Effects of various defects on the mechanical properties of black phosphorene	Superlattices and Microstructures journal, pp. 186-199. Homepage: www.elsevier.com/locate/superlattices	DanhTruong Nguyen	2017
			MinhQuy Le	
			ThanhLam Bui.	
35	Study on the Development of AlN Particles Synthesized by Gas/Liquid Reaction In Situ	2017 Trans Tech Publications, Switzerland doi:10.4028/www.scientific.net/KE.M.753.71 ISSN: 1662-9795, Vol. 753, pp 71-77	HongHai Nguyen.	2017
			QuocTuan Nguyen.	
36	Surface Layer Analysis of Hot-Forging Dies After Die-Sinking Electrical Discharge Machining Using Copper and Titanium Electrodes	Engineering and Technology; 4(6). Tr. 70-75.	HuuPhan Nguyen	2017
			VanDong Pham	
			XuanSon Phung.	
37	Experimental Investigation of Surface Roughness of SKD11 Die Steel during Die- Sinking EDM Process using Copper Electrode	Journal of Chemical and Pharmaceutical Research, 9(10), Tr. 59-69	HuuPhan Nguyen	2017
			VanDuc Nguyen	
			VanBong Pham	
38	Investigation of A5052 aluminum alloy to SS400 steel by mig welding process	Proceedings of Scientific Committee of the InternationalConference on Advances in Computational Mechanics, Acome 2017 ISBN 978-981-10-7148-5 DOI:10.1007/978-981-10-7149-2	ThiMinhHue Pham	2017
			VanThinh Nguyen	
			QuocManh Nguyen	
			ThiHuongThao Dang	
			KhacThong Nguyen	
			GS.Chour Huang, Shyh-	
			VanNhat Nguyen	

39	Predictive Surface Roughness of Workpiece in Surface Grinding	American Journal of Materials Research 2017; 4(6): 37-41	DucTrung Do	2017
			VanThien Nguyen	
			TienDung Hoang	
40	Application of the 5-dof robot for grinding the cutting blade of the curved-tip medical surgical scissor	American Journal of Engineering Research, Volume-6, Issue-8, pp-103-111	BuiKhoi Phan	2017
			VanTham Le	
			NgocTuyen Bui	
			DucTrung Do	
41	Taguchi optimization of multi-objective powder mixed electrical discharge machining using titanium powder by Topsis method	The First International Conference on Material, Machines and Methods for Sustainable Development - MMMS2018, p166-174	HuuPhan Nguyen	2018
			TienLong Banh	
			DucQuy Tran	
			VanDong Pham	
42	Separation criteria of nanoscale water droplets from a nozzle plate surface	MATEC Web of Conferences, Volume 169, Article Number: 01016, PP: 00-13, 2018	VanQuang Nguyen	2018
			Jau-Wen Lin	
			XuanSon Phung	

43	Some Results on the Factor of the Surface Details When Turning C40 Steel Current	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE), Volume 15, Issue 3, pp.21-25	VanTrinh Pham	2018
44	Investigation of the Effects of Technological Parameters on Surface Roughness in Extrusion Bars of Aluminum Alloy	First International Conference on Material, Machines and Methods for Sustainable Development - MMMS2018. Vol 2, pp.990-995	TrongMai Nguyen	2018
			DucQuy Tran	
			VanNghe Pham	
			VanCanh Nguyen	
45	Predictive Surface Roughness of Workpiece in Cylindrical Grinding	The first international conference on material, machines and methods for sustainable development, Vol 2, pp.831-837	DucTrung Do	2018
			XuanSon Phung	
46	Calculating Cutting Force in Grinding	The first international conference on material, machines and methods for sustainable development, Vol 2, pp. 918-923	DucTrung Do	2018
			VanThien Nguyen	
			TienDung Hoang	
			XuanSon Phung	
47	A study on the effect of Ti target poisoning to TiN coating deposited by a DC magnetron sputtering	Proc The first international conference on material, machines and methods for sustainable development, VOL 1, 2018, 144-149 ISBN: 978-604-95-0502-7	QuangDinh Nguyen	2018
			DucQuy Tran	
			ChiBao Nguyen	
			DucCuong Pham	

48	Determine the ram speed and billet temperature to ensure the simultaneous two indicators surface roughness and extrusion pressure when extruding aluminum alloy	International Conference on Engineering Research and Applications, ICERA 2018, LNNS 63, pp. 253–260	TrongMai Nguyen	2018
			DucQuy Tran	
			VanNge Pham	
			DoDuc Trung	
49	A Study on Calculation of Surface Roughness in External Plunge Centerless Grinding Process in External Plunge Centerless Grinding Process	Sylwan journal, Vol 162, Issue 8, pp. 56-60	DoDuc Trung	2018
			VanThien Nguyen	
			TienDung Hoang	
50	A Study on Calculating Grinding Temperature	International Conference on Engineering Research and Applications, ICERA 2018, LNNS 63, pp84-90	DucTrung Do	2018
			VanThien Nguyen	
			TienDung Hoang	
			QuocHung Tran	
51	Determine cutting force after surface roughness measurement in grinding	International Conference on Engineering Research and Applications, ICERA 2018, LNNS 63, pp. 246–252	DucTrung Do	2018
			DinhMan Nguyen	
			XuanSon Phung	
52	An Experimental Investigation of dynamic cutting Forces in the stable milling processes	International Conference on Engineering Research and Applications	NhuTung Nguyen	2018
			GS. Yung-Chou Kao	
			GiaThinh Bui	
			Quan Nguyen	
			QuocManh Nguyen	
			TheVinh Do	
53	An integrated generalized discriminant analysis method and chemical reaction support vector machine model (GDA-CRSVM) for bearing fault diagnosis	Advances in Production Engineering & Management Vol. 12(4), pp. 321-326	VietHung Nguyen	2017
			Prof. Cheng Jun Sheng	
			VanTrong Thai	
54	Identification of Bearing Fault Signal based on Adaptive Feature Extraction and Optimal ACROSVKF Classification Model	International Journal of Engineering Science and Computing Vol. 7(12), pp. 15739-15749	VietHung Nguyen	2017
			Prof. Cheng Jun Sheng	
			VanTrong Thai	
			XuanChung Nguyen	

55	An architecture of deep learning network based on ensemble empirical mode decomposition in precise identification of bearing vibration signal	Journal of Mechanical Science and Technology Vol. 33(1), pp. 41-50	VietHung Nguyen	2019
			Prof. Cheng Jun Sheng	
			Prof. Yang Yu	
			VanTrong Thai	
56	Adaptive PD networks tracking control with full-state constraints for parallel manipulators	17th World Congress of International Fuzzy Systems Association and 9th International Conference on Soft Computing and Intelligent Systems (IFSA-SCIS), Japan	VanTruong Nguyen	2018
			GS. Chyi-Yeu Lin	
			GS. Shun-Feng Su	
			Ngoc-Quan Nguyen	
			Quoc-Viet Tran	
57	Real time human tracking using improved cam-shift	17th World Congress of International Fuzzy Systems Association and 9th International Conference on Soft Computing and Intelligent Systems (IFSA-SCIS), Japan	Ngoc-Quan Nguyen	2018
			GS. Shun-Feng Su	
			Quoc-Viet Tran	
			VanTruong Nguyen	
			GS. Jin-Tsong Jeng	
58	Real-time non-contact breath detection from video using adaboost and lucas-kanade algorithm	17th World Congress of International Fuzzy Systems Association and 9th International Conference on Soft Computing and Intelligent Systems (IFSA-SCIS), Japan	NgocQuan Nguyen	2018
			GS. Shun-Feng Su	
			QuocViet Tran	
			VanTruong Nguyen	
			ThS. Jin-Tsong Jeng	
59	Real-time object recognition and camera pose estimation	18th International Symposium on Advanced Intelligent Systems (ISIS), Korea	QuocViet Tran	2018
			GS. Shun-Feng Su	
			GS. Chen-Chia Chuang	
			VanTruong Nguyen	
			NgocQuan Nguyen	
60	Adaptive Position/Force control for robot manipulators using force and velocity observer	Journal of Control, Automation and Electrical Systems	DinhHieu Phan	
			MinhTuan Dao	
			VanCuong Pham	

