

CURRICULUM VITAE



A. BUTIR-BUTIR PERIBADI <i>(Personal Details)</i>			
Nama Penuh <i>(Full Name)</i> Mohd Nazim Bin Mohtar			Gelaran <i>(Title)</i> Dr
No. MyKad / No. Pasport <i>(Mykad No. / Passport No.)</i> 781028-01-6739	Warganegara <i>(Citizenship)</i> Malaysia	Bangsa <i>(Race)</i> Melayu (Malay)	Jantina <i>(Gender)</i> Lelaki (Male)
Jawatan <i>(Designation)</i> <ul style="list-style-type: none"> Pensyarah Kanan (Senior Lecturer) Head of Electron Device Research Group 		Tarikh Lahir <i>(Date of Birth)</i> 28/10/1978	

Alamat Semasa <i>(Current Address)</i>	Jabatan/Fakulti <i>(Department/Faculty)</i>	E-mel dan URL <i>(E-mail Address and URL)</i>
12, Jalan PUJ 1/1, Taman Puncak Jalil, 43300 Seri Kembangan, Selangor	<ul style="list-style-type: none"> Jabatan Elektrik dan Elektronik, Fakulti Kejuruteraan, UPM Institut Teknologi Maju (Institute of Advanced Technology), UPM 	nazim@upm.edu.my

B. KELAYAKAN AKADEMIK <i>(Academic Qualification)</i>			
Nama Sijil / Kelayakan <i>(Certificate / Qualification)</i>	Nama Sekolah Institusi <i>(Name of School / Institution)</i>	Tahun <i>(Year)</i>	Bidang pengkhususan <i>(Area of Specialization)</i>
PhD in Biomedical Engineering	University of Surrey	2012	Biomedical Microengineering
B Eng (Hons) in Medical Engineering	University of Surrey	2006	Medical Engineering
HND in Medical Electronic Engineering	British Malaysian Institute	2003	Medical Electronic Engineering

C. KEMAHIRAN BAHASA <i>(Language Proficiency)</i>					
Bahasa / Language	Lemah <i>Poor (1)</i>	Sederhana <i>Moderate (2)</i>	Baik <i>Good (3)</i>	Amat Baik <i>Very good (4)</i>	Cemerlang <i>Excellent (5)</i>
English					√
Bahasa Melayu					√
Chinese	√				
Lain-lain <i>(other)</i> : Arabic		√			

D. PENGALAMAN SAINTIFIK DAN PENGKHUSUSAN <i>(Scientific experience and Specialisation)</i>				
<i>Organization</i>	<i>Position</i>	<i>Start Date</i>	<i>End Date</i>	<i>Expertise</i>
Plentimillion Sdn Bhd	Consultant	2018 (July)	2020 (June)	Microelectronics Engineering
IEEE (Membership:92870576)	Treasurer (CAS Chapter)	2018	2019	Electrical & Electronic Engineering
Faculty of Engineering, Universiti Putra Malaysia (ROBOCON 2018)	Committee Member	2018	2019	Advisor
Malaysia Board Of Technologist	Profesional Technologist	2018 (March)	Present	Biomedical Engineering
Malaysia Board Of Technologist GT17050025	Graduate Technologist	2017 (May)	Present	Biomedical Engineering
IEEE (Membership:92870576)	Treasurer (CAS Chapter)	2017	2018	Electrical & Electronic Engineering
Center of Excellence Geopolymer & Green Technology (CEGeoGTECH), Unimap	Associate Researcher	2017	2019	Flexible Circuit Wearable devices
Institut Teknologi Maju (Institute of Advanced Technology), UPM	Head of Electron Device Research Group	2016 (Feb)	2019 (Jan)	Flexible Circuit Wearable devices
University of Cambridge	Postdoct / Academic Visitor	2014 (Oct)	2015 (Sept)	Flexible Circuit Wearable devices
The Institution of Engineering and Technology IET (Membership:1100347559)	Member	2013	Present	Electrical & Electronic Engineering
International Symposium on Applied Engineering & Sciences 2013 (SAES 2013)	Committee Member	2013	-	
International Symposium on Applied Engineering & Sciences 2013 (SAES 2013)	Session Chair	2013	-	
The Institute of Electrical and Electronics Engineers IEEE (Membership:92870576)	Member	2012	Present	Electrical & Electronic Engineering
Faculty of Engineering, Universiti Putra Malaysia (ROBOCON 2012)	Committee Member	2012	2013	Advisor
Faculty of Engineering, Universiti Putra Malaysia (MUROC 2012)	Committee Member	2012	2013	Advisor

Faculty of Engineering, Universiti Putra Malaysia (ROBOCON 2011)	Committee Member	2011	2012	Advisor
Faculty of Engineering, Universiti Putra Malaysia (MUROC 2011)	Committee Member	2011	2012	Advisor
University of Surrey	PhD candidate/ researcher	2007 (Jan)	2010 (Dec)	Microfluidics and Lab on a chip devices

E. PEKERJAAN (*Employment*)

Majikan (<i>Employer</i>)	Jawatan (<i>Designation</i>)	Jabatan (<i>Department</i>)	Tarikh lantikan (<i>Start Date</i>)	Tarikh tamat (<i>Date Ended</i>)
Universiti Putra Malaysia	Senior Lecturer	Electrical and Electronic Engineering	22/2/2013	Present
Universiti Putra Malaysia	Tutor	Electrical and Electronic Engineering	2/8/2006	21/2/2013
Radicare (M) Sdn Bhd	Biomedical Engineer	Biomedical	1/6/2004	31/8/2004
Reflex-O Sdn Bhd	Technical Executives	Services	1/3/2004	31/5/2004

F. ANUGERAH DAN HADIAH (*Honours and Awards*)

Name of awards	Title	Award Authority	Award Type	Year
<i>Academic Award</i>	Postdoctoral Attachment	Ministry of Higher Education, Malaysia	Scholarship	2014 – 2015
	Doctor of Philosophy	Ministry of Higher Education, Malaysia	Scholarship	2007 – 2010
	Bachelor Degree	MARA, Malaysia	Scholarship	2004 – 2006
	Higher National Diploma	MARA, Malaysia	Scholarship	2002 – 2003
<i>Non-Academic Awards</i>				
<i>Awards of Merit</i>	Professor Lim Prize	University of Surrey	Academic Excellent	2006

G. SENARAI PENERBITAN (Sila masukan nama pengarang, tajuk, nama jurnal, jilid, muka surat dan tahun diterbitkan) (*List of publications – author (s), title, journal, volume, page and year published*)

Journal		
	1.	Nurul Amziah Md Yunus, Mohd Nazim Mohtar , Khaldon Mohammed Almadhagi and Izhal Abdul Halin “Dielectrophoresis and AC Electroosmosis Force on Fluid Motion in Microfluidic using Latex Particles “, <i>Pertanika J. Sci. & Technol.</i> 25 (S): 333 - 342 (2017). Scopus
	2.	SST Othman, J Jasni, MN Mohtar , “Analysis of Air Humidity and Temperature for Post Lightning Circumstances”, <i>Pertanika J. Sci. & Technol.</i> 25 (S), 79 – 86 (2017). Scopus
	3.	Mohtar, M.N. , M.U. Ziaudin Ahamed, N.F. Ismail, N.A.M. Yunus, and S. Shafie, “Effect of interelectrode gap to the manipulations of particle using AC electroosmosis.”, <i>International</i>

