

Biodata



Mohd Hazizan bin Mohd Hashim, is a University Lecturer at the School of Materials and Mineral Resources Engineering, Universiti Sains Malaysia (USM), since December 2011. He received his BEng. (Hons.) in Mineral Resources Engineering in the year 2002 followed by MSc. in Mineral Resources Engineering in 2005 both from the Universiti Sains Malaysia.

Later, he joined Lion Group of Malaysia, one of the largest steel manufacturing conglomerates in Malaysia and involved with a number of projects for the duration of 2004-2007. This includes construction and erection of a 600TPD lime kiln plant at Banting, Malaysia. The plant was amongst the biggest in the world at that time.

In late 2007, he furthered his studies under the Academic Staff Training Scheme (ASTS) in School of Mining Engineering, University of New South Wales, Australia. He was conferred for the award of Doctor Philosophy in Mining (Geomechanics) in December 2011. His current research interests include geotechnical, mining methods, blasting technology, environmental and mineral processing.

On military basis, Mohd Hazizan was commissioned as a young officer (2nd Lt) by His Majesty the Yang di-Pertuan Agong of Malaysia into Rejimen Askar Wataniah (Territorial Army) in May 2002. He had served as a Platoon Commander at Regiment 502 and later as an instructor at Reserve Officer Training Unit (PALAPES USM). Presently he is a Deputy Head of Training Section of PALAPES USM and Programme Chairman for army, navy and air force at USM. In 2013, he received Best Overall Student for Senior Command Course and Best Presenter (TEWT) for Company Commander Course respectively by the Pusat Latihan Askar Wataniah (PUSWATAN). Mohd Hazizan has attended various military courses and been promoted to a rank of Lieutenant (2004), Captain (2012) and Major (2015) respectively.

Mohd Hazizan is also currently hold the Penggawa of Desasiswa Jaya Lembaran Utama post (Principal of Engineering Residential College) since 2012. He is a Profesional Engineer (P.Eng), Professional Technologist, P.Tech(*Resource-Based*), Corporate Member of Institution of Engineers Malaysia (MIEM) and Institute of Mineral Engineering Malaysia (MIME) and Member of International Society for Rock Mechanics (ISRM). He is also a Certified Basic Practitioner of Neuro-Linguistic Programming (2017) awarded by the National Federation of Neurolinguistic Programming (NLP), USA and Certified NLP Coach (2016) by Akademi NLP Malaysia.

1. PERSONAL

Name	Mohd Hazizan bin Mohd Hashim, Major Assoc. Prof. Ir. Ts. Dr.
Nationality	Malaysian
Current Positions	University Lecturer DS54 / Program Chairman (ROTU-Army, Navy, Airforce) / Principle of Engineering Residential College
Qualification and Professional Affiliation	BEng. (Hons.) MSc.(USM) PhD. (New South Wales) <i>P.Eng. P.Tech.(Resource-Based) MIEM MIME(M)</i>
Field of Specialization	Geotechnics and Geomechanics, Mining Methods, Blasting Technology, Environmental
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Professional Qualification	Registered Professional Engineer (Board of Enginneer) Registered Professional Technologists (Malaysia Board of Technologist)
Membership of Professional Bodies	Corporate Member of Institution of Engineers Malaysia (IEM) Member of Institute of Mineral Engineering (IME) Member of International Society for Rock Mechanics (ISRM)

2. RESEARCH AND PUBLICATIONS

2.1 Research

No	Research Title	Grant Name	Position	Duration	Start date	End date
1	Rock Mass Rating and Blasting Performance on the Particle Breakage in Limestone Quarry Operation	Research University Grant (RM74,500)	Principal Investigator	3 years	01.07.2018	30.06.2021
2	The Evaluation of Early-High Strength Steel Fiber Reinforced Shotcrete (SFRS) and its Interaction with the Surrounding Rock Mass as the Primary Tunnel Support in Overstressing Rock	Research University Grant (RM70,000)	Co-Researcher	2 years	01.03.2019	28.02.2021
3	Short-Firer for Quarry and Mine	Ministry of Higher Education (RM130,000)	Project Leader	3 years	01.09.2014	31.08.2017
4	Modelling the Effect of Particle Breakage in Comminution Machines	Fundamental Research Grant Scheme (FRGS) (RM91,000)	Co-Researcher	3.5 years	01.12.2013	30.06.2017
5	Development of Preliminary Scaled Distance Technique to Predict the Level of Ground Vibrations Induced During Blasting for Granite and Limestone Quarry in Peninsular Malaysia	Short-Term (RM44,020)	Principal Researcher	2 years	15.11.2014	14.11.2016
6	Effective Mining Method for Gold Mining in Kelantan, Malaysia	AUN/SEED-NET (International Grant) (RM19,644)	Co-Researcher	2.5 years	01.10.2012	30.03.2015
7	Subsurface Investigation at Sipitang, Sabah	Precise Geospatial Surveys Sdn Bhd (Outside Agency Grant) (RM368,000)	Co-Researcher	2.5 years	23.04.2013	22.09.2015
8	Dimensionless Percolation Rate of Particles Percolation	USM Incentive Grant (Internal Grant) (RM5,000)	Principal Investigator	1 year	11.07.2012	10.07.2013

1.2 List of Relevant Publications

No	Publication Details
1	Shah, KA, Hashim, MHM, Emad, MZ, Ariffin, KS, Junaid, M and Khan, NM (2020). Effect of Particle Morphology on Mechanical Behavior of Rock Mass, <i>Arabian Journal of Geosciences</i> , vol 13 (708:2020), pp. 1-17
2	S.A. Shehu, Yusuf, K.O. and M.H.M. Hashim (2020), Comparative study of WipFrag image analysis and Kuz-Ram empirical model in granite aggregate quarry and their application for blast fragmentation rating, <i>Geomechanics and Geoengineering</i> , DOI: 10.1080/17486025.2020.1720830
3	M.H.M., Hashim, S.A. Shehu and N.A.H. Kechik (2020), Effects of Blast Design Factors on Fragmentation at Lafarge Kanthan Quarry, Chemor, Perak, <i>ASEAN Engineering Journal</i> , vol. 10 (2), pp. 58-72
4	Shehu, SA, Jethro, MA, Ogbodo, DA and Hashim, MHM, (2019), Correlation of blasting coefficient with drilling rate of rocks, <i>Materials Today: Proceedings</i> , vol. 17, pp. 543–552
5	Shehu, SA and Hashim, MHM, Evaluation of blast efficiency in aggregate quarries: facts and fictions, <i>Arabian Journal of Geosciences</i> (Under review)
6	Shehu, SA and Hashim, MHM, Evaluation of blast fragmentation and its benefits: a review of the paradigm and ambiguity, <i>International Journal of Mining and Mineral Engineering</i> (Under review)

7	Shehu SA, <u>Hashim, MHM</u> , Saliu, MA, (2018), Preliminary assessment and optimization of blasting cost and cycle time of load-haul unit of Obajana Cement Quarry, in <i>Warta Geologi</i> , vol. 44 (3), ISBN: 0126-5539, pp. 203
8	<u>Hashim, MHM</u> , Pelawang, KS and Shehu, SA, (2018), Prediction of blast induced vibration at Lafarge Quarry in Kanthan, Ipoh, Perak, <i>Newsletter of the Geological Society of Malaysia</i> , vol. 44 (3), pp. 249
9	Agam, MWA, <u>Hashim, MHM</u> and Zabidi, H, (2018), Deterministic and Probabilistic Assessments of the Slope Stability of Kota Bunyih Dam, Pengkalan Hulu, Perak, <i>Journal of Physics: Conference Series</i> , vol. 1082, no. 1, pp 012093
10	<u>Mohd Hazizan Bin Mohd Hashim</u> , (2018), A sore point over an explosive issue, <i>The Star</i> , July 25, 2018
11	<u>Hashim, MHM</u> and Khider, MU, (2017), Improving Blast Design for Optimum Rock Breakage and Sustainable Operations, <i>Internet Journal of Society for Social Management Systems</i> , vol. 11 (1), pp. 224-234
12	<u>Hashim, MHM</u> , Ping, CA, Nordin, N, Yahya, H, (2017), Development of creative industry in Malaysia: animation sector, in <i>Proceeding of 19th IMT-GT Varsity Seminar</i>
13	Norazirah, A, Hashim, SFS and <u>Hashim, MHM</u> , (2016), The effect of shape on breakage characteristic of mineral, <i>Procedia Chemistry</i> , vol. 19, pp. 702-708
14	Agam, MWA, <u>Hashim, MHM</u> , Zabidi, H, and Murad, MI, (2016), Slope Stability Analysis Using Spenser's Method in Comparison with General Limit Equilibrium Method, <i>Procedia Chemistry</i> , vol. 19, pp. 651-658
15	Nurlyana, K, Zabidi, H, Ariffin, KS and <u>Hashim, MHM</u> , (2016), Effect of geological condition on degree of fragmentation in Simpang Pulai marble quarry, <i>Procedia Chemistry</i> , vol. 19, pp.694-701
16	<u>Hashim, MHM</u> , (2015), Short Note on Blasting in <i>Buletin Enjinier</i> , Vol. 12 (2), ISSN: 15115275, pp. 9-10
17	Hashim, SFS, Norazirah A., <u>Hashim, MHM</u> , (2015), The effect of shape on breakage characteristic of mineral, in <i>Proceeding of 5th International Conference on Recent Advances in Materials, Minerals & Environment (RAMM) and 2nd International Postgraduate Conference on Materials, Mineral and Polymer (MAMIP) 2015</i> , pp. 71
18	<u>Hashim, MHM</u> , Ghani, JAA, Hashim, SFS, (2015), Prediction of the Level of Ground vibrations Induced in Granite Formation during Blasting using the Scaled Distance Technique, in <i>Proceeding of 8th International Conference on Geological and Geo-Resources Engineering & 7th Mineral Symposium (IC-GeoE & SIMPOMIN 2015)</i> , Penang, Malaysia., pp. 57
19	<u>Hashim, MHM</u> , Zulkiflee, ND, Nasran, NAA, Mingat, SR and Hussain, NHN, (2014), Environmental Sustainability: The USM Practice in Nurturing and Transforming Higher Education Towards Sustainable Tomorrow, in <i>Proceeding of Leadership Seminar Proceeding in the 16th IMT-GT Varsity Carnival, Universitas Sumateras Utara (USU), Indonesia</i> , ISBN:9794587486, vol 1., pp. 44-52
20	Eam, AK, Hashim, SFS, <u>Hashim, MHM</u> and Yusof, MTM, (2014), Case Study of Alluvial Gold Mining at Pulai Mining in Gua Musang, Kelantan, Malaysia, <i>Frontiers in Materials and Minerals Engineering, Advanced Materials Research</i> , vol 858, pp. 236-242
21	<u>Hashim, MHM</u> (2014), Comparison of Factor of Safety (FOS) between the Finite Element and Limit Equilibrium Method in Slope Stability Study, in <i>Proceeding of 7th AUN/SEED-Net Geological Engineering Conference & the 2nd AUN/SEED-Net Natural Disaster Conference (AGEC & ANDC 2015)</i> , Yangon, Myanmar, pp. 86
22	<u>Hashim, MHM</u> , (2013), Dimensionless percolation rate (DPR) by the mean of numerical modeling, in <i>Proceeding of 5th AUN/SEED-Net Regional Conference on Materials Engineering and the 5th Regional Conference on Natural Resources and Materials</i> , pp. 178-179

2. TEACHING AND SUPERVISION

3.1 Teaching Subjects

No	Code	Subject	Teaching Mode	No of Students	Year Start	Year End
1	EBS110/2	Engineering Drawing	Lecture	160	2012	2016
2	EBS311/3	Mining Methods and Law	Lecture	40	2012	Current
3	EBS325/2	Analytical Chemistry Laboratory	Laboratory	40	2012	2017
4	EBS417/3	Geomechanics	Lecture	40	2012	Current

5	EBS423/4	Mine Plant and Design	PBL	40	2012	Current
6	EBS429/2	Environmental Engineering	Lecture	40	2012	Current
7	EBS430/6	Final Year Project	FYP	4	2012	Current
8	EBS210/2	Mining Engineering Laboratory	Laboratory	40	2012	Current
9	EBS219/3	Introduction to Mining Engineering	Lecture	40	2012	Current
10	EBS341/2	Mineral Processing Engineering Laboratory	Laboratory	40	2012	Current
11	EBS350/5	Industrial Training	Practicum	40	2016	2018
12	EBS419/2	Blasting Technology	Lecture	40	2012	Current
13	EAK163/4	Engineering Geomatics	Lecture	40	2014	2017
14	SHE101/2	Ethnic Relation	Practicum	5	2012	Current

3.2 Postgraduate Supervision

No	Name	Research Title	Level	Role	Start date	End date
1	Eang Khy Eam (Cambodia)	Effective Mining Method for Gold Mining in Kelantan	MSc.	Co-Supervisor	Oct 2012	Sept 2014
2	Maclive Wilkinson anak Agam	Comparison between LEM and FEM in Slope Stability Study at Rahman Hidraulic Tin Mine tailing dam	MSc.	Main Supervisor	Oct 2014	Jun 2017
3.	Norazirah Binti Ahmad	Modelling the effect of particle breakage in comminution machines	MSc.	Co-Supervisor	Sept 2014	Jun 2018
4	Taqwai Gregory Mathew (Nigeria)	Molecular Maturity Parameter Variations with Lithology in the Barnett Shale	PhD.	Co-Supervisor	June 2015	Oct 2019
5	Noraini Zainuddin	The Study of Geological Condition Toward Fly Rock in Blasting Activity in Mine and Quarry	MSc.	Co-Supervisor	Nov 2015	On going
6	Shehu Shaib Abdulazees (Nigeria)	Enhanced Productivity for Aggregates Production Through the Efficiency of Blasting and Rock Mass Rating in Limestone Quarry	PhD.	Main Supervisor	Dec 2017	On going
7	Kausar Sultan Shah (Pakistan)	Advanced Probabilistic Slope Stability Analysis on Malaysian Slope	PhD.	Main Supervisor	Mar 2018	On going

3.3 Undergraduate Supervision

No	Name	FYP Title	Year	Remark
1	Kelviin Rajj A/L Karupaya	Estimation of Comprehensive Strength of Granitic Rock from Physical and Textural Properties	2019	Graduated
2	Nur Maizatul Diana Bt Ramli	The Suitability of Some Selected Malaysian Granite Deposits for The Production of Dimension Stone.	2019	Graduated
3	Mohammad Akram Amin Bin Abu Bakar	Stability Analysis of Rock Slope Against Block Flexural Toppling Failure	2019	Graduated
4	Muhammad Danial Hakkim Bin Mohamad Khalil	Fragmentation Analysis and Its Effect on Vibration and Comminution Energy	2018	Graduated
5	Ahmad Nabil B Abd Jalil	Relationship Between Powder Factor and Rock Strength for Optimum Fragmentation	2018	Graduated

6	Nurul Zulaikha Binti Harudin	Evaluation of The Blast Efficiency for Optimum Mill Operation	2018	Graduated
7	Nur Aliah Hazirah Binti Awang Kechik	Effect of Blast Design (Blast Hole Pattern) on Particle Breakage	2017	Graduated
8	Najihatul Nabihah Binti Abdul Rahman	Analysis of Rock Fragmentation Performance by Using Wipfrag	2017	Graduated
9	Nurrahman Bin Johari	Correlation of Peak Particle Velocity During Blasting and Particle Size Distribution at Hanson Quarry, Penang	2017	Graduated
10	Khairul Shazwan B Pelawang	Prediction of Blast-Induced Ground Vibration During Blasting	2017	Graduated
11	Logatharan A/L Rangunathan	Analysis of Rock Fragmentation by Using Power Sieve Software	2016	Graduated
12	Mohammad Aidil Bin Rodzali	Effect of Blast Design on Particle Breakage (Blast Hole Diameter)	2016	Graduated
13	Muhammad Syamim Bin Che Aziz	Correlation of Peak Particle Velocity During Blasting and Particle Size Distribution	2016	Graduated
14	Akmal Hakim Bin Khalid	Prediction of Blast-Induced Ground Vibration During Blasting	2016	Graduated
15	Amirul Qayyum Bin Azmi	Effect of Geological Parameters in Rock Fragmentation in Blasting	2015	Graduated
16	Noor Shafiqah Atirah Binti Noorsham	Stability Assessment of Tailing Dam by Finite Element Methods in Kota Bunyih Tailing Dam, Pengkalan Hulu, Perak	2015	Graduated
17	Khairul Zhafirah Bin Awang	Prediction of Blast-Induced Ground Vibration During Blasting at Granite Host Quarry	2015	Graduated
18	Ahmad Shahiddin Bin Abu Bakar	Effects of Blasting Design Parameters (Weight of Explosives) on Blast-Induced Ground Vibrations at Masai Batu Tiga Quarry	2015	Graduated
19	Nazirul Fakhri Bin Noorshamsull Kumar	The Effect of Blasting Pattern & Geological Factor on Rock Fragmentation in Masai Batu Tiga Quarry	2015	Graduated
20	Maria Ulfah Binti Khider	Correlation of Peak Particle Velocity (PPV) During Blasting and Particle Size Distribution at Imerys Mineral Sdn. Bhd, Simpang Pulai, Ipoh	2014	Graduated
21	Nurul Nazieha Binti Yaakop	Effect of Blasting Pattern and Geological Factor on Rock Fragmentation	2014	Graduated
22	Muhammad Firdaus Bin Abdul Hamid	Effect of Blast Holes Diameter and Fragmentation	2014	Graduated
23	Intan Munirah Binti Rosli	Prediction of Blast-Induced Ground Vibration During Blasting	2014	Graduated
24	Nazatul Azreen Binti Azizul Hassan	Effect of Blasting on Remaining Rock Slope Stability	2013	Graduated
25	Nur Faridzamil Bin Nordin	Rock Slope Stability in Imerys Quarry, Keramat Pulai, Perak	2013	Graduated
26	Norhafizah Binti Norsurah	Drill Dust Sampling in Imerys Minerals Malaysia Sdn Bhd	2013	Graduated
27	Mohd Izat Hafifi Bin Abdullah	Investigation of the Rock Fragmentation After Blasting at Imerys Mineral Malaysia Sdn Bhd, Simpang Pulai, Perak	2013	Graduated
28	Siti Haidahasnita Bt Hamdan	Effect of Drilling and Blasting on Rock Fragmentation and Ore Movement in Penjom Gold Mine	2012	Graduated
29	Mohamad Syafiq Bin Md Isa	Slope Stability Analysis at Area Bentong, Pahang	2012	Graduated
30	Muhammad Ikhsan Bin Murad	Comparison of Slope Stability Analyses Using Plaxis 2D and GeoSlope at Bentong, Pahang	2012	Graduated

31	Shafika Binti Md Salleh	Blast Design and Geological Features Effect on Blasting Outcomes in Penjom Gold Mine	2012	Graduated
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3. ACADEMIC RECOGNITION AND LEADERSHIP

4.1 Academic, Leadership and Awards

No	Name of Award	Awarding Body	Level	Year
1	The 5th AUN/SEED-Net Regional Conference on Materials & The 5 th Regional Conference on Natural Resources and Materials (RCM 5 & RCNMR 5) Best Poster Award	AUN/SEED-Net, JICA and ASEAN FOUNDATION	International	2013
2	Best Presenter (TEWT), Company Commander Course (V) LGDC Serial 1/2013, Pusat Latihan Askar Wataniah (PUSWATAN)/ATM	PUSWATAN		2013
3	Best Overall Senior Command (V) LDGC Serial 1/2013, Pusat Latihan Askar Wataniah (PUSWATAN)/ATM	PUSWATAN	National	2013
4	Excellent Service Award	Universiti Sains Malaysia	University	2018
5	Gold Medal, Educational Zap Tool for Morse Code Learning (è-ZapMorse), Pertandingan Inovasi Persidangan Kebangsaan Kokurikulum Universiti (NUCC) 2019	Malaysian Universities Co-curricular Council (UniCC) & Ministry of Education Malaysia	National	2019
6	Winner, Project: My-Navy Digital (My-Nadi) in Innovative and Creative Convention (KIK) Competition	Royal Malaysian Navy	National	2019