61	Effective conductivity of isotropic with Kapitza thermal resistance	Vietnam Journal of Mechanics, ISBN:0866-7136, pp 377-385	VanLuat Nguyen	2018
			TrungKien Nguyen	
			DucChinh Pham	
62	Influence of Microtexture on Early Plastic Slip Activity in Ti-6Al-4V Polycrystals	Metallurgical and Materials Transactions A, Volume 49, Issue 6, June 2018, pp 2048–2056	TS. Samuel Hémerly	2018
			VanTruong Dang	
			TS. Loïc Signor	
			GS. Patrick Villechaise	
63	Optimizing SVM's parameters based on Backtracking search optimization algorithm for gear fault diagnosis	Journal of Vibroengineering, Vol. 21, Issue 1, p. 66-81, 2019	VanTrong Thai	2019
			GS. Cheng JunSheng	
			VietHung Nguyen	
			ThiPhuongAnh Dao	
64	Fused feature representation based on bottleneck sparse autoencoder for multi-source data in gear fault diagnosis	The International Journal of Engineering and Science, Vol. 7, Issue 12 Ver.II, PP 01-08, 2019	VanTrong Thai	2019
			GS. Cheng JunSheng	
			VietHung Nguyen	
			DuyTrinh Nguyen	
			ThiPhuongAnh Dao	

65	Application of TOPSIS to Taguchi method for multi-characteristic optimization of electrical discharge machining with titanium powder mixed into dielectric fluid	The International Journal of Advanced Manufacturing Technology, Vol.8, Issue3-5, pp.1179–1198, 2018	HuuPhan Nguyen	2018
			VanDong Pham	
			NgocVu Ngo	
66	Die steel surface layer quality improvement in titanium μ -powder mixed die sinking electrical discharge machining	The International Journal of Advanced Manufacturing Technology, Vol.89, Issue9-12, pp.1179–1198, 2018	DucToan Nguyen	2019
			HuuPhan Nguyen	
			TienLong Banh	
67	ANALYSIS OF SURFACE LAYERS OF HOT – FORGING DIES OF SKD61 STEEL FABRICATED BY DIE – SINKING ELECTRICAL DISCHARGE MACHINING USING COPPER AND TITANIUM ELECTRODES	Journal of Science and Technology 54 (5A) (2016) 19-26	HuuPhan Nguyen	2018
			Cuong Ngo	
			TienLong Banh	
68	Step-by-step surface roughness formation during shot peening and subsequent grinding with flap wheels	International Conference on Aviamechanical Engineering and Transport (AviaENT 2018). Advances in Engineering Research, volume 158	XuanSon Phung	2018
			Koltsov Vladimir/Irkutsk, Russia	
			Starodubtseva Daria/Irkutsk, Russia	
			Le Tri VinhIrkutsk, Russia	

69	Online monitoring of surface roughness and grinding wheel wear when grinding Ti-6Al-4V titanium alloy using ANFIS-GPR hybrid algorithm and Taguchi analysis	Precision Engineering	DuyTrinh Nguyen	2018
			XuanSon Phung	
			AnhDuc Le	
			Yin Shaohui	
			Qingchun Tang	
70	A new method for online monitoring when grinding Ti-6Al-4V alloy	The International Journal of Advanced Manufacturing Technology	DuyTrinh Nguyen	2018
			XuanSon Phung	
			Yin Shaohui	
			AnhDuc Le	
			NhatTan Nguyen	
71	Application of compressed air in the online monitoring of surface roughness and grinding wheel wear when grinding Ti-6Al-4V titanium alloy	The International Journal of Advanced Manufacturing Technology	DuyTrinh Nguyen	2018
			Yin Shaohui	
			FengJun Chen	
			Qingchun Tang	
			AnhDuc Le	
72	A Facile Method and Novel Mechanism Using Microneedle Structured PDMS for Triboelectric Generator Applications	Small, Vol. 13, pp.1-11, Issue 29	VanLong Trinh	2017
			GS.TS. Chen-Kuei Chung	
73	Harvesting mechanical energy, storage, and lighting using a novel PDMS based triboelectric generator with inclined wall arrays and micro-toppling structure	Applied Energy, Vol. 213, pp.353-365	VanLong Trinh	2018
			GS.TS. C.K. Chung	