



**CURRICULUM VITAE (CV)**  
**of**  
**MUHAMMAD AZRIN AHMAD**

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**PERSONAL INFORMATION**

**Name** : Muhammad Azrin bin Ahmad  
**Citizenship** : Malaysia  
**Date of Birth** : June 26, 1991  
**Place of Birth** : Hospital Mentakab, Mentakab, Pahang, Malaysia  
**Marital Status** : Single  
**Home Address** : No. 77, Lorong IS 63, KM 13, Jalan Kuantan-Pekan, Taman Indera Sempurna, 25150 Kuantan, Pahang.  
**Office Address** : Bangunan A1, Fakulti Sains dan Teknologi Industri, Universiti Malaysia Pahang, Lebuhraya Tun Razak, 26300 Gambang, Pahang  
**Email** : azrin@ump.edu.my  
**Phone No.** : +6095492368 (off), +60137980953 (mobile)

**EDUCATION BACKGROUND**

**PhD** (Mathematics), Universiti Teknologi Malaysia, Johor Bahru, Johor, Malaysia.  
September 6, 2012 – June 2016.  
*Research Title: Second Order Limit Language and Its Properties in Yusof-Goode Splicing System.*

**B.Sc.** (Mathematics), Universiti Teknologi Malaysia, Johor Bahru, Johor, Malaysia.  
First Class Honours (CPA: 3.80); June 2009 – June 2012.  
*Final Year Project Title: Homotopy Perturbation Methods for Nonlinear Differential Equations.*

**PROFESSIONAL MEMBERSHIP**

1. Malaysian Mathematical Sciences Society (PERSAMA), Lifetime Member (MS2013-1).
2. UTM Toastmasters Club, May 2015 – September 2016 (Membership renew at every five months)

**NON-PROFESSIONAL MEMBERSHIP**

Persatuan Staf Akademik Universiti Malaysia Pahang (PAKAD), ID No. PAKAD446, Nov 2016 – present.

UTM Toastmasters Club, May 2015 – September 2016

**PRESENT JOB****Senior Lecturer**

Faculty of Industrial Sciences & Technology, Universiti Malaysia Pahang,  
Lebuhraya Tun Razak, 26300 Gambang, Pahang

Starting date: Oct 27, 2016

Confirmation date: Aug 6, 2019

**Head of Program (Learning Technologies)**

Centre of Instructional Resources & e-Learning (CIREL)

Academic & International Affairs Department,  
Universiti Malaysia Pahang, 26600 Pekan, Pahang

Date: Apr 1, 2019 – Mar 30, 2021

**TEACHING EXPERIENCE**

<b>Session Taught</b>	<b>Institution Name/ Course Code</b>	<b>Section</b>	<b>Duration</b>	<b>Level</b>	<b>Credits/ Hours Met</b>
Semester 1, 2016/17	<b><u>Universiti Malaysia Pahang (UMP)</u></b> BUM 2133 (Ordinary Differential Equations)	03G, 05G & 06G	1 semester	B.Sc.	9 hours
Semester 2, 2016/17	BUM 2123 (Applied Calculus)	09P, 10P & 11P	1 semester	B.Sc.	9 hours
Semester 2, 2016/17	BUM 2133 (Ordinary Differential Equations)	-	1 semester	B. Eng. (SBKC - Chemical Engineering)	Part Time
Semester 0, 2017/18	DUM1113 (Basic Mathematics)	-	Short semester	Diploma	6 hours

<b>Session Taught</b>	<b>Institution Name/ Course Code</b>	<b>Section</b>	<b>Duration</b>	<b>Level</b>	<b>Credits/ Hours Met</b>
Semester 1, 2017/18	BUM 2123 (Applied Calculus)	10P, 11P & 12P	1 semester	B.Sc.	9 hours
Semester 1, 2017/18	BUM 2123 (Applied Calculus)	-	1 semester	B. Eng. (SBKC – Chemical Engineering)	Part Time
Semester 1, 2017/18	BUM 2123 (Applied Calculus)	-	1 semester	B. Eng. (Honors) (BFF - Manufacturing Engineering)	Part Time
Semester 2, 2017/18	DUM2113 (Technical Mathematics)	A11LD, A12LD, A13LD & A14LD	1 semester	Diploma	8 hours
Semester 2, 2017/18	BUM 2123 (Applied Calculus)	14G	1 semester	B.Sc.	3 hours
Semester 2, 2017/18	BUM 2123 (Applied Calculus)	-	1 semester	B. Eng. (Honors) (Electrical Engineering – Electronic)	Part Time
Semester 1, 2018/19	MSU4113 (Research Methodology)	01	1 semester	Master of Science (Industrial Mathematics) by Mixed- Mode	3 hours
Semester 1, 2018/19	BUM 2123 (Applied Calculus)	07P, 10P & 12P	1 semester	B.Sc.	9 hours
Semester 1, 2018/19	BUM 2123 (Applied Calculus)	-	1 semester	B. Eng. (Honors - Flexible) (Electrical Engineering – Electronic)	Part Time

<b>Session Taught</b>	<b>Institution Name/ Course Code</b>	<b>Section</b>	<b>Duration</b>	<b>Level</b>	<b>Credits/ Hours Met</b>
Semester 2, 2018/19	MSM4413 (Computational Methods for Industry)	01	1 semester	Master of Science (Industrial Mathematics) by Mixed- Mode	3 hours
Semester 2, 2018/19	BUM 2123 (Applied Calculus)	03G, 04G & 05G	1 semester	B.Sc.	9 hours
Semester 2, 2018/19	BUM 2123 (Applied Calculus)	-	1 semester	B. Eng. (SBKC – Chemical Engineering)	Part Time
Semester 1, 2019/20	MSU4113 (Research Methodology)	01	1 semester	Master of Science (Industrial Mathematics) by Mixed- Mode	4 hours
Semester 1, 2019/20	BUM 2123 (Applied Calculus)	17P	1 semester	B.Sc.	3 hours
Semester 1, 2019/20	BUM 2123 (Applied Calculus)	-	1 semester	B. Eng. (Electrical Engineering – Electronic)	Part Time

### **INNOVATION IN TEACHING & LEARNING**

1. Self-Paced Learning (Substitute Blended-Learning) for Chapter 2 (Week 4 & Week 5) BUM2123 Applied Calculus, 7 – 18 October 2019, UMP Gambang.
2. Massive Open Online Course (MOOC) Calculus is a Piece of Cake, SME, 2017 – now.
3. Global Classroom for BUM2123 Applied Calculus with Dr Abdullah Almas from Suleyman Demirel University, 19 December 2018, Mathematics Support Centre, UMP Gambang, Pahang.

### **RESEARCH ATTACHMENT**

1. Faculty of Industrial Science and Technology, Universiti Malaysia Pahang, Gambang, Pahang, Malaysia. 15 January – 15 February 2013.

2. Faculty of Industrial Science and Technology, Universiti Malaysia Pahang, Gambang, Pahang, Malaysia. 10 August – 10 October 2014.

## **AWARDS**

1. Silver Medal, Obstacle-Aware Routing Problem in a Rectangular Mesh Network at Creation, Innovation, Technology & Research Exposition (CITREx 2019), 11 – 12 February 2019.
2. Silver Medal, Biomolecular Aspects of Second Order Limit Language at Creation, Innovation, Technology & Research Exposition (CITREx 2018), 7 – 8 February 2018.
3. Competent Communicator in the Toastmaster International Communication Program, June 2016.
4. MyPhD MyBrain15 Scholarship Award, September 2012 – February 2016.
5. Dean List's Award for BSc (Mathematics) (June 2009 – June 2012).
6. Best Student in Mathematics Year 3, Department of Mathematical Sciences, Faculty of Science, UTM, 2012.
7. Most Promising Mathematics Student Year 2, Department of Mathematical Sciences, Faculty of Science, UTM, 2011.

## **PUBLICATIONS**

### **Book Chapter**

**(2014)**

1. Nor Haniza Sarmin, **Muhammad Azrin Ahmad** and Yuhani Yusof, Second Order Limit Language: An Introduction. In: Fong Wan Heng and Yusof Yaacob. Recent Advances in DNA Splicing System, Malaysia: Penerbit UTM Press. 43-57; 2014. ISBN: 978-983-52-1000-6.

### **Indexed Journals/ Proceeding**

### **ISI Web of Knowledge**

**(2018)**

1. **Muhammad Azrin Ahmad**, Nor Haniza Sarmin, Mohd Firdaus Abd-Wahab, Yuhani Yusof and Fong Wan Heng. "Biomolecular Aspects of Second Order Limit Language". Malaysian Journal of Fundamental and Applied Sciences. 14(1), 15 – 19, 2018.  
<https://doi.org/10.11113/mjfas.v14n1.727>

(2015)

1. **Muhammad Azrin Ahmad**, Nor Haniza Sarmin, Yuhani Yusof and Fong Wan Heng. “Some Restrictions on the Existence of Second Order Limit Language”. *Proceedings of The 22nd National Symposium on Mathematical Sciences (SKSM22)* AIP Conf. Proc. 1682, 020048 (1 – 7) (2015).  
<http://dx.doi.org/10.1063/1.4932457>

(2014)

1. **Muhammad Azrin Ahmad**, Nor Haniza Sarmin, Fong Wan Heng, and Yuhani Yusof. “An Extension of First Order Limit Language”. *Proceedings of The 3<sup>rd</sup> International Conference on Mathematical Sciences (ICMS3)* AIP Conf. Proc. 1602, 627 – 631 (2014).  
<http://scitation.aip.org/content/aip/proceeding/aipcp/10.1063/1.4882550>
2. **Muhammad Azrin Ahmad**, Nor Haniza Sarmin, Fong Wan Heng and Yuhani Yusof. “Second Order Limit Language in Variants Splicing System”. *Proceedings of The 21st National Symposium on Mathematical Sciences (SKSM21)* AIP Conf. Proc. 1605, 639 – 643 (2014).  
<http://scitation.aip.org/content/aip/proceeding/aipcp/10.1063/1.4887664>

(2012)

1. Yuhani Yusof, Nor Haniza Sarmin, Fong Wan Heng, T. Elizabeth Goode and **Muhammad Azrin Ahmad**. “An Analysis of Four Variants of Splicing System”. *Proceedings of The 20th National Symposium on Mathematical Sciences (SKSM20)* AIP Conf. Proc. 1522, 888 – 895 (2013).  
<http://scitation.aip.org/content/aip/proceeding/aipcp/10.1063/1.4801223>

SCOPUS

(2019)

1. Siti Hajar Mohd Khairuddin, Muhammad Azrin Ahmad and Noraziah Adzhar, “*Splicing System in Automata Theory: A Review*”. IOP Conference Proceeding. In Press
2. **Muhammad Azrin Ahmad**, Nor Haniza Sarmin, Fong Wan Heng, Yuhani Yusof and Noraziah Adzhar, “Second Order Limit Language with Two Cutting Sites”. *International Journal of Innovative Technology and Exploring Engineering*, 8(4S): 367 – 372, 2019.  
<https://www.ijitee.org/download/volume-8-issue-4s/>

(2015)

1. **Muhammad Azrin Ahmad**, Nor Haniza Sarmin, Fong Wan Heng and Yuhani Yusof, “A Comparison of Second Order and Non-Second Order Limit Language Generated by Yusof-Goode Splicing System”. *Jurnal Teknologi (Sciences & Engineering)*, 72(1): 27-31, 2015.

<http://www.jurnalteknologi.utm.my/index.php/jurnalteknologi/article/view/3062>

(2014)

1. **Muhammad Azrin Ahmad**, Nor Haniza Sarmin, Fong Wan Heng and Yuhani Yusof, “A New Relation of Second Order Limit Language in Simple and Semi-Simple Splicing System”. *Jurnal Teknologi (Sciences & Engineering) Special Issue in Science and Technology*, 71(5): 13 – 15, 2014.  
<http://www.jurnalteknologi.utm.my/index.php/jurnalteknologi/article/view/3845>

## PROCEEDINGS

### International Level

(2015)

1. Nor Haniza Sarmin, **Muhammad Azrin Ahmad** and Fong Wan Heng, “On the Mathematical Modelling of Splicing System in DNA Computing”. *Proceedings of The 7<sup>th</sup> SEAMS-UGM 2015 International Conference on Mathematics and Its Applications*, 18 – 21 August 2015, pp. 119 – 125, Conf. Proc. ISBN: 978-979-17979-4-8.

(2014)

1. **Muhammad Azrin Ahmad**, Nor Haniza Sarmin, Fong Wan Heng and Yuhani Yusof, “A New Relation of Second Order Limit language in Several Types of DNA Splicing System”. *Proceedings of The 5<sup>th</sup> International Graduate Conference on Engineering, Science and Humanities Postgraduate Conference 2014 (IGCESH 2014)*, UTM, 19 – 21 August 2014, pp. 95 – 96, Conf. Proc. ISSN: 1823-3278.
2. **Muhammad Azrin Ahmad**, Nor Haniza Sarmin, Fong Wan Heng and Yuhani Yusof, “Second Order Limit Language Associated with Two Rules”. *Proceedings of The 2<sup>nd</sup> International Science Postgraduate Conference 2014 (ISPC 2014)*, UTM, 10 – 12 March 2014, pp. 670 – 676, Conf. Proc. ISBN: 978-967-0194-39-4.

### Non-Indexed Journals/ Proceeding

1. **Muhammad Azrin Ahmad**, Nor Haniza Sarmin, Wan Heng Fong, Yuhani Yusof and Noraziah Adzhar, “Second Order Limit Language in Automata Theory”. *International Conference on Mathematics & Statistics (ICoMS-VI 2019)*. Universiti Putra Malaysia, Malaysia, 2 – 3 April 2019. *Jurnal KALAM (Karya Lorekan Asli Ahli Matematik)*, In Press.

## PAPERS PRESENTED IN SEMINAR/CONFERENCES

### International Level

#### (2019)

1. **Muhammad Azrin Ahmad**, Nor Haniza Sarmin, Wan Heng Fong, Yuhani Yusof and Noraziah Adzhar, “Second Order Limit Language in Automata Theory”. International Conference on Mathematics & Statistics (ICoMS-VI 2019). Universiti Putra Malaysia, Malaysia, 2 – 3 April 2019. (Invited Speaker – Presented).

#### (2018)

1. **Muhammad Azrin Ahmad**, Nor Haniza Sarmin, Fong Wan Heng, Yuhani Yusof and Noraziah Adzhar, “Second Order Limit Language with Two Cutting Sites”. The 5<sup>th</sup> International Conference on Quantitative Sciences & Its Applications. Universiti Utara Malaysia, Malaysia, 7 – 9 August 2018. (Presented).

#### (2015)

1. **Muhammad Azrin Ahmad**, Nor Haniza Sarmin and Fong Wan Heng, “On the Mathematical Modelling of Splicing System in DNA Computing”. The 7th SEAMS-UGM Conference 2015. Magister Management, Universitas Gadjadara, Sekeloa Utara, Yogyakarta, Indonesia, 18 – 21 August 2015. (Presented).

#### (2014)

1. **Muhammad Azrin Ahmad**, Nor Haniza Sarmin, Fong Wan Heng and Yuhani Yusof, “A New Relation of Second Order Limit Language In Several Types of DNA Splicing System”. The 3rd International Graduate Conference on Engineering, Science and Humanities. Block N24 UTM JB, 19 – 21 August 2014. (Presented).
2. **Muhammad Azrin Ahmad**, Nor Haniza Sarmin, Fong Wan Heng and Yuhani Yusof, “Second Order Limit Language Associated with Two Rules”. The 2<sup>nd</sup> International Science Postgraduate Conference 2014 (ISPC 2014), Ibnu Sina Institute for Fundamental Science Studies, 10 – 12 March 2014. (Presented).

#### (2013)

1. **Muhammad Azrin Ahmad**, Nor Haniza Sarmin, Fong Wan Heng, and Yuhani Yusof. “An Extension of First Order Limit Language”. The 3<sup>rd</sup> International Conference on Mathematical Sciences (ICMS3), Putra World Trade Centre, Kuala Lumpur, 17 – 19 December 2013. (Presented).



## National Level

(2019)

1. **Muhammad Azrin Ahmad**, Nor Haniza Sarmin, Fong Wan Heng, Yuhani Yusof & Noraziah Adzhar, “On the New Relation of Second Order Limit Language and Other Different Types of Splicing System”. Simposium Kebangsaan Sains Matematik ke-27 (SKSM 22), Hotel Tenera, Bangi, 26 – 27 November 2019.

(2014)

1. **Muhammad Azrin Ahmad**, Nor Haniza Sarmin, Fong Wan Heng and Yuhani Yusof, “Some Restrictions on The Existence of Second Order Limit Language”. Simposium Kebangsaan Sains Matematik ke-22 (SKSM 22), Hotel Grand BlueWave, Shah Alam, 24 – 26 November 2014. (Presented).

(2013)

1. **Muhammad Azrin Ahmad**, Nor Haniza Sarmin, Fong Wan Heng, and Yuhani Yusof. “Second Order Limit Language in Variants of Splicing Systems”. Simposium Kebangsaan Sains Matematik ke-21 (SKSM 21), The Gurney Resort Hotel and Residences, Pulau Pinang, 6 – 8 November 2013. (Presented).

(2012)

1. Yuhani Yusof, Nor Haniza Sarmin, Fong Wan Heng, T. Elizabeth Goode and **Muhammad Azrin Ahmad**. “An Analysis of Four Variants of Splicing System”. Simposium Kebangsaan Sains Matematik ke-20 (SKSM 20), Palm Garden Hotel, Putrajaya, 18 – 20 December 2012.

## POSTER PRESENTED IN SEMINAR/CONFERENCES

### International Level

(2013)

1. **Muhammad Azrin Ahmad**, Nor Haniza Sarmin, Fong Wan Heng, Yuhani Yusof. “On The Characteristics of Second Order Limit Language”. The Asian Mathematical Conference 2013 (AMC 2013), 30 June – 4 July 2013.

## INTELLECTUAL PROPERTY

### Copyright

1. Muhammad Azrin Ahmad, Nor Haniza Sarmin, Fong Wan Heng, Mohd Firdaus Abdul-Wahab and Yuhani Yusof “Gel Photo Visualisation of Second Order Limit Language”, 15 Mei 2016 (UTM.J.14.01/27.13/1JLD108(66)).

## LOCAL RESEARCH COLLABORATORS

1. Prof. Dr. Nor Haniza Sarmin, Department of Mathematical Sciences, Universiti Teknologi Malaysia, Johor Bahru, Johor (nhs@utm.my)
2. Dr. Fong Wan Heng, Department of Mathematical Sciences, Universiti Teknologi Malaysia, Johor Bahru, Johor (fwh@utm.my)

## RESEARCH GRANTS

### Principal Investigator

1. Title : Mathematical Modelling of a New Type of Splicing Languages in DNA Splicing Systems  
Date of Research : 10 February 2017 – 09 February 2019  
Vote No./ Sponsor : Seed Money (RDU17116), UMP  
Amount : RM 5,500.00  
Researcher : Dr Muhammad Azrin Ahmad
2. Title : Development of Second Order Limit Language in Various Splicing Models  
Date of Research : 25 August 2017 – 24 August 2019  
Vote No./ Sponsor : RDU1703278, UMP  
Amount : RM 20,000.00  
Researcher : Dr Muhammad Azrin Ahmad, Dr Mohd Sham Mohamad & Dr Noraziah Adzhar
3. Title : A Fundamental Research on Characterisation of Second Order Limit Language Using Automata Theory in DNA Splicing System  
Date of Research : 1 January 2019 – 31 December 2020  
Vote No./ Sponsor : RDU190118/ FRGS (MOE)  
Amount : RM56,600.00  
Researcher : Dr Muhammad Azrin Ahmad, Dr Mohd Sham Mohamad, Dr Noraziah Adzhar, Dr Aizi Nor Mazila Ramli, Prof Dr Nor Haniza Sarmin & Dr Fong Wan Heng

### Member

1. Title : New Algorithm for Obstacle-aware Routing Problem in VLSI design using VNS and Simulated Annealing Approach  
Date of Research : 1 September 2019 – 31 August 2021  
Vote No./ Sponsor : RDU/ FRGS MOE  
Amount : RM 59,200.00  
Researcher : Dr Noraziah Adzhar, Prof Dr Shaharuddin Salleh,

Dr Farhana Johar, Dr Mohd Khairul Bazli Aziz, Dr Muhammad Azrin Ahmad & Assoc Prof Dr Yuhani Yusof

2. Title : Development of Fifth-Stage Stochastic Runge-Kutta (SRK5) Method for Stochastic Differential Equations and Simulated Annealing Approach  
Date of Research : 1 April 2018 – 31 March 2020  
Vote No./Sponsor : RDU180301, UMP  
Amount : RM 20,000.00  
Researcher : Dr Norhayati Rosli, Dr Muhammad Azrin Ahmad, Dr Abdul Rahman Mohd Kasim, Assoc Prof Dr Mohd Zuki Salleh & Assoc Prof Dr Yeak Su Hoe
  
3. Title : Routing Algorithm for Semi Diagonal Torous Network with Dijkstra's Model Shortest Path Based Algorithm Using VNS and Simulated Annealing Approach  
Date of Research : 30 June 2017 – 29 June 2019  
Sponsor : RDU1703188, UMP  
Amount : RM 20,000.00  
Researcher : Dr Noraziah Adzhar, Dr Muhammad Azrin Ahmad & Dr Yuhani Yusof

## EDITOR/REVIEWER

### (2019)

1. "On the Relation between *CT*-Groups and *NSP*-Groups on Finite Groups", IOP Proceedings for The 2<sup>nd</sup> International Conference on Applied & Industrial Mathematics and Statistics (ICoAIMS 2019). June 2019.
2. "On the Generalized Radimacher-Menchoff Theorem for general Spectral Decomposition of the Elliptic Differential Operators", IOP Proceedings for The 2<sup>nd</sup> International Conference on Applied & Industrial Mathematics and Statistics (ICoAIMS 2019). May 2019.
3. "Approximate Relations between Manhattan and Euclidean Distance regarding Latin Hypercube Experimental Design", IOP Proceedings for The 2<sup>nd</sup> International Conference on Applied & Industrial Mathematics and Statistics (ICoAIMS 2019). May 2019.
4. "Second Hankel Determinant for Bounded Turning Functions of Order Beta of Certain Subclasses of Analytic Functions", IOP Proceedings for The 2<sup>nd</sup> International Conference on Applied & Industrial Mathematics and Statistics (ICoAIMS 2019). May 2019.
5. "Finitely Memory Strategies in Special Buchi Games with Inductive Measurable Payoffs", IOP Proceedings for The 2<sup>nd</sup> International Conference on Applied & Industrial Mathematics and Statistics (ICoAIMS 2019). May 2019.

6. “Generalisations of Splicing languages in DNA Splicing Systems Involving Two Palindromic Restriction Enzymes”, Malaysian Journal of Fundamental and Applied Sciences (MJFAS), 7 January 2019.
7. “DNA Splicing Systems with at most Two Cutting Sites of a non-Palindromic Restriction Enzyme”, Matematika, 2 January 2019.

**(2018)**

1. “Risk Factors of Cardiovascular Disease Among ST Elevation Myocardial Infarction Male Patients in Malaysia from 2006 to 2013”, Jurnal Teknologi, 22 May 2018.
2. “Computation of Splicing Languages from DNA Splicing System with One Palindromic Restriction Enzyme”, Malaysian Journal of Fundamental and Applied Sciences (MJFAS), 16 January 2018.

**(2017)**

1. “Sensitive Dependence on Initial Conditions for an Example of Markov Maps: Skewed Doubling Map”, Special Issue Matematika for International Seminar on Mathematics in Industry (ISMI 2017). August 2017.
2. “Risk Factors of Cardiovascular Disease Among ST Elevation Myocardial Infarction Male Patients in Malaysia from 2006 to 2013”, Special Issue Matematika for International Seminar on Mathematics in Industry (ISMI 2017). August 2017.
3. “On the Almost Everywhere Convergence of the Eigenfunction Expansions from Liouville Classes  $L_1^{\alpha T^N}$ ”, IOP Proceedings for The 1<sup>st</sup> International Conference on Applied & Industrial Mathematics and Statistics (ICoAIMS 2017). July 2017.
4. “Adaptive Variational Multiscale Element Free Galerkin Method for Elliptical Ring Solitons”, IOP Proceedings for The 1<sup>st</sup> International Conference on Applied & Industrial Mathematics and Statistics (ICoAIMS 2017). July 2017.
5. “Analytic Solutions of Fractional Integro-Differential Equations of Volterra Type”, IOP Proceedings for The 1<sup>st</sup> International Conference on Applied & Industrial Mathematics and Statistics (ICoAIMS 2017). July 2017.
6. “A New Kind of Symmetric Matrix”, IOP Proceedings for The 1<sup>st</sup> International Conference on Applied & Industrial Mathematics and Statistics (ICoAIMS 2017). July 2017.
7. “The Chromaticity of a Type of 6-Bridge Graph”, IOP Proceedings for The 1<sup>st</sup> International Conference on Applied & Industrial Mathematics and Statistics (ICoAIMS 2017). July 2017.
8. “Asymptotical Formula For The Riesz Means Of The Spectral Functions Of Laplace-Beltrami Operator On Unit Sphere”, IOP Proceedings for The 1<sup>st</sup> International Conference on Applied & Industrial Mathematics and Statistics (ICoAIMS 2017). July 2017.
9. “On the Baseness of the Root Functions of Differential Operators with Involution”, IOP Proceedings for The 1<sup>st</sup> International Conference on Applied & Industrial Mathematics and Statistics (ICoAIMS 2017). July 2017.
10. “Compatible Pair of Actions for Two Same Cyclic Groups of 2-Power Order”, IOP Proceedings for The 1<sup>st</sup> International Conference on Applied & Industrial Mathematics and Statistics (ICoAIMS 2017). July 2017.

11. “Differentiating the persistency and permanency of two stages DNA splicing language via Yusuf-Goode (Y-G) approach”, IOP Proceedings for The 1<sup>st</sup> International Conference on Applied & Industrial Mathematics and Statistics (ICoAIMS 2017). July 2017.
12. “Impulse Elimination for Positive Singular Systems Using Derivative Output Feedback”, IOP Proceedings for The 1<sup>st</sup> International Conference on Applied & Industrial Mathematics and Statistics (ICoAIMS 2017). July 2017.
13. “Representation of Multi-Connected System of Fuzzy State Space Modeling (FSSM) in Potential Method based on a Network Context”, Special Issue (International Science Postgraduate Conference, ISPC 2017) Malaysian Journal of Fundamental and Applied Sciences (MJFAS), March 2017.
14. “The Independence Polynomial of  $n$ -th Central Graph of Dihedral Groups”, Special Issue (International Science Postgraduate Conference, ISPC 2017) Malaysian Journal of Fundamental and Applied Sciences (MJFAS), March 2017.
15. Expert Review for Chapter 4 – 6, Linear Algebra book published by Oxford Fajar.

## **EXAMINER/SECRETARIAT**

### **Internal**

1. Mohammed Khalid Shahoodh, Viva-Voce PhD, Compatible Actions for Finite Cyclic Groups of  $p$ -power Order, February, 8, 2018.
2. Sahimel Azwal Sulaiman, Viva-Voce PhD (B2), The Compatible Action Graph for Cyclic Groups of 2- power Order, November, 1, 2017.
3. Mohammed Khalid Shahoodh, Pre Viva PhD, Compatible Actions for Finite Cyclic Groups of  $p$ -power Order, October, 11, 2017.
4. Sahimel Azwal Sulaiman, Pre Viva PhD, The Compatible Action Graph for Cyclic Groups of 2- power Order, May, 12, 2017.

### **Secretariat**

1. Nur Syamila binti Arifin, Viva-Voce PhD, June, 13, 2019
2. Anju V. Nair, Viva-Voce PhD, March, 20, 2018.

## **CONSULTATION**

### **(2018)**

1. Bengkel Asas LaTeX, 18 July 2018, Mathematics Support Centre, UMP Gambang, Pahang.

### **(2017)**

2. Perundingan/Latihan bersama Kolej Kemahiran Tinggi MARA, 20 July 2017, KKTM Cawangan Kuantan, Pahang.

## **SEMINARS/WORKSHOP/MEETINGS ATTENDED**

### **(2019)**

1. Bengkel Self-Paced Learning (SPL), Pusat Inovasi & Daya Saing Akademik(CAIC) & Pusat Sumber Pengajaran & e-Pembelajaran, 15 – 16 April 2018, The Zenith Hotel, Kuantan.

### **(2018)**

1. Bengkel Penambahbaikan Kualiti Kursus MOOC bagi “Credit Transfer MOOC – UTM” dan Validasi Kursus UMP MOOC 2018, 3 – 4 Disember 2018, Vistana Hotel, Kuantan.
2. Kursus Pembangunan Kuiz (Assessment) Menggunakan KALAM, 5 October 2018, Mathematics Support Centre, UMP Gambang, Pahang.
3. Bengkel Teknikal Personal Blog, 16 Aug 2018, Makmal Komputer Perpustakaan UMP Gambang, Pahang.
4. Kursus Quality of Postgraduate Supervision, 5 June 2018, Faculty of Industrial Management, UMP Gambang, Pahang.
5. Bengkel Penambahbaikan Kualiti Kursus MOOC bagi “Credit Transfer MOOC – UTM” dan Validasi Kursus UMP MOOC 2018, 1 – 3 June 2018, Duyong Marina & Resort, Pulau Duyong, Terengganu.
6. Bengkel Semakan Akhir Dokumen Permohonan Akreditasi bagi 11 Program Pascasiswazah UMP, 27 – 28 April 2018, Dewan Tun Teja, UMP Gambang & Hotel Vistana Kuantan, Pahang.
7. Bengkel Visual Basic Application Siri II, 28 Februari 2018, Mathematics Support Centre, UMP Gambang, Pahang.
8. Promosi Master of Science (Industrial Mathematics), 14 February 2018, SBPi Temerloh, Pahang.
9. AGM PAKAD, 9 February 2018, Mangala Resort & Spa, Gambang, Pahang.

### **(2017)**

1. Kursus Asas Pengajaran dan Pembelajaran (P&P) Modul 7 (Practicum), 27 July 2017, Dewan Latihan BPM1, Bangunan PTMK, UMP Pekan.
2. Sesi Pembangunan Kursus MOOC 2017, 14 July 2017, Bilik Komputer PBMSK, UMP Pekan.
3. Program Transformasi Minda Siri 1/2017, 4 – 13 July 2017, Dewan Latihan BPM1, Bangunan PTMK, UMP Pekan.
4. Kursus Asas Pengajaran dan Pembelajaran (P&P) Modul 6 (Professional Practices), 8 June 2017, Dewan Latihan BPM1, Bangunan PTMK, UMP Pekan.
5. Kursus Joomla 3.0, 11 Mei 2017, Bilik Komputer Perpustakaan UMP Pekan.
6. Kursus Asas Pengajaran dan Pembelajaran (P&P) Modul 3 (Understanding Teaching & Learning), 11 April 2017, Dewan Latihan BPM1, Bangunan PTMK, UMP Pekan.
7. Kursus Asas Pengajaran dan Pembelajaran (P&P) Modul 2 (Curriculum Design), 30 Mar 2017, Dewan Latihan BPM1, Bangunan PTMK, UMP Pekan.
8. Kursus Asas Pengajaran dan Pembelajaran (P&P) Modul 1 (Academic Leadership), 3 Mar 2017, Dewan Latihan BPM1, Bangunan PTMK, UMP Pekan.

9. Mooc Development Workshop Series 1, 6 – 7 Feb 2017, Dewan Latihan BPM2, Bangunan PTMK, UMP Pekan.
10. Bengkel Pemurnian Dokumen Program Sarjana Sains (Komputasi Industri) bersama Pihak Industri Siri 2, 2 Feb 2017, Mathematics Support Centre, UMP Gambang.
11. Bengkel Hands On Performance Management System (PMS), 26 Jan 2017, Makmal Komputer FSK22 & FSK23, Blok Y, UMP Gambang.
12. Town Hall: Multitrack Career Pathway-Plan Your Future, 19 Jan 2017, Astaka, UMP Gambang.

**(2016)**

1. Bengkel Penerbitan Akademik & Impak Siri 1, 20 Dec 2016, The Zenith Hotel, Kuantan, Pahang.
2. Kursus Asas Pengajaran dan Pembelajaran (P&P) Modul 4 (Effective Teaching and Learning), 14 Dec 2016, Dewan Latihan KPU, UMP Gambang.
3. Bengkel Pemurnian Dokumen Program Sarjana Sains (Komputasi Industri) bersama Pihak Industri Siri 1, 2 Dec 2016, Mathematics Support Centre, UMP Gambang.
4. Monthly Mathematical Colloquium (MMC) Bil 4 2016, 30 Nov 2016, Mathematics Support Centre (MSC), UMP Gambang.
5. Majlis Syarahan Umum oleh YBhg. Tan Sri Dr Noorul Ainur Mohd. Ketua Setiausaha Kementerian Pengajian Tinggi, 28 Nov 2016, Kompleks Sukan UMP, UMP Gambang.
6. Kursus Asas Pengajaran dan Pembelajaran (P&P) Modul 5 (Learning Assessment and Evaluation), 9 Nov 2016, Dewan Latihan BPB 1 Bangunan PTMK, UMP Pekan.
7. UTM Toastmasters Club Bi-weekly Meeting, 21 July 2016, Meeting Room Level 2, G08, KRP, UTM JB.
8. UTM Toastmasters Club Bi-weekly Meeting, 16 June 2016, Meeting Room Level 2, G08, KRP, UTM JB (Toastmasters of the Day).
9. UTM Toastmasters Club Bi-weekly Meeting, 1 June 2016, Meeting Room Level 2, G08, KRP, UTM JB (Speaker for Prepared Speech: Project P10 and Best Speaker for Table Topics).
10. UTM Toastmasters Club Bi-weekly Meeting, 26 May 2016, Meeting Room Level 2, G08, KRP, UTM JB (Speaker for Prepared Speech: Project P9 and Best Speaker for Table Topics).
11. UTM Toastmasters Club Bi-weekly Meeting, 12 May 2016, Meeting Room Level 2, G08, KRP, UTM JB (Speaker for Prepared Speech: Project P8 and Best Speaker for Table Topics).
12. UTM Toastmasters Club Bi-weekly Meeting, 5 May 2016, Meeting Room Level 2, G08, KRP, UTM JB (Speech Evaluator for Prepared Speech: Project P1).
13. UTM Toastmasters Club Bi-weekly Meeting, 21 April 2016, Meeting Room Level 2, G08, KRP, UTM JB (Speech Evaluator for Prepared Speech: Project P3).
14. UTM Toastmasters Club Bi-weekly Meeting, 7 April 2016, Meeting Room Level 2, G08, KRP, UTM JB (Speaker for Prepared Speech: Project P7).
15. UTM Aces Toastmasters Club Meeting, 27 March 2016, Meeting Room Level 1, M38, KTDI & K11, UTM JB (General Evaluator).

16. UTM Toastmasters Club Bi-weekly Meeting, 24 March 2016, Meeting Room Level 2, G08, KRP, UTM JB (Speaker for Prepared Speech: Project P6).
17. UTM Toastmasters Club Bi-weekly Meeting, 25 February 2016, Meeting Room Level 2, G08, KRP, UTM JB (Speech Evaluator for Prepared Speech, Project 2).
18. UTM Toastmasters Club Bi-weekly Meeting, 18 February 2016, Meeting Room Level 2, G08, KRP, UTM JB (Speaker for Prepared Speech: Project P5).
19. UTM Toastmasters Club Bi-weekly Meeting, 28 January 2016, Meeting Room Level 2, G08, KRP, UTM JB (Speaker for Prepared Speech: Project P4).
20. UTM Toastmasters Club Bi-weekly Meeting, 21 January 2016, Meeting Room Level 2, G08, KRP, UTM JB (Timer).

**(2015)**

1. A<sup>3</sup>G Monthly Meeting and Seminar (Mock VIVA Master & PhD) Semester 1 2015/16, 2 December 2015, Meeting and Presentation Room, Department of Mathematical Sciences, Faculty of Science, UTM JB.
2. Departmental Colloquium 2015 (Mathematics) – Series 3, 17 November 2015, Lecture Room 2, C17, Faculty of Science, UTM JB.
3. UTM Toastmasters Club Bi-weekly Meeting, 11 November 2015, Meeting Room Level 2, G08, KRP, UTM JB (Table Topics Evaluator).
4. UTM Toastmasters Club Bi-weekly Meeting, 5 November 2015, Meeting Room Level 2, G08, KRP, UTM JB (Speaker for Prepared Speech: Project P3).
5. A<sup>3</sup>G Monthly Meeting and Seminar (Mock 1<sup>st</sup> Assessment PhD + Mock VIVA PhD) Semester 1 2015/16, 27 October 2015, Meeting and Presentation Room, Department of Mathematical Sciences, Faculty of Science, UTM JB.
6. Open VIVA of Dr Mundzir Abdullah, 19 October 2015, CTL Hall (Block F54), SPS, UTMJB
7. Area A5, Division A, District 51 Toastmasters International Humorous Speech and Evaluation Contest 2015, 3 October 2015, SUNWAY COLLEGE Johor Bahru (organizing Chairperson).
8. UTM Toastmasters Club Bi-weekly Meeting, 30 September 2015, Meeting Room Level 3, G08, KRP, UTM JB (Toastmaster of the Evening).
9. UTM Toastmasters Club Bi-weekly Meeting, 15 September 2015, Meeting Room Level 3, G08, KRP, UTM JB (Table Topics Speaker).
10. UTM ACES Toastmasters Club Humorous Speech and Evaluation Contest, 14 September 2015, Meeting Room, S01, KTC, UTM JB (Ballot Counter).
11. UTM Toastmasters Club Humorous Speech and Evaluation Contest, 2 September 2015, Meeting Room Level 3, G08, KRP, UTM JB (Contest Chairperson).
12. UTM Toastmasters Club Bi-weekly Meeting, 19 August 2015, Meeting Room Level 3, G08, KRP, UTM JB (Speaker for Prepared Speech: Project P2).
13. Tips of Attending a Viva-Voce by School of Graduate Studies, 16 August 2015, Meeting Room 3, SPS F54, UTM JB.
14. UTM Toastmasters Club Bi-weekly Meeting, 11 August 2015, Meeting Room Level 3, G08, KRP, UTM JB (Sergeant At Arms).



15. UTM Toastmasters Club Bi-weekly Meeting, 29 July 2015, Meeting Room Level 3, G08, KRP, UTM JB (Speaker for Prepared Speech: Project P1. Won best speaker).
16. UTM Toastmasters Club Bi-weekly Meeting, 16 June 2015, Meeting Room, Department of Physics, Faculty of Science, UTM JB (Master of Table Topic).
17. A<sup>3</sup>G Monthly Meeting and Seminar (Mock 1<sup>st</sup> Assessment PhD) Semester 2 2014/15, 4 June 2015, Meeting and Presentation Room, Department of Mathematical Sciences, Faculty of Science, UTM JB.
18. UTM Toastmasters Club Bi-weekly Meeting, 3 June 2015, Meeting Room, Department of Physics, Faculty of Science, UTM JB (Toastmaster of the Evening).
19. GAP Workshop, 29 May 2015, Meeting Room 3, School of Graduate Studies (SPS), UTM JB.
20. UTM Toastmasters Club Bi-weekly Meeting, 20 May 2015, Meeting Room, Department of Physics, Faculty of Science, UTM JB (Ah Counter).
21. International Workshop on Graph Algorithms (IWGA2015), 13 May 2015, Kompleks Eureka, Universiti Sains Malaysia, Penang, Malaysia.
22. Course on Graph Algorithms and Its Industrial Applications – Tutorial and Case Studies, 11 – 12 May 2015, Kompleks Eureka, Universiti Sains Malaysia, Penang, Malaysia.
23. UTM Toastmasters Club Bi-weekly Meeting, 6 May 2015, Meeting Room, Department of Physics, Faculty of Science, UTM JB (Table Topics Speaker).
24. A<sup>3</sup>G Monthly Meeting and Seminar Semester 2 2014/15, 12 March 2015, Meeting and Presentation Room, Department of Mathematical Sciences, Faculty of Science, UTM JB.
25. How to Write a Great Paper and Get It Published in a Research Journal by Dierdre Dunne, Journal Publisher – Environmental Science and Health, Elsevier, 4 March 2015, DSI UTM.

**(2014)**

1. Workshop on “Automata and Formal Languages: Theory and Applications”, by Prof Dr K. G. Subramanian in conjunction with School of Computer Sciences, 26 – 27 November 2014, Auditorium 3, Kompleks Eureka, USM Penang.
2. IIS Seminar Series 57, “An Algorithm for Probabilistic Splicing System” by Dr Fong Wan Heng, 18 November 2014, Meeting Room, Ibnu Sina Institute, UTM JB.
3. Mock VIVA Master by Research students by Applied Algebra and Analysis Group (A3G), 16 November 2014, Meeting and Presentation Room, Department of Mathematical Sciences, Faculty of Science, UTM JB.
4. A<sup>3</sup>G Monthly Meeting and Seminar Semester 1 2014/15, 11 November 2014, Meeting and Presentation Room, Department of Mathematical Sciences, Faculty of Science, UTM JB.
5. Presenter at Mathematics Postgraduate Colloquium 2014 by Postgraduate Student Society Faculty of Science, 28 October 2014, Dewan Kuliah 1 C17, Faculty of Science, UTM JB.
6. Plagiarism and Paraphrasing Workshop by Postgraduate Student Society Faculty of Science, 4 June 2014, Dewan Kuliah 2, Faculty of Science, UTM JB.
7. A<sup>3</sup>G Monthly Meeting and Seminar Semester 2 2013/14, 21 April 2014, Meeting and Presentation Room, Department of Mathematical Sciences, Faculty of Science, UTM JB.

8. Mind Your Grammar Workshop by Language Academy, 12 April 2014, Lecture Room 7, D06, FPPSM, UTM JB.
9. A<sup>3</sup>G Monthly Meeting and Seminar Semester 2 2013/14, 24 March 2014, Meeting and Presentation Room, Department of Mathematical Sciences, Faculty of Science, UTM JB.
10. Author's Workshop by Dean Eastbury, Elsevier Exclusive Publisher, 18 March 2014, CTL Hall, F54, UTM JB.
11. How to Defend Workshop by PGSSUTM & SPS, 5 March 2014, Lecture Hall 8, N24, UTM JB.
12. Korea Level 1 Class by Language Academy, 26 Feb, 5, 26 March, 9 & 23 April 2014, Lecture Room 5, D05, FPPSM, UTM JB.
13. ELSP: Academic Postgraduate Writing, 25 Feb, 4, 18 & 25 March, 8 April 2014, Lecture Room 6, D05, FPPSM, UTM JB.
14. Turn-It-In Workshop by PGSSUTM & SPS, 27 Feb 2014, Computer Lab 3, Level 3, Block D07, CICT UTM JB.
15. A<sup>3</sup>G Research Grant Proposal Writing Workshop, 26 Feb 2014, Meeting and Presentation Room, Department of Mathematical Sciences, Faculty of Science, UTM JB.
16. How to Publish and Graduate on Time Workshop by PGSSUTM & SPS, 19 Feb 2014, Lecture Hall 8, N24, UTM JB.
17. A<sup>3</sup>G Monthly Meeting and Seminar Semester 2 2013/14, 17 Feb 2014, Meeting and Presentation Room, Department of Mathematical Sciences, Faculty of Science, UTM JB.

**(2013)**

1. A<sup>3</sup>G Monthly Meeting and Seminar Semester 1 2013/14, 27 Nov 2013, Meeting and Presentation Room, Department of Mathematical Sciences, Faculty of Science, UTM JB.
2. Seminar Series, "Group Theory: From Early Beginnings to Some Recent Developments" by Prof Said Najati Sidki visiting professor from University of Brasilia, Brazil, 24 Oct 2013, Lecture Theater 1, Ibnu Sina Institute, UTM JB.
3. Lecture Series Part 3, "A Finiteness Criteria and Commutativity in Groups" by Prof Said Najati Sidki visiting professor from University of Brasilia, Brazil, 23 Oct 2013, Meeting and Presentation Room, Department of Mathematical Sciences, Faculty of Science, UTM JB.
4. Lecture Series Part 2, "Growth of Automata and The Adding Machine" by Prof Said Najati Sidki visiting professor from University of Brasilia, Brazil, 22 Oct 2013, Meeting and Presentation Room, Department of Mathematical Sciences, Faculty of Science, UTM JB.
5. Lecture Series Part 1, "Automorphisms of Trees and Automata" by Prof Said Najati Sidki visiting professor from University of Brasilia, Brazil, 21 Oct 2013, Meeting and Presentation Room, Department of Mathematical Sciences, Faculty of Science, UTM JB.
6. Book Chapter Writing Workshop 2013 by Nanotechnology Research Alliance, 10 Oct 2013, Theater 2, Ibnu Sina Institute for Fundamental Science Studies, UTM JB.
7. A<sup>3</sup>G Monthly Meeting and Seminar Semester 1 2013/14, 30 Sep 2013, Meeting and Presentation Room, Department of Mathematical Sciences, Faculty of Science, UTM JB.
8. A<sup>3</sup>G Monthly Meeting and Seminar Semester 1 2013/14, 11 Sep 2013, Meeting and Presentation Room, Department of Mathematical Sciences, Faculty of Science, UTM JB.

9. Seminar on “How To Write A Good Scientific Paper In A Highly Impact Factor Journal: Tips from Editor-in-Chief” by Prof Dr Hamido Fujita from Iwate Prefectural University, Japan, 10 Sep 2013, Theater 1, Ibnu Sina Institute for Fundamental Science Studies, UTM JB.
10. Book Chapter Writing Workshop 2013 by Nanotechnology Research Alliance, 27 Aug 2013, Theater 2, Ibnu Sina Institute for Fundamental Science Studies, UTM JB.
11. Book Chapter Writing Workshop 2013 by Applied Algebra and Analysis Group (A<sup>3</sup>G), 25 July 2013, Meeting & Presentation Room, Department of Mathematical Sciences, Faculty Science, UTM JB.
12. Colloquium on “Fast Numerical Conforming Mapping of Multiply Connected Region” by Assoc. Prof. Dr. M. S. Nasser from King Khaled University, 8 July 2013, C19 314, Faculty of Science, UTM JB.
13. LaTeX Workshop, 19 – 20 June 2013, Computer Lab 3 (C22 Level 3), Department of Mathematical Sciences, Faculty of Science, UTM JB.
14. A<sup>3</sup>G Monthly Meeting and Seminar Semester 2 2012/13, 22 April 2013, Meeting and Presentation Room, Department of Mathematical Sciences, Faculty of Science, UTM JB.
15. GAP Workshop, 18 – 19 April 2013, Meeting & Presentation Room, Department of Mathematical Sciences, Faculty of Science, UTM JB.
16. International Graduate Conference on Engineering, Sciences and Humanities (IGCESH 2013), 16 – 17 April 2013, N24, UTM JB.
17. A<sup>3</sup>G Monthly Meeting and Seminar Semester 2 2012/13, 18 March 2013, Meeting and Presentation Room, Department of Mathematical Sciences, Faculty of Science, UTM JB.
18. Acing Your Abstract Workshop, 14 March 2013, Lab D D05, Language Academy, Faculty of Management, UTM JB.
19. A<sup>3</sup>G Monthly Meeting and Seminar Semester 2 2012/13, 25 Feb 2013, Meeting and Presentation Room, Department of Mathematical Sciences, Faculty of Science, UTM JB.
20. Go Grasp Grammar Class, 20 Feb 2013, N24, UTM JB.
21. Seminar Matematik Penyelidikan Kedua, 31 Jan 2013, Fakulti Sains dan Teknologi Industri, UMP Gambang, Pahang.

**(2012)**

1. Colloquium on “New Approaches to Optimizing The Size of Dixon Matrices” by Seyed Mehdi Karimi Sangdehi, 31 Oct 2012, DK2 C17, faculty of Science, UTM JB.
2. Seminar on “Postgraduate Research and Publication in ISI journal- My Personal Experience in UTM” by Dr Ali Wahab Kareem Sangawi, Sulaimani University, Iraq, 17 Oct 2013, DK2, Faculty of Science, UTM JB.
3. A<sup>3</sup>G Monthly Meeting and Seminar Semester 1 2012/13, 24 Sept 2013, Meeting and Presentation Room, Department of Mathematical Sciences, Faculty of Science, UTM JB.

## OTHER ACTIVITIES

### (2019)

1. **Jawatankuasa Portal**, Fakulti Sains & Teknologi Industri 2019-20.
2. **PIC of Information Management & Portal**, Applied and Industrial Mathematics (AIMs), 25 February 2019 – 24 February 2021, Program of Science, Faculty of Industrial Sciences & Technology, UMP Gambang.
3. **Treasurer I**, 2<sup>nd</sup> International Conference on Applied & Industrial Mathematics and Statistics (ICoAIMS 2019), 23 – 25 July 2019, The Zenith Hotel, Kuantan Pahang.

### (2018)

1. **Panel**, Applied & Industrial Mathematics Postgraduate Poster Symposium. Applied & Industrial Mathematics (AIMs) Research Cluster. 12 December 2018. Mathematics Support Centre, UMP Gambang, Pahang.
2. **JK**, Pascasiswazah Mod Campuran (Promosi) FSTI, 1 September 2018 – 30 Disember 2020.

### (2017)

1. **PIC of Information Management & Portal**, Applied and Industrial Mathematics (AIMs), 25 February 2017 – 24 February 2019, Program of Science, Faculty of Industrial Sciences & Technology, UMP Gambang.
2. **JK & Setiausaha**, Unit Insaniah & Kebajikan (UnIK) FSTI, 2 Januari 2017 – 31 Disember 2018.
3. **Ahli Jawatankuasa**, Mathematics Support Centre (MSC), 1 Jan 2017 – 31 Disember 2018, Mathematics Support Centre (MSC), Program of Science, Faculty of Industrial Sciences & Technology, UMP Gambang.
4. **Jawatankuasa Kecil Promosi & Publisiti**, Fakulti Sains & Teknologi Industri 2017-18, 10 Februari 2017 – 9 Februari 2018.
5. **Ahli Jawatankuasa**, Kem Sainis Muda 2017, 13 – 16 Aug 2017, UMP – JPN Pahang, UMP Gambang.
6. **Treasurer II**, 1<sup>st</sup> International Conference on Applied & Industrial Mathematics and Statistics, 8 – 10 August 2017, Hotel vistana, Kuantan Pahang.
7. **Printing & Material Unit**, Workshop on Master of Science (Industrial Computing) Program Document with Industry Series 3, 5 April 2017, Mathematics Support Centre (MSC), UMP Gambang.
8. **Ahli Jawatankuasa**, Sudoku Battle 2017, 22 Mar 2017, Mathematics Support Centre (MSC), UMP Gambang.
9. **Fasilitator**, Program Pemantapan Pembelajaran Matematik dan Matematik Tambahan bagi Pelajar SBPI Temerloh, Pahang, 8 Feb 2017, WDK12 & MSC, UMP Gambang.
10. **Fasilitator**, Program Pemantapan Pembelajaran Matematik dan Matematik Tambahan bagi Pelajar SMK Seri Pekan, Pahang, 8 Feb 2017, WDK12 & MSC, UMP Gambang.

11. **Head of Food & Beverages Unit**, Workshop on Master of Science (Industrial Computing) Program Document with Industry Series 2, 2 Feb 2017, Mathematics Support Centre (MSC), UMP Gambang.

**(2016)**

12. **Head of Technical Unit**, Workshop on Master of Science (Industrial Computing) Program Document with Industry, 2 Dec 2016, Mathematics Support Centre (MSC), UMP Gambang.
13. **Member of the Academic Procession**, UMP 11<sup>th</sup> Convocation Ceremony 2016, 21 November 2016, UMP Sport Complex.
14. **Treasurer**, 6<sup>th</sup> International Graduate Conference on Engineering, Science and Humanities (IGCESH2016), 15 – 17 August 2016, N24 UTMJB.
15. **Performer**, 6<sup>th</sup> International Graduate Conference on Engineering, Science and Humanities (IGCESH2016) Dinner, 16 August 2016, Banquet Hall, UTMJB.
16. **Facilitator**, Karnival Kerjaya bersama Alumni Fakulti Sains, Lecture Hall 1, C17, Faculty of Science, 26 April 2016, UTMJB.
17. **Speaker**, Sharing Session with Juniors, 15 April 2016, SMK Paya Pulai, Temerloh, Pahang
18. **Participant**, 3 Minute Thesis (3MT) at Faculty Level, Faculty of Science, Seminar Room 1, Level 3, T05 Cluster Building, 3 March 2016, UTMJB.
19. **MC**, 4th International Science Postgraduate Conference (ISPC 2016), Ibnu Sina Institute for Fundamental Science Studies (IIS), 22 – 24 February 2016, UTMJB.

**(2015)**

20. **Assistant** of PERSAMA's Booth at Simposium Kebangsaan Sains Matematik 2015 (SKSM23), 24 – 26 November 2015, Pulau Spring Resort, JB, Johor.
21. **Exhibitor**, UTMost Imagination, Innovation and Creativity Festival 2015 "Fun with Techno Science, Padang Kawad UTM, 21 – 26 October 2015, UTMJB.
22. **Assistant Invigilator** of Olimpiad Matematik Kebangsaan (OMK) 2015, 11 July 2015, UTM JB.
23. **Unit of Technical** of Olimpiad Matematik Kebangsaan (OMK) 2015, 11 July 2015, UTM JB.
24. **Performer**, The 5<sup>th</sup> International Graduate Conference on Engineering, Science and Humanities (IGCESH 2014) Appreciation Night and Best PGSS Award, Dewan Alumni, 13 April 2015, UTM JB.
25. **MC**, UTM 3 Minute Thesis (3MT) Competition 2015 – Closing Ceremony by School of Graduate Studies (SPS), 25 March 2015, V01 Faculty of Biosciences & Medical Engineering, UTM JB.
26. **MC & Unit of Publication and Proceeding**, The 3<sup>rd</sup> International Science Postgraduate Conference (ISPC 2015) by PGSSFS in collaboration with School of Graduate Studies (SPS), 24 – 26 February 2015, Ibnu Sina Institute for Fundamental Science Studies, UTM JB.

**(2014)**

1. **MC & Unit of Technical**, Majlis Makan Malam Staf Jabatan Sains Matematik by Department of Mathematical Sciences, 17 December 2014, Dewan Sultan Iskandar, UTM JB.
2. **Secretary**, Mathematics Postgraduate Colloquium 2014 by Postgraduate Student Society Faculty of Science, 11 November 2014, Seminar Room 2 Level 4, T05 Faculty of Science, UTM JB.
3. **Performer**, Pre-Convocation Dinner, Orkestra UTM, UTM Vice Chancellor Residence, 31 August 2014, UTM JB.
4. **Performer**, The 5<sup>th</sup> International Graduate Conference on Engineering, Science and Humanities (IGCESH 2014), N24, 19 – 21 August 2014, UTM JB.
5. **Sub Committee**, The 2<sup>nd</sup> International Statistical Conference (ISM-II 2014), Hotel MS Garden, 12 – 14 August 2014, UMP.
6. **Performer**, Majlis Anugerah Kecemerlangan & Penghargaan UTM 2014 – Citra Karisma, Dewan Sultan Iskandar, 26 June 2014, UTM JB.
7. **Director**, KDOJ & KDSE Appreciation Night 2014, KDOJ & KDSE Residential College, Dewan Sultan Iskandar, 28 May 2014, UTM JB.
8. **Performer**, Pre-Convocation Dinner, Orkestra UTM, UTM Vice Chancellor Residence, 23 May 2014, UTM JB.
9. **Participant**, Bowling Tournament, Applied Algebra and Analysis Group, Daiman Bowl, 8 March 2014, Tebrau Johor.
10. **Participant**, Graduation and Appreciation Night, Department of Mathematical Sciences, Dewan Sultan Iskandar, 15 April 2014, UTM JB.
11. **Unit of Venue & Protocol**, Annual Grand Meeting & High Tea, PGSSFS in collaboration with SPS, Seminar Room, C10 Level 2, Faculty of Science, 19 March 2014, UTM JB.
12. **Secretary**, International Science Postgraduate Conference 2014 (ISPC 2014), PGSSFS in collaboration with SPS, Ibnu Sina Institute for Fundamental Science Studies, 10 – 12 March 2014, UTM JB.
13. **MC**, Welcoming Postgraduates Sem 2, 2013/14, Faculty of Science in collaboration with PGSSFS, Room 305 C18, 9 Feb 2014, UTM JB.
14. **MC & Unit of Protocol**, Minggu Mesra Mahasiswa Program Persediaan SPM 2013 UTM MARA, 1 – 3 Jan 2014, UTM JB.

**(2013)**

1. **MC**, Promotional Talk for Undergraduates & Master Students 2013, Faculty of Science in collaboration with SPS, Lecture Hall 1, 13 Nov 2013, UTM JB.
2. **Unit of Food and Beverages**, Seminar on How To Prepare 1<sup>st</sup> Assessment Proposal 2013, Faculty of Science in collaboration with PGSSFS, Lecture Theater 1, 30 Oct 2013, UTM JB.
3. **Unit of Protocol**, Honor and Graduate Ceremony (HAGC) 2013, UTM 51<sup>st</sup> Convocation Faculty of Science, 26 Oct 2013, UTM JB.
4. **Secretary** of “Pertandingan Mewarna dan Mewarna bersama BoBoiBoy”, UTMost Imagination 2013, 19 Oct 2013, DSI UTM, UTM JB.

5. **Assistant** at the booth of “Gel Photo Visualization of Persistent Splicing Systems with Embedded Recognition Sites”, 15<sup>th</sup> Industrial Art and Technology Exhibition (INATEX) 2013, 2 – 4 OCT 2013, DSI UTM, UTM JB.
6. **Assistant Invigilator** of Olimpiad Matematik Kebangsaan (OMK) 2013, 13 July 2013, UTM JB.
7. **Assistant Director** of Graduates Reception for Postgraduates UTM 50<sup>th</sup> Convocation Ceremony, 7 May 2013, PGSSFS, Faculty of Science, UTM JB.
8. **Participant** of Karnival Sukan FS in Sukan Rakyat, 20 April 2013, Kompleks Sukan UTM, UTM JB.
9. **Judge** of FS Debate (Malay), 30 March 2013, C08, Faculty of Science, UTM JB.
10. **Vice President** of Postgraduate Student Society Faculty of Science (PGSSFS) 2013, 20 March 2013, DK 2, Faculty of Science, UTM JB.

**(2012)**

1. **Assistant** at the booth of “Magic Star Puzzle for Educational Mathematics, 14<sup>th</sup> Industrial Art and Technology Exhibition (INATEX) 2013, 3 OCT 2013, DSI UTM, UTM JB.

**WORKING EXPERIENCE**

1. Research Assistant at Department of Mathematical Sciences, Faculty of Science, UTM, February – August 2016.

**SKILLS**

1. Microsoft Office (Word, PowerPoint, Excel)
2. iWorks (Pages, Keynote, Numbers)
3. LaTeX - Advanced
4. Language proficiency – Malay (Excellent), English (Good), Chinese & Korean (Beginner)

**REFERENCES**

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