4.2 Thesis Examiner

No	Name	Research Title	Level	Role	Remark
1	Husni binti Mohamad Fadzil (2017)	The Modelling and Design of Belt Conveyor for Solving Batts Accumulation Problem	MSc	External Examiner	Institute of Engineering Mathematics, Universiti Malaysia Perlis
2	Nur Khafiza binti Sapari (2018)	Sifat Anisotropik Ricih Untuk Jisim Batuan Terkekar Di Projek Empangan Hidroelektrik Ulu Jelai, Pahang	MSc.	Internal Examiner	School of Materials and Mineral Resources Engineering, Universiti Sains Malaysia
3	Heyam Hussien Shaalan Al-Husaynat (Iraq) (2019)	Analysis Berangka Kelakuan Terowong TBM dan Sokongan di Bawah Tegasan Tinggi Batuan di Terowong Penyaluran Bekalan Air Mentah Pahang-Selangor	PhD.	Internal Examiner	School of Civil Engineering, Universiti Sains Malaysia
4	Goh Chin Ong (2019)	Evaluation on the Effect of No-Drainage Boundary Condition to the Groundwater Pressure Surrounding the NATM Permanent Cast In-Situ Tunnel Lining	MSc.	Internal Examiner	School of Civil Engineering, Universiti Sains Malaysia
5	Nur Qurratin A'ini binti Md. Yusof (2019)	Stability Analysis of Abutment Scope Based on Numerical Simulation at Ulu Jelai Hydroelectric Project, Cameron Highland, Pahang	MSc.	Internal Examiner	School of Materials and Mineral Resources Engineering, Universiti Sains Malaysia

4.3 Technical/Grant Application Assessor

No	Title of the Report/Assessment	Year	Institution
1	Panel Penilai bagi Geran Penyelidikan Pemandaran USM-Industri	2019	Universiti Sains Malaysia
2	Panel Penilai dan Penyerahan Projek Program Pimpin Siswa Lestari 1 Fasa 2	2016	Universiti Sains Malaysia
3	Subject Matter Expert (SME) bagi Makmal Kajian Nilai (Value Assessment - VA) dan Value Engineering (VE) Kementerian Sumber Asli dan Alam Sekitar bagi Projek Penilaian Potensi dan Pembangunan Sumber Mineral Negara yang bernilai melebihi RM50 juta ke atas	2016	Economic Planning Unit (EPU) Malaysia

4.4 Keynote Speaker and Invited Speaker

No	Publication Details	Year	Type
1	Challenges of Sustainable Development in the Management of Mining and Mineral Resources: A Review, Hotel Myko, Makassar, Indonesia, Faculty of Industrial Technology, Universitas Muslim Indonesia, 2 nd International Conference on Industrial Technology for Sustainable Development (Icon-ITSD) 2019	2019	Keynote Speaker
2	Improving Blast Design to Optimize Rock Breakage Performance and Sustainable Operations, in International Symposium the 11th SSMS and the 5th RCND 2017, 20-21 November 2017, Bangkok, Thailand	2017	Invited Speaker
3	Pengenalan Kepada Peletupan, Impak dan Kesan Peletupan terhadap Alam Sekitar, Jenis-jenis dan ciri-ciri bahan letupan, Diskusi "Keperluan dan syarat menjadi pembedil Berlesen", Kursus Asas Pembedil KPT/PDRM/JMG 2015, Kursus Asas Pembedil siri 2/2016	2016	Invited Speaker
4	Jenis-jenis dan Ciri-ciri Bahan Letupan, Impak dan Kesan Peletupan terhadap Alam Sekitar, Diskusi "Keperluan dan Syarat menjadi Pembedil Berlesen", Kursus Asas Pembedil, KPT/PDRM dan JMG, Kursus Asas Pembedil siri 2/2015	2015	Invited Speaker
5	Jenis-jenis dan Ciri-ciri Bahan Letupan, Impak dan Kesan Peletupan terhadap Alam Sekitar, Kursus Asas Pembedil Anjuran USM/KPT dengan kerjasama PDRM dan Jabatan Mineral dan Geosains Malaysia (JMG)	2015	Invited Speaker
6	Comparison of Factor of Safety (FOS) between the Finite Element and Limit Equilibrium Method in Slope Stability Study, in 7 th AUN/SEED-Net Geological Engineering Conference (AGEC) & 2 nd AUN/SEED-Net Natural Disaster Conference (ANDC), 29 – 30 September 2014, University of Yangon, Yangon, Myanmar, University of Yangon, Yangon, Myanmar	2014	Invited Speaker
7	Jenis-jenis dan Ciri-ciri Bahan Letupan, Impak dan Kesan Peletupan terhadap Alam Sekitar, Kursus Asas Pembedil Anjuran USM/KPT dengan kerjasama PDRM dan Jabatan Mineral dan Geosains Malaysia (JMG)	2014	Invited Speaker

4.5 Proceeding/Conference Presentation

No	Publication Title
1	Prediction of Blast Induced Vibration at Lafarge Quarry in Kanthan, Ipoh, Perak, in 31 st National Geoscience Conference (NGC) 2018, Penang, Malaysia, 18-20 September 2018, Georgetown, Penang, Malaysia
2	Improving Blast Design to Optimize Rock Breakage Performance and Sustainable Operations, in International Symposium the 11 th SSMS and the 5 th RCND 2017, 20-21 November 2017, Bangkok, Thailand
3	Prediction of the Level of Ground Vibrations Induced in Granite Formation during Blasting using the Scaled Distance Technique, in 8 th International Conference on Geological and Geo-Resources Engineering & 7 th Mineral Symposium (IC-GeoE & SIMPOMIN 2015), Penang, Malaysia, Cititel Hotel, P.Pinang, 29-30 September 2015

4	Slope Sensitivity Analysis using Spencer's Method in Comparison with General Limit Equilibrium Method, in the 5 th International Conference on Recent Advances in Materials, Minerals & Environment (RAMM) and 2 nd International Postgraduate Conference on Materials, Mineral and Polymer (MAMIP) 2015, 4-6 August 2015, Penang, Malaysia
5	Comparison of Factor of Safety (FOS) between the Finite Element and Limit Equilibrium Method in Slope Stability Study, in 7 th AUN/SEED-Net Geological Engineering Conference (AGEC) & 2 nd AUN/SEED-Net Natural Disaster Conference (ANDC), 29 – 30 September 2014, University of Yangon, Yangon, Myanmar, University of Yangon, Yangon, Myanmar
6	Study of Alluvial Gold Mining at Pulau Mining in Gua Musang, Kelantan, Malaysia, in 5 th AUN/SEED-Net Regional Conference on Materials & 5 th Regional Conference on Natural Resources and Materials (RCM5 & RCNMR5), 22-23 January 2013, Penang, Malaysia
7	Dimensionless Percolation Rate (DPR) by the Mean of Numerical Modeling, in 5 th AUN/SEED-Net Regional Conference on Materials & 5 th Regional Conference on Natural Resources and Materials (RCM5 & RCNMR5), 22-23 January 2013, Penang, Malaysia
8	Dimensionless Percolation Rate of Particles in Block Caving Mines, in 6 th International Conference & Exhibition on Mass Mining, 10-14 June 2012, Sudbury, Ontario, Canada

4.6 Member in Professional/Academic Associations and Committee Member (Conference/Seminar/Workshop)

No	Title/ Conference/ Seminar/ Workshop	Year
1	Committee, Symposium on Human Capital Development for Mineral Resources Industry 2012, School Materials and Mineral Resources Engineering, 03/05/2012	2012
2	Session Chairman for the 5 th Regional Conference on Materials Engineering and the 5 th Regional Conference on Natural Resources and Materials, AUN/SEED Net, JICA, ASEAN Foundation, 23/01/2013	2013
3	Session Chairman for the 5 th International Conference on Recent Advances in Materials, Minerals & Environment (RAMM) and 2 nd International Postgraduate Conference on Materials, Mineral and Polymer (MAMIP) 2015, 4/08/2015 - 6/08/2015	2015
4	Session Chairman for the Mining and Geo-Resources Sub-theme in the 8 th International Conference on Geological and Geo-Resources Engineering (ICGeoE) & 7 th Mineral Symposium (SIMPOMIN) 2015, ASEAN University Network/Southeast Asia Engineering Education Development Network (AUN/SEED-Net), 30/9/2015	2015
5	Session Chairman for National Geoscience Conference 2018, Geology Society of Malaysia, 18/09/2018 - 18/09/2018	2018

4.7 Recognition from Professional Bodies

No	Descriptions	Name of Bodies/ Association	Year
1	Professional Status Granted (Professional Engineer)	Board of Engineer Malaysia (BEM)	2020
2	Professional Status Granted, Corporate Membership Granted	Institution of Engineers, Malaysia (IEM)	2019
3	Underground Blasting Certificate of Competency	Institute of Quarrying Malaysia / Academy Quarrying Malaysia	2019
4	Professional Status Granted (Professional Technologist)	Lembaga Teknologis Malaysia (MBOT)	2018
5	Certified Basic Practitioner of Neuro-Linguistic Programming	The National Federation of Neurolinguistic Programming (NLP), United State of America	2017
6	Certified NLP Coach	Akademi NLP Malaysia	2016

5 CONSULTANCY /TRAINING

No	Descriptions (Title, Client, Duration)	Role of Consultation	Amount
	<p>Dry waste tailing dam design and stability analysis, CNMC Gold Mine, Ulu Sokor, Kelantan, 1/8/2020-30/10/2020</p> <p>Members: Hareyani Zabidi, <u>Mohd Hazizan Mohd Hashim</u>, Kamar Shah Ariffin, Zakaria Endut, Hasliza Mat Saad</p>	Member	RM22,000.00
1	<p>International Summer School (Mineral Resources Engineering) – Politeknik Akamigas Palembang, Indonesia, 07/077-21 July 2019</p> <p>Members: <u>Mohd Hazizan bin Mohd Hashim</u>, Hareyani binti Zabidi, Suhaina binti Ismail, Zakaria bin Endut, Nurul Ain binti Jabit, Hasliza binti Mat Saad</p>	Project Leader	RM139,119.20
2	<p>Consultation, Evaluation of Ore Sample, Penjom Gold Mine /Specific Resources Sdn Bhd, 23/08/2017 - 23/09/2017</p> <p>Members: <u>Mohd Hazizan Bin Mohd Hashim</u>, Sharul Ami Bin Zainal Abidin</p>	Project Leader	RM500.00
3	<p>Projek Dokumentasi Pengajaran dan Pembelajaran Taktik Serangan Khemah Musuh", UniUTAMA Educational and Consultancy Sdn Bhd, 04/01/2016 - 05/05/2016</p> <p>Members: Nor Hissam Bin Sulaiman, <u>Mohd Hazizan bin Mohd Hashim</u></p>	Member	RM45,000.00
4	<p>Program GE KPT - Asas Pembedil (Kuari & Lombong), Kementerian Pengajian Tinggi, 25/09/2015 - 31/12/2016</p> <p>Members: <u>Mohd Hazizan Bin Mohd Hashim</u>, Syed Fuad bin Saiyid Hashim, Hashim bin Hussin</p>	Project Leader	RM130,000.00
5	<p>Program Kebolehpasaran Graduan - Kursus Asas Pembedil (Kuari & Lombong), Kementerian Pengajian Tinggi, 01/09/2013 - 31/12/2014</p> <p>Members: <u>Mohd Hazizan Bin Mohd Hashim</u>, Syed Fuad bin Saiyid Hashim, Hashim bin Hussin</p>	Project Leader	RM130,000.00