

Empowering the Nation via 4IR

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1st - 3rd NOVEMBER 2018

IMPERIAL HOTEL KUCHING SARAWAK, MALAYSIA

















Partner























WELCOME MESSAGE

Preface Welcome Message from the MCAIT Conference Chair

On behalf of the M-CAIT 2018 organizing committee, I am delighted to welcome all the delegates and their guests to Kuching, Sarawak, Malaysia for the 4rd International Multi-Conference on Artificial Intelligence Technology (M-CAIT 2018) that will take place from November 1st until 3rd, 2018. This is the Center for Artificial Intelligence Technology's largest annual event devoted to the Artificial Intelligence Technology, and it will give participants a platform to exchange ideas, discover novel opportunities, reacquaint with colleagues, meet new friends, and broaden their knowledge. The conference will be held at the Imperial Hotel, Kuching, Sarawak, which is a spectacular, and feature the unique location, culture and beautiful geography in East Malaysia.

The theme of the M-CAIT 2018 Conference is "Empowering the Nation Via 4IR"; it will broadly cover all disciplines of Artificial Intelligence from fundamental research to applications.

"The Fourth Industrial Revolution, finally, will change not only what we do but also who we are. It will affect our identity and all the issues associated with it: our sense of privacy, our notions of ownership, our consumption patterns, the time we devote to work and leisure, and how we develop our careers, cultivate our skills, meet people, and nurture relationships."

Klaus Schwab, The Fourth Industrial Revolution

Here, we, as a person, citizen, employee, investor, and social influencer, are critical stakeholders in the Fourth Industrial Revolution. Sharing our thoughts on the technologies and what you value as this revolution unfolds is essential. The world we create through technologies can shape our lives and is the one we pass on to the next generation.

The M-CAIT 2018 was initiated to promote the scientific exchanges and collaborations of Artificial Intelligence researchers in the Asia-Pacific Region, and it also welcomes participation from the other regions of the world. The forth MCAIT 2018 follows the previous editions, M-CAIT 2011 in Putrajaya, M-CAIT 2013 in Shah Alam and M-CAIT 2016 in Malacca, Malaysia. For the M-CAIT 2018, I invite you to take advantage of the technical program and meanwhile experience the culture one of the state in East Malaysia city Kuching, Sarawak.

By the submission deadline of June 30, 2018, the program committee received 114 over full submissions. Each paper received at least two reviews, and most papers each received three reviews. Based on reviews, the program committee accepted 88 papers for oral presentations and 10 posters presentation. All accepted papers and presented at M-CAIT2018 will be publish in one of the journal after intense review.

- 1. Journal of Information and Communication Technology (indexed by Scopus)
- International Journal on Advanced Science, Engineering and Information Technology (indexed by Scopus)
- 3. Journal of Language Studies (indexed by Scopus)
- 4. Asia-Pacific Journal of Information Technology and Multimedia (indexed by MyCite)

We have 5 keynotes speaker who will share their knowledge with us during this conference. We are pleased to have PROF. DR. MOHD AIZAINI MAAROF from University Teknologi Malaysia with speech title "CYBER THREAT INTELLIGENCE AT THE AGE OF BIG DATA & IOT", ASSOC. PROF. DR. CHAN CHEE SENG from University of Malaya with his speech "DEEP LEARNING FOR IMAGES", MR. ALBAN SEAH from Wiki Labs Sdn Bhd, CEO th title is "TECHNOLOGY PLATFORM OF THE FUTURE" and the last our keynote is MR. KHAIRUDDIN YAHAYA from MAMPU with a title of his speech is "ARTIFICIAL INTELLIGENCE TECHNOLOGY IN PUBLIC SECTOR" and also Prof Emeritus Dr Abdul Razak Hamdan from CAIT, FTSM, with a title "Comtemplate till dhikr".

I would like to thank all the authors for submitting their papers to M-CAIT 2018, Universiti Kebangsaan Malaysia, Dean of Faculty of Information Science and Technology, the program committee members and reviewers for reviewing the papers. Without their efforts, the M-CAIT 2016 could not have taken place. I thank the workshop committee members for organizing two days' parallel session workshops. I am also grateful to the local arrangements team for their diligent efforts in arranging the logistics. I hope all the delegates spend a pleasant time in Kuching, Sarawak, and find the M-CAIT 2018 a fruitful event.

Assoc. Prof. Dr. Shahnorbanum Sahran, Center for Artificial Intelligence Technology Faculty of Information Science and Technology Universiti Kebangsaan Malaysia

KEYNOTE SPEAKER



PROF. DR. MOHD AIZAINI MAAROF
University Teknologi Malaysia
"CYBER THREAT INTELLIGENCE AT THE AGE OF
BIG DATA & IOT"



ASSOC. PROF. DR. CHAN CHEE SENG
University of Malaya
"DEEP LEARNING FOR IMAGES"



MR. ALBAN SEAH
Wiki Labs Sdn Bhd, CEO
"TECHNOLOGY PLATFORM OF THE FUTURE"



MR. KHAIRUDDIN YAHAYA
MAMPU
"ARTIFICIAL INTELLIGENCE TECHNOLOGY IN
PUBLIC SECTOR"



PROF. EMERITUS DR. ABDUL RAZAK HAMDAN
CAIT, FTSM
"DATA SCIENCE: CONTEMPLATE TILL DHIKR"

(Day 1-Day 3)

1st November 2018 (Day 1) THURSDAY

0730-1015	Opening Ceremony & Keynote I	
1015-1030	Tea break (foyer)	Grand Ballroom
1030-1230	Keynote II, Keynote III, and Keynote IV	
1230-1330	Lunch	
1330-1600	Parallel Sessions	Danum 2 Danum 3 Danum 4 Danum 9
	MOSCMY Workshop: Hybrid Mobile Application Development for Research Cyber Resilience Workshop: Deep Learning with Openvino	Danum 5 Danum 8
1600	River Cruise Trip	

(Day 1-Day 3)

2nd November 2018 (Day 2) FRIDAY

		,
0800-1045	Parallel Sessions	Danum 2 Danum 3
		Danum 3 Danum 4
		Danum 9
		Danum 9
0800-0930	MOSCMY Workshop: Security as Service Platform for IR 4.0	Danum 5
	Cyber Resilience Workshop: Pentesting	Danum 8
	MOSCMY Workshop: Using	
0930-1045	Big Data Tools for Small Data	Danum 5
1045-1145	Keynote V	Grand Ballroom
1145	Lunch	
1400-1700	Conference Workshops	
	App Inventor	Danum 2
	Business-IT Allignment	Danum 3
	Digital Pathology	Danum 9
1345-1545	Cyber Resilience Workshop:	Danum 8
	Fintech Security	
1545-1745	Cyber Resilience Workshop:	Danum 8
	Intrusion and Detection	
	Intelligence	

(Day 1-Day 3)

3nd November 2018 (Day 3) SATURDAY

0900-1230	Conference Workshops Augmented Reality with UNITY	Danum 2
	From Epistemology to Research Design	Danum 3
	Semantic Technology	Danum 4
	Public Sector Analytic	Danum 5
	Application of Predictive Analytic Using TensorFlow In Healthcare Setting	Danum 8
1230-1400	Lunch	
1400-1700	Conference Workshops (cont)	

(Day 1)

1st November 2018 Thursday

	Registration			
0730	&			
	Poster Preparatio Opening Ceremon	Poster Preparation		
0900	Grand Ballroom	•		
	Keynote Address	I		
0000	Prof Dr <mark>Mohd</mark> Aizaini Ma	arof (UTM)		
0930	Cyber Threat Intelligence At Age o	of Big Data and I	TOT	
	Grand Ballroom			
1030	Tea Break			
	Keyno <mark>te Ad</mark> dress	II /		
	Mr. Khairuddin Yahya (MAMPU)		
1045	Teknologi Kecerd <mark>asan</mark> B <mark>uat</mark> an (A		r	
	Perkhid <mark>matan Awam Di</mark>			
	Grand Ballroom			
	Keynote Address			
1115	Prof Emeritus Dr Abdul Razak Hamdan Data Science: Contemplate Till Dhikr			
	Grand Ballroom			
	Keynote Address IV			
	Mr. Alban Seah (Wil			
1200	Technology Platform of T	<i>'</i>		
	Grand Ballroon			
1230	Lunch Break			
		Workshop by	Cyber	
	PARALLEL SESSIONS	MOSCMY:	Workshop:	
1330		Hybrid Mobile App	Deep Learning	
4520	(Danum 2, Danum 3,	Development	With	
1530	Danum 4, Danum 9)	for Research	Openvino	
		(Danum 5)	(Danum 8)	

The 4th International Multi-Conference on Artificial Intelligence Technology (M-CAIT 2018)

1530 - 1730		Cyber Workshop: Memory Forensics (Danum 8)
1600	END OF SESSION	-



(Day 2)

2nd November 2018 Friday

0800	PARALLEL SESSIONS (Danum 2, Danum 3, Danum 4, Danum 9)			Workshop By MOSCMY: Security as Service Platform for IR 4.0 (Danum 5)	Cyber Workshop: Pentesting
0930		POSTI	ER PRESENTA	ATION	
0930	PARALLEL SESSIONS (Danum 2, Danum 3, Danum 4, Danum 9)		Workshop by MOSCMY: Using Big Data Tools for Small Data (Danum 5)		
1045	Keynote V Associate Prof. Dr Chan Chee Seng (UM) Deep Learning for Images Grand Ballroom				
1130			Lunch Break		
1400	App Inventor (Danum 2)	Business-IT Allignment (Danum 3)	Digital Pathology Workshop (Danum 9)	Cyber Workshop: Fintech Security Cyber Workshop: Intrusion & Detection Intelligence (Danum 8)	
1700		Te	a Break & Dism		

(Day 3)

3rd November 2018 Saturday

0900	Augmented Reality	From Epistemology to Research Design	Semantic Technology	Public Sector Analytics	Application of Predictive Analytics Using TensorFlow in Healthcare Setting
	(Danum 2)	(Danum 3)	(Danum 4)	(Danum 5)	(Danum 8)
1230			Lunch Break		
1400	Augmented Reality	From Epistemology to Research Design	Semantic Technology	Public Sector Analytics	Application of Predictive Analytics Using TensorFlow in Healthcare Setting
	(Danum 2)	(Danum 3)	(Danum 4)	(Danum 5)	(Danum 8)
1700	Tea Break & Dismiss				

Opening Ceremony		
0730 - 0900	Arrival of Guests Arrival of VIPs	
0900 - 0905	Recitation of Du'a	
0905 - 0915	Welcoming Speech by Assoc. Prof. Dr. Shahnorbanun Sahran Chairperson of CAIT	
0915 - 0930	Cultural Dance	



1ST NOVEMBER 2018 – THURSDAY

VENUE: DANUM 2

Chairperson: Associate Prof. Dr. Mohd Zakree Ahmad Nazri

Time	ID	Time
1330	61	Lexical Scoring System of Lexical Chain for Quranic Document Retrieval Hamed Zakeri Rad, Sabrina Tiun and Saidah Saad
1345	62	Pembangunan Taksonomi dari Teks Melayu Menggunakan Algoritma Kunang-Kunang Pembahagi Dua Sama Mohd Zakree Ahmad Nazri, Tri Basuki Kurniawan, Abdul Razak Hamdan, Salwani Abdullah and Mohammed Azlan Mis
1400	65	Towards Serendipity for Content–Based Recommender Systems Nur Izyan Yas <mark>min Saat, Shahrul Azman Mohd Noah and Masnizah Mohd</mark>
1415	71	Hybrid NMT Using Multi-Source Encoder-Decoder LSTM in English-Malay Translation Yin-Lai Yeong, Tien-Ping Tan, Keng Hoon Gan and Siti Khaotijah Mohammad
1430	80	Extracting Relevant Agro Food Keywords from Malaysian Online Newspapers Mohamad Farhan Mohamad Mohsin, Siti Sakira Kamaruddin, Fadzilah Siraj, Hamirul Aini Hambali and Mohammed Ahmed Taiye
1445	82	Features of Islamic Websites, Perceptions of Muslim Users, and Utilization Behavior: A Conceptual Model Mansur Aliyu
1500	54	A Hybrid Water Flow-Like Algorithm and Variable Neighbourhood Search for Traveling Salesman Problem Mohamed Rafique Othman, Zulaiha Ali Othman, Ayman Ibraheem Srour
1515	68	Enhanced Buffer Management Policy and Packet Prioritization for Wireless Sensor Network Abdiwahab Rabile, Khairul Azmi Abu Bakar and Dahlila Putri Dahnil
1530	44	Image Enhancement Background for High Damage Malay Manuscripts using Adaptive Threshold Binarization Sitti Rachmawati Yahya, Khairuddin Omar and Siti Norul Huda Sheikh Abdullah

1ST NOVEMBER 2018 – THURSDAY

VENUE: DANUM 3

Chairperson: Prof. Dr. Haslina Arshad

Time	ID	Title
1330	28	Leveraging Multimodal Interaction and Adaptive Interfaces for Location- based Augmented Reality Islamic Tourism Application Rimaniza Zainal Abidin, Haslina Arshad, Saidatul A'Isyah Ahmad Shukri and Mah Fui Ling
1345	29	A Review of Multimodal Interaction Technique in Augmented Reality Environment Siti Soleha Muhammad Nizam, Rimaniza Zainal Abidin, Nurhazarifah Che Hashim, Meng Chun Lam, Haslina Arshad and Nazatul Aini Abd Majid
1400	5	Malaysian Universities Websites Evaluation based on Quality in Use Evaluation Model (QinUEM) Nedal Nwasraa, Nurlida Basir and Mohd Fadzli Marhusin
1415	10	An Efficient and Robust Mobile Augmented Reality Application Siok Yee Tan, Haslina Arshad and Azizi Abdullah
1430	46	User Experience Model for Remote Envenomation Consultation Mobile Application with Decision Support Ability Rasyida Zainun, Meng Chun Lam, Khairul Azmi Abu Bakar and Ahmad Khaldun Ismail
1445	43	Kerangka Tadbir Urus Keselamatan Maklumat Sektor Awam di Malaysia Amri Jamil and Zawiyah M. Yusof
1500	20	Mobile User Perception Management System Conceptual Framework for Express Bus Safety Journey in Malaysia Rosilah Hassan, Samreen Salek, Mohammad Khatim Hasan, Meng Chun Lam, Wan Mohd Hirwani Wan Hussain
1515	16	Cloud Based Performance Data Analysis and Monitoring System for Express Bus in Malaysia Rosilah Hassan, Husna Inani Abdul Jabar, Mohammad Khatim Hasan, Meng Chun Lam and Wan Mohd Hirwani Wan Hussain
1530	47	Mobile Augmented Reality (AR) Application Using Phonics in Fostering Literacy for Children with Autism Zainal Mahayuddin and Najmiah Mamat

1st NOVEMBER 2018 – THURSDAY

VENUE: DANUM 4

Chairperson: Prof. Dr. Salwani Abdullah

Time	ID	Title
1330	27	Machine Learning Approach for Bottom 40 Percent Households (B40) Poverty Classification Mariah Abdul Rahman, Nor Samsiah Sani, Shahnurbanon Sahran, Azuraliza Abu Bakar and Hafiz Mohd Sarim
1345	22	Multiple Objective Memetic Discrete Differential Evolution Algorithm for Solving the Container Pre-marshalling problem Hossam Mustafa, Masri Ayob, Mohd Zakree Ahmad Nazri and Sawsan Abu-Taleb
1400	75	Modified Dynamic Time Warping for Hierarchical Clustering Mahmoud Sammour, Zulaiha Ali Othman and Rosmayati Mohemad
1415	78	Entanglement Classification for a Three-qubit System Using Special Unitary Groups, SU(2) and SU(4) Siti Munirah Mohd, Bahari Idrus, Hishamuddin Zainuddin and Muriati Mukhtar
1430	79	BasKita: A Mobile Based B <mark>us Tracking Framew</mark> ork Siok Yee Tan, Haslina Arsha <mark>d, Haekal Mozzia Putra, M</mark> ohammad Faidzul Nasrudin and Meng Chun Lam
1445	57	Primary and Secondary School Student's Perspective on STEM Module and Robotic Prototype Noor Faridatul Ainun Zainal, Rosseni Din, Nazatul Aini Abd Majid, Abdul Hadi Abd Rahman and Mohamad Faidzul Nasrudin
1500	73	Data raya dalam sistem pendidikan Malaysia: Membongkar kejayaan Sijil Pelajaran Malaysia dari Ujian Aptitud Sekolah Rendah Azhar M. Khairy, Afzan Adam and Mohd Ridzwan Yaakub
1515	23	Dr.LADA App: Diagnosing Black Pepper Pests and Diseases with Decision Tree Afzan Adam, Kho Pei Ee, Noraidah Sahari, Angela Tida, Chen Yi Shang, Kevin Muyang Tawie, Shafinah Kