



## **CURRICULUM VITAE**

**CHUAN ZUN LIANG**

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Faculty Industrial Sciences & Technology,  
Universiti Malaysia Pahang, Lebuhraya Tun Razak,  
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## **ACADEMIC QUALIFICATION**

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Doctor of Philosophy (Statistics): Universiti Kebangsaan Malaysia, 2014

Master of Science (Statistics): Universiti Kebangsaan Malaysia, 2010

Bachelor of Science with Honours (Statistics): Universiti Kebangsaan Malaysia, 2009

## **EMPLOYER HISTORY**

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Research Assistant (Part-time), Universiti Kebangsaan Malaysia: October 2009-August 2012

Research Assistant, Universiti Kebangsaan Malaysia: October 2009-February 2011

Senior Lecturer, Universiti Malaysia Pahang: September 2014-Current

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## **AWARDED AND ACHIEVEMENT (SELECTED)**

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Certificate of Excellence for the **Good** Performance in the Instructional Evaluation and exceptional commitment towards teaching and learning **Semester I Session 2014/2015**

Certificate of Excellence for the **Excellent** Performance in the Instructional Evaluation and exceptional commitment towards teaching and learning **Semester II Session 2014/2015**

Certificate of Excellence for the **Excellent** Performance in the Instructional Evaluation and exceptional commitment towards teaching and learning **Semester I Session 2015/2016**

Certificate of Excellence for the **Excellent** Performance in the Instructional Evaluation and exceptional commitment towards teaching and learning **Semester II Session 2015/2016**

Certificate of Excellence for the **Excellent** Performance in the Instructional Evaluation and exceptional commitment towards teaching and learning **Semester I Session 2016/2017**

Certificate of Excellence for the **Excellent** Performance in the Instructional Evaluation and exceptional commitment towards teaching and learning **Semester II Session 2016/2017**

Certificate of Excellence for the **Excellent** Performance in the Instructional Evaluation and exceptional commitment towards teaching and learning **Semester I Session 2017/2018**

## **PROFFESIONAL MEMBERSHIP**

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Mathematical Society of Malaysia (PERSAMA) – Lifetime Member (Since 2017)

## **TEACHING**

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<b>SEMESTER I SESSION 2014/2015</b>	BUM 2413 APPLIED STATISTICS
<b>SEMESTER II SESSION 2014/2015</b>	BUM 2413 APPLIED STATISTICS
<b>SEMESTER III SESSION 2014/2015</b>	BUM 2413 APPLIED STATISTICS
<b>SEMESTER I SESSION 2015/2016</b>	BUM 2413 APPLIED STATISTICS DUM 2113 TECHNICAL MATHEMATICS
<b>SEMESTER II SESSION 2014/2015</b>	BUM 2413 APPLIED STATISTICS
<b>SEMESTER III SESSION 2014/2015</b>	BUM 2413 APPLIED STATISTICS
<b>SEMESTER I SESSION 2016/2017</b>	DUM 2413 STATISTICS & PROBABILITY DUM 2113 TECHNICAL MATHEMATICS

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**SEMESTER II SESSION 2016/2017**

DUM 2413 STATISTICS & PROBABILITY

DUM 2113 TECHNICAL MATHEMATICS

**SEMESTER I SESSION 2017/2018**

DUM 2413 STATISTICS & PROBABILITY

DUM 2113 TECHNICAL MATHEMATICS

**SEMESTER II SESSION 2017/2018**

DUM 2413 STATISTICS & PROBABILITY

## **PUBLICATONS**

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**Zun Liang Chuan**, Nor Azura Md. Ghani, Choong-Yeun Liong & Abdul Aziz Jemain, 2013. Automatic Anchor Point Detection Approach for firearms Firing Pin Impression. Sains Malaysiana 42 (9): 1339-1344. *[ISI, Q3, IF 0.4710]*

**Zun Liang Chuan**, Abdul Aziz Jemain, Choong-Yeun Liong, Nor Azura Md. Ghani & Lit Ken Tan, 2017. A robust firearm identification algorithm of forensic ballistics specimens. Journal of Physics: Conference Series. *[Scopus]*

Gamil Abdulraqeb Abdullah Saeed, Noryanti Muhammad, **Chuan Zun Liang**, Wan Nur Syahidah Wan Yusoff & Mohd Zuki Salleh, 2017. Model of estimating of population abundance using line transect sampling. Journal of Physics: Conference Series. *[Scopus]*

**Zun Liang Chuan**, Abdul Aziz Jemain, Choong-Yeun Liong & Nor Azura Md. Ghani, 2013. Effectiveness of Cross-Entropy and Tsallis Entropy Thresholding for Automatic Forensic Ballistics Identification System. Journal of Quality Measurement and Analysis 9 (1): 33-46. *[Google Scholar]*

Gamil Abdulraqeb Abdullah Saeed, **Zun Liang Chuan**, Roslinazairimah Zakaria, Wan Nur Syahidah Wan Yusoff & Mohd Zuki Bin Salleh, 2016. Determination of the Best Single Imputation Algorithm for Missing Rainfall Data Treatment. Journal of Quality Measurement and Analysis 12(1-2). *[Google Scholar]*

**Zun Liang Chuan**, Noriszura Ismail, Wendy Ling Shinyie, Tan Lit Ken, Soo-Fen Fam, Azlyna Senawi & Wan Nur Syahidah Wan Yusoff, 2018. The Efficiency of Average Linkage Hierarchical

Clustering Algorithm Associated Multi-scale Bootstrap Resampling in Identifying Homogeneous Precipitation Catchments. IOP Conference Series: Materials Science and Engineering. *[Accepted; Proceedings Indexed Scopus]*

**Zun Liang Chuan**, Choong-Yeun Liong, Abdul Aziz Jemain & Nor Azura Md. Ghani, 2014. An efficient automatic firearm identification system. Proceedings of the 3<sup>rd</sup> International Conference on Mathematical Sciences. *[Proceedings Indexed Scopus]*

Tan lit ken, Nor Azwadi Che Sidik, Lee Kee Quen, **Chuan Zun Liang**, Gan Yee Siang, Goh Chien Yong & Tey Wah Yen. Dynamic topological transformation between seizure and flat electroencephalography. Proceedings of the International Conference on Engineering and Applied Science. *[Proceedings]*

**Zun Liang Chuan** & Abdul Aziz Jemain, 2011. Pengekstrakan titik sauh bagi specimen balistik forensic, Prosiding Kolokium Siswazah Ke-11, 6-7 Julai 2011, FST, UKM, SM27: 84-86. *[Proceedings]*

**Zun Liang Chuan**, Noriszura Ismail, Wendy Ling Shinyie, Abdul Aziz Jemain & Soo-Fen Fam, 2017. Identifying homogeneous rainfall catchments for non-stationary time series using TOPSIS algorithm and bootstrap K-sample Anderson-Darling test. Theoretical and Applied Climatology. *[Under Reviews; ISI, Q2, IF 2.640]*

**Z L Chuan**, A Selamat, A A Jemain, C-Y Liong, N A M Ghani and L K Tan, 2017. An improved firearm identification algorithm using statistical moments. Malaysian Journal of Computer Science. *[Under Reviews; ISI, Q4, IF 0.600]*

## **RESEARCH GRANTS**

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Estimation of Extreme Hydro-meteorology Events using Non-stationary Intensity-Duration-Frequency Curves Based on Bayesian Framework, **Project Leader**, 2017-2019. Universiti Malaysia Pahang.

Flood Mitigation Mechanisms in Minimizing Flood Calamities – Flood Hazard Map (FHM) and Early Flood Warning System (FWS) for Kuantan River Basin, **Sub-Project Leader**, 2015-2017. Universiti Malaysia Pahang.

Robustifying Hotelling  $T^2$  Statistic for Monitoring the Stability of Currency Exchange Rate During Global Financial Crisis, **Member**, 2017-2019. Universiti Malaysia Pahang.

Implementation of MyGAP to Increase Pineapple Shareholder's Income and Food Security Awareness in Malaysia, **Member**, 2017-2018. Universiti Teknikal Malaysia Melaka.

### **ADMINISTRATIVE APPOINTMENTS (SELECTED)**

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Committee of the 1<sup>st</sup> International Conference on Applied & Industrial Mathematics and Statistics 2017

Reviewer of the 1<sup>st</sup> International Conference on Applied & Industrial Mathematics and Statistics 2017

Reviewer of the 2<sup>nd</sup> International Statistical Conference 2014

Examiner (Pre-Viva), Universiti Malaysia Pahang (1 candidate), 2017.

Examiner(Viva), Universiti Malaysia Pahang (1 candidate), 2017.

Examiner (Proposal Defense), Universiti Malaysia Pahang (2 candidates), 2016-2017.

### **REFERENCES**

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#### **Dr. Fam Soo Fen**

Senior Lecturer

Universiti Teknikal Malaysia Melaka

Faculty of Technology Management and Technopreneurship

Contact Number: 06-2833161/012-6675340

Email: [famsoofen@utem.edu.my](mailto:famsoofen@utem.edu.my)

Relationship: PhD Senior and Co-researcher

#### **Prof. Dr. Abdul Aziz Jemain**

Professor University

Universiti Kebangsaan Malaysia

Faculty of Science and Technology

Contact Number: 03-89254519/013-3352232

Email: [azizj@ukm.edu.my](mailto:azizj@ukm.edu.my)

Relationship: Lecturer and Main Supervisor PhD