

# NORSAREMAH BT. SALLEH



- KULLIYAH OF INFORMATION AND COMMUNICATION TECHNOLOGY
- IIUM Gombak Campus
- Email address: [norsaremah@iium.edu.my](mailto:norsaremah@iium.edu.my)

## المؤهل العلمي

- Doctor of Philosophy in Computer Science
- Master of Science (Computer Science - Real Time Software Engineering)
- Bachelor of Information Technology

## مسؤوليات التدريس

COMPUTER NETWORKING	2003/2004 2004/2005
EMPIRICAL METHODS IN SOFTWARE ENGINEERING	2017/2018
FINAL YEAR PROJECT	2010/2011 2011/2012 2012/2013 2013/2014 2014/2015 2015/2016 2017/2018
FINAL YEAR PROJECT I	2003/2004 2004/2005 2019/2020
FINAL YEAR PROJECT II	2003/2004 2005/2006 2006/2007 2019/2020 2020/2021
HALAQAH 2 (SISTER)	2004/2005
INDUSTRIAL ATTACHMENT	2010/2011 2011/2012 2013/2014 2014/2015 2015/2016 2016/2017 2017/2018
INFORMATION TECHNOLOGY	2003/2004
INTRODUCTION TO SOFTWARE ENGINEERING	2020/2021
JAVA PROGRAMMING	2002/2003 2003/2004 2004/2005 2005/2006 2006/2007
OBJECT ORIENTED PROGRAMMING	2010/2011 2011/2012 2012/2013 2013/2014 2014/2015 2015/2016 2017/2018 2018/2019 2019/2020
PROJECT MANAGEMENT IN SOFTWARE ENGINEERING	2018/2019
REQUIREMENTS ENGINEERING	2010/2011 2011/2012
SOFTWARE METRICS AND MODEL	2014/2015 2015/2016

### In Progress

- 2019 - Present** Human Factors Model to Improve Information Visualization Reporting for Big Data Analytics
- 2019 - Present** Kajian Peluang Pekerjaan Orang Kurang Upaya (OKU) di Malaysia
- 2018 - Present** New Title: Modeling team climate and personalities to improve requirements engineering .
- 2018 - Present** Requirements engineering process framework based on the team climate and personality of requirements' engineers
- 2016 - Present** A Risk Analysis Framework of Security, Privacy and Trust for Big Data in Cloud Computing

### Completed

- 2016 - 2018** Defining A Domain Specific Requirements Reuse Approach for Software Product Line Engineering (SPLE)
- 2016 - 2017** Value-Based Software Engineering
- 2015 - 2018** AN EFFICIENT MODEL FOR PROCESSING SKYLINE QUERIES IN INCOMPLETE AND UNCERTAIN DATABASES
- 2015 - -1** IIUM MOOC: Introduction to Linguistics
- 2015 - -1** IIUM MOOC: Introduction to Digital Photography
- 2014 - 2017** Test Automation Model for Conformance of Mobile Applications Life Cycle
- 2014 - 2016** Recognition of Prokaryotic Promoters in DNA sequences Using Semi-Naive Bayesian Models
- 2013 - 2017** Regulated Splicing Systems and Formal Models for Food Authentication
- 2013 - 2016** Grammars Controlled by Petri Nets under Maximal Firing Strategy
- 2012 - 2015** Investigating the Effects of Personality on Software Team Productivity and Climate
- 2011 - 2015** RU 2011 - A Validation of the Incremental Approach to Constructing Component-based Systems Directly from Natural Language Requirements
- 2010 - 2013** Internet Safety and Security Awareness Among Malaysian Youth: Knowledge, Understanding and Compliance

- 2019** [Exploring agile mobile app development in industrial contexts: a qualitative study.](#) International Journal of Technology in Education and Science , 3 (1) pp.29-46
- 2019** [The relationship between personality and decision-making: a systematic literature review.](#) Information and Software Technology , 111 (July) pp.50-71
- 2019** [Requirement patterns: an approach for streamlining requirements engineering in software product families.](#) International Journal of Advanced Trends in Computer Science and Engineering , 8 (1.4) pp.507-514
- 2019** [Experimenting application engineering with requirements pattern for software product families.](#) Journal of Advanced Research in Dynamical and Control Systems , 11 pp.1206-1217
- 2019** [Validation of RP-SPF framework: a systematic method for requirements reuse in software product lines.](#) International Journal of Engineering and Advanced Technology , 9 (1) pp.3423-3426
- 2019** [A static analysis of android source code for lifecycle development usage patterns.](#) Journal of Computer Science , 15 (1) pp.92-107
- 2019** [A systematic mapping study on cloud-based mobile application testing.](#) Journal of Information and Communication Technology , 18 (8) pp.485-527
- 2019** [Identifying skylines in cloud databases with incomplete data.](#) Journal of Information and Communication Technology , 18 (1) pp.19-34
- 2018** [Development of scenario management and requirements tool \(SMaRT\):Towards supporting scenario-based requirements engineering methodology.](#) International Journal of Engineering and Technology , 7 (2.14 (Special Issue 14)) pp.62-65
- 2018** [Meta-modeling constructs for requirements reuse \(RR\): software requirements patterns, variability, and traceability.](#) Malaysian Journal of Computing , 3 (2) pp.119-137
- 2018** [The rise and evolution of agile software development.](#) IEEE Software , 35 (5) pp.58-63
- 2018** [Cloud-based learning system for improving students' programming skills and self-efficacy.](#) Journal of ICT , 17 (4) pp.629-651
- 2018** [A model for skyline query processing in a partially complete database.](#) Advanced Science Letters , 24 (2) pp.1339-1343
- 2018** [Recruitment, engagement and feedback in empirical software engineering studies in industrial contexts.](#) Information and Software Technology
- 2017** [Investigation of Requirements Reuse \(RR\) challenges and existing RR approaches.](#) Advanced Science Letters , 23 (5) pp.4101-4105
- 2017** [Systematic literature reviews in agile software development: A tertiary study.](#) Information and Software Technology , 85 pp.1339-1351
- 2017** [Processing skyline queries in incomplete database: issues, challenges and future trends.](#) Journal of Computer Science , 13 (11) pp.590-601

- 2016** [The effect of software engineers' personality traits on team climate and performance: A systematic literature review.](#) Information and Software Technology , 73 pp.52-65
- 2016** [A systematic mapping study of mobile application testing techniques.](#) Journal of Systems and Software , 117 pp.334-356
- 2016** [Extracting features from online software reviews to aid requirements reuse.](#) Applied Soft Computing , 49 pp.1297-1315
- 2016** [A framework for evaluating skyline queries over incomplete data.](#) Procedia Computer Science , 94 pp.191-198
- 2015** [Feature extraction approaches from natural language requirements for reuse in software product lines: a systematic literature review.](#) Journal of Systems and Software , 106 pp.132-149
- 2014** [A window into the emergence of agile software development landscape in Indonesia.](#) International Journal of Advances in Soft Computing & Its Applications , 6 (1) pp.1-17
- 2012** [Examining information disclosure behavior on social network sites using protection motivation theory, trust and risk.](#) Journal of Internet Social Networking & Virtual Communities pp.1-11
- 2012** [An empirical investigation on internet privacy on social network sites among Malaysian youths.](#) Journal of Information Technology Research , 5 (3) pp.85-97
- 2012** [Investigating the effects of personality traits on pair programming in a higher education setting through a family of experiments.](#) Empirical Software Engineering , 19 (3) pp.714-752
- 2011** [Empirical studies of pair programming for CS/SE teaching in higher education: a systematic literature review.](#) IEEE Transactions on Software Engineering , 37 (4) pp.509-525

#### **Conference or Workshop Item**

- 2020** [Risk assessment of building fire evacuation with stochastic obstructed emergency exit.](#) In: **4th International Conference and Workshops on Recent Advances and Innovations in Engineering, ICRAIE 2019;**
- 2020** [Analysis of expert's opinion on requirements patterns for software product families framework using GQM method.](#) In: **6th International Conference on Computational Science and Technology, ICCST 2019**
- 2020** [Analysis of expert's opinion on requirements patterns for software product families framework using GQM method.](#) In: **6th International Conference on Computational Science and Technology, ICCST 2019**
- 2019** [A systematic mapping study of value-based software engineering.](#) In: **45th Euromicro Conference on Software Engineering and Advanced Applications (SEAA 2019)**
- 2018** [Requirements patterns structure for specifying and reusing software product line requirements.](#) In: **2018 International Conference on Information and Communication Technology for the Muslim World (ICT4M)**

- 2018 [A systematic literature mapping of risk analysis of big data in cloud computing environment.](#) In: **1st International Conference on Big Data and Cloud Computing (ICoBiC) 2017**
- 2018 [Automatic generation of android SQLite database components.](#) In: **17th International Conference on New Trends in Intelligent Software Methodology Tools and Techniques, SoMeT 2018**
- 2017 [Crowdsource requirements engineering: Using online reviews as input to software features clustering.](#) In: **10th Malaysian Software Engineering Conference (MySEC 2017)**
- 2017 [Skyline query processing for incomplete data in cloud environment.](#) In: **The 6th International Conference on Computing and Informatics, ICOCI 2017**
- 2017 [Dermedys: Android-based dermatological diagnostic and analytic expert system.](#) In: **8th International Conference on Information Technology (ICIT)**
- 2017 [Static analysis of Android apps for lifecycle conformance.](#) In: **8th International Conference on Information Technology (ICIT)**
- 2017 [Extracting software features from online reviews to demonstrate requirements reuse in software engineering.](#) In: **6th International Conference on Computing and Informatics, ICOCI 2017**
- 2016 [Terms extractions: an approach for requirements reuse.](#) In: **2nd International Conference on Information Science and Security (ICISS), 2015**
- 2016 [Software requirements patterns and meta model: a strategy for enhancing Requirements Reuse \(RR\).](#) In: **6th International Conference on Information and Communication Technology for the Muslim World (ICT4M 2016)**
- 2016 [MyKICT: design and development of mobile application for course pre-registration.](#) In: **2nd International Conference on Information Science and Security (ICISS) 2015**
- 2015 [Mobile application testing in industrial contexts: an exploratory multiple case-study.](#) In: **14th International Conference on New Trends in Intelligent Software Methodology, Tools, and Techniques (SoMeT 2015)**
- 2015 [Empirical studies of cloud computing in education: a systematic literature review.](#) In: **The 16th International Conference on Computational Science and Its Applications (ICCSA 2015)**
- 2015 [A review of student attendance system using near-field communication \(NFC\) technology.](#) In: **15th International Conference on Computational Science and Its Application (ICCSA 2015)**
- 2015 [Trends and perceptions of evidence-based software engineering research in Malaysia.](#) In: **5th International Conference on Information and Communication Technology for The Muslims World (ICT4M 2014)**
- 2015 [Social networks content analysis for peacebuilding application.](#) In: **4th World Congress on Information & Communication Technologies (WICT'14)**
- 2015 [How personality traits are interrelated with team climate and team performance in software engineering?: a preliminary study.](#) In: **9th Malaysian Software Engineering Conference (MySEC) 2015**

- 2014 [A pair-oriented requirements engineering approach for analysing multi-lingual requirements.](#) In: **First Asia Pacific Requirements Engineering Symposium (APRES 2014)**
- 2014 [Social networks peacebuilding event mining: a systematic literature review.](#) In: **3rd International Conference of Advanced Computer Science Applications and Technologies (ACSAT 2014)**
- 2014 [A preliminary empirical validation of an incremental approach to constructing component-based systems directly from natural language requirements.](#) In: **5th International Conference on Information & Communication Technology for The Muslim World (ICT4M 2014)**
- 2014 [A systematic review of the effects of team climate on software team productivity.](#) In: **IEEE Asia-Pacific World Congress on Computer Science and Engineering 2014 (APWC on CSE 2014)**
- 2014 [Nonterminal complexity of weakly conditional grammars.](#) In: **6th Asian Conference, ACIIDS 2014**
- 2013 [Preliminary analysis on the adoption of agile software development methodology in Indonesia .](#) In: **Agile Symposium 2013**
- 2013 [An empirical study of the factors influencing information disclosure behaviour in social networking sites.](#) In: **International Conference on Advanced Computer Science Applications and Technologies 2013**
- 2012 [Social network sites: information disclosure, perceived vulnerability, privacy concerns and perceived benefits.](#) In: **IADIS International Conference Information Systems 2012**
- 2012 [Privacy concern on social network sites: the role of protection motivation, trust and risk.](#) In: **18th IBIMA Conference**
- 2012 [Towards evidence-based software engineering research in Malaysia.](#) In: **6th Malaysian Software Engineering Conference**
- 2011 [The effects of openness to experience on pair programming in a higher education context.](#) In: **2011 24th IEEE-CS Conference on Software Engineering Education and Training, CSEE and T 2011**
- 2011 [Using Visual Text Mining to Support the Study Selection in Systematic Literature Reviews.](#) In: **2011 International Symposium on Empirical Software Engineering and Measurement**
- 2011 [Information disclosure behaviour in social media among Malaysian youth: the impact of privacy concern, risk and trust.](#) In: **Symposium on Information & Computer Sciences (ICS 2011)**
- 2010 [Experiences conducting systematic reviews from novices' perspective.](#) In: **14th International Conference on Evaluation and Assessment in Software Engineering (EASE)**
- 2010 [The effects of neuroticism on pair programming: an empirical study in the higher education context.](#) In: **4th International Symposium on Empirical Software Engineering and Measurement (ESEM2010)**

**2010** [An empirical study of the effects of conscientiousness in pair programming using the five-factor personality model.](#) In: **32nd ACM/IEEE International Conference on Software Engineering, ICSE 2010**

**2009** [An empirical study of the effects of personality in pair programming using the five-factor model.](#) In: **3rd International Symposium on Empirical Software Engineering and Measurement, ESEM 2009; Lake Buena Vista, FL; 15 October 2009 through 16 October 2009**

#### **Book**

**2018** [Proceedings of The International University Carnival on e-Learning \(IUCEL\)2018.](#) Centre for Teaching and Learning (CTL) International Islamic University Malaysia (IIUM) . ISBN 978-967-2027-84-3

**2011** [Projects on Islamic edutainment and Islamic systems.](#) IIUM Press . ISBN 97896741811048

#### **Book Section**

**2011** [Islamic marriage principle .](#) In: **Project on Islamic Edutainment and Islamic Systems** IIUM Press . ISBN 9789674181048 , pp.84-89

**2011** [Mobile solat reminder \(MOSIR\).](#) In: **Project on Islamic Edutainment and Islamic Systems** IIUM Press . ISBN 9789674181048 , pp.91-100

**2011** [Mobile English thesaurus application.](#) In: **Project on Islamic Edutainment and Islamic Systems** IIUM Press . ISBN 9789674181048 , pp.139-142