		<i>Journal of Control Theory and Applications</i> , 2016. 9(31): p. 31-36. Scopus
	4.	Mohtar, M.N. , M.M. Ramli, N.A.M. Yunus, J. Jasni, and N. Aziz, “Clarification of Colloidal Particles in Lake and River Water Using AC Electrokinetic.”, <i>MATEC Web Conf.</i> , 2016. 78: p. 01115. Scopus
	5.	N. Azis, J. Jasni, M.Z.A. Ab Kadir, M.N. Mohtar , “Suitability of Palm Based Oil as Dielectric Insulating Fluid in Transformers”, <i>JEET</i> , Vol. 9(2), pp. 662 – 669, 2014. Q4
	6.	M.N. Mohtar , K.F. Hoettges, M.P. Hughes, “Design Factors Affecting Particle Concentration by Electro-Osmosis In Microfluidic Systems”, <i>Electrophoresis</i> , Vol. 35(2-3), pp. 345 – 351, 2014. Q2
<i>Books/Monographs</i>		
<i>Chapter in book</i>		
<i>Proceedings</i>		
	1.	L. F. A. Talip, Siti S. Mat Isa, Muhammad. M. Ramli, N. S. Mazlan, D. S. C. Halin, Rafeezul Mohamed, M.N Mohtar “Preliminary Results of Electrical Characterization of GO Towards MCF7 and MCF10a at Different Concentrations”, 2017 IEEE Asia Pacific Conference on Postgraduate Research in Microelectronics and Electronics (PrimeAsia) – Kuala Lumpur, Malaysia 2017
	2.	Sivaraj, L., N.A.M. Yunus, M.N. Mohtar , S.A. Aziz, Z.Z. Abidin, M.I. Saripan, and F.Z. Rokhani. “Portable biosensor for chronic malaria detection.” 17th International Symposium on Quality Electronic Design (ISQED).– Santa Clara, USA 2016
	3.	Tan Chee Phang, Mohammad Harris Mokhtar, Mohd Nazim Mokhtar , Fakhrol Zaman Rokhani “Time-Division Multiple Access Based Intra-Body Communication for WearableHealth Tracker”, 17th International Symposium on Quality Electronic Design (ISQED) – Santa Clara, USA 2016
	4.	Sinan, S.S., J. Jasni, N. Azis, M.Z.A.A. Kadir, and M.N. Mohtar . “Assessment on the AC breakdown voltages of liquid insulation system.” IEEE International Circuits and Systems Symposium (ICSyS). 2015.
	5.	Sinan, S., S. Shawaludin, J. Jasni, N. Azis, M. Ab Kadir, and M. Mohtar .”Investigation on the AC breakdown voltage of RBDPO Olein”, Innovative Smart Grid Technologies-Asia (ISGT Asia) - 2014
	6.	S.F.M Mazali, J.Jasni, M.N. Mohtar “Atmospheric Electric Field Monitoring For Power Generation”, Innovations in Energy, Power and Electrical Machines (IEPEM) - 2013, Istanbul, Turkey 2013.
	7.	J.Jasni, N.M.Yusof, B.Manson, M. Z. A. Ab Kadir, M.N. Mohtar “A Study on Lightning Protection System – The Effect of Bending Degree of Down Conductor”, The 2nd International Conference on Engineering and Applied Science, Tokyo, Japan 2012.
	8.	M.N. Mohtar , M.P. Hughes, K. Hoettges, “Optimisation of Electrohydrodynamic Trapping: Effect of Chamber Height”, University of Surrey Post Graduate Research Conference, Guildford, United Kingdom 2010.
<i>Other publications</i>		Mohd Nazim Mohtar , PhD in Biomedical Engineering, University of Surrey, UK 2012. Thesis: Analysis and Optimisation of Electroosmotic Trapping
<i>Computer software</i>		
	1.	Lecturer Notes online – EEE3107 Analog Systems, ECC3003 Mathematics III, QKI2107 Innovation and Inventions.
	2.	Computer Skills: Microsoft Office, MATLAB, Endnote, COMSOL, AutoCAD

H. PROJEK PENYELIDIKAN TERDAHULU (<i>Past Research Project</i>)					
<i>Project No.</i>	<i>Project Title</i>	<i>Role</i>	<i>Year</i>	<i>Source of fund</i>	<i>Status</i>
Mevlana Exchange Programme	Mevlana Exchange Programme	Principle researcher: Mohd Nazim Mohtar	2018	Turkish Higher Education Council	Ongoing
GP-IPB/2016/9515402 (RM 124 800)	Graphene Quantum Dots Quantum Excitation for Ultraviolet Light Harvesting in High Efficiency Dye Sensitized Solar Cell	Principle researcher: Mohd Nazim Mohtar	2016 Dec – 2018 Nov	Universiti Putra Malaysia	Ongoing
Postdoctoral	Fabrication of Flexible Circuit using Printing Technology	Principle researcher: Mohd Nazim Mohtar	2014 Oct – 2015 Sept	Ministry of Higher Education, Malaysia	Completed
GP-IPM/2013/9422400 (RM 47 000)	Study on the effect of Chamber height to the optimization of electroosmotic trapping	Principle researcher: Mohd Nazim Mohtar	2014 Jan – 2015 Dec	Universiti Putra Malaysia	Completed
FRGS/2/2013/T K02/UPM/02/10 (RM 116 000)	The study of Atmospheric electric field: Feasibility for energy harvesting	Principle researcher: Mohd Nazim Mohtar	2013 Dec – 2015 Nov	Ministry of Higher Education, Malaysia	Completed
PhD	Analysis and Optimisation of Electrokinetic Trapping	Principle researcher: Mohd Nazim Mohtar	2007 Jan – 2010 Dec	Ministry of Higher Education, Malaysia	Completed

I. PENYELIAAN PELAJAR (<i>Student Supervision</i>)						
<i>Level</i>		<i>Matric No</i>	<i>Name</i>	<i>Title</i>	<i>Status</i>	
<i>PhD</i>	Main	-	-	-	-	
	Co	1.	GS44524	Sharifah Sakinah	New Corona Collector to Collect Atmospheric Electric Field for Realization of New Renewable Energy	Ongoing
<i>MSc</i>	Main	1.	GS45091	Nima Gharibi	Determination of Aedes Egg surface charge for Lab on A Chip detection	Ongoing
		2.	GS50613	Adni Nurili Mohd Kassim	Ion Detection Electrodes using IJDAS Technology	Ongoing
		3.	GS51198	Nazalea Yazmin Binti Muhammad	GQDs Quantum Excitation for Ultraviolet Light Harvesting in High efficiency DSSCs	Ongoing
	Co	1.	GS36258	Lalitha Sivaraj	Lab on a chip detection device for malarial infection	Graduated
		2.	GS42673	Noor Faezah Ismail	Paper-Based Disposable Electrowetting Chip for Microfluidic Application	Ongoing
		3.	GS46310	Ali Hussein Sabry	Peak Pressure Analysis of Foot Plantar Pressure Distribution Based On Image Processing Algorithm	Ongoing
<i>B Eng</i>	Main	1.	178859	Muhammad Farhan Bin Mustafa	Development of Hybrid System For Robot Navigation	Graduated 2018
		2.	174531	Nurul Ain Athirah Binti Mat Nasir	Signal Generator for Lab on a Chip Application	Graduated 2017

	3.	166713	Muhammad Alif bin Osman	Design And Development Of Digital Voltmeter To Be Applied On Transmission System Laboratory Model	Graduated 2016
	4.	158776	Zafran Khalis Bin Mokhtar Azizi	Development of 1 MV high voltage impulse generator	Graduated 2013
	5.	152894	Mohammad Ubaid Bin Ziaudin Ahamed	Effect of interelectrode gap on particles collection on Lab on a Chip electrode	Graduated 2012
	6.	151785	Muhammad Akhmal Bin Rais Yang	Inertial Measurement Unit (IMU) Sensors as Robot Navigation For Fire Fighting Robot	Graduated 2014
Co	-	-	-	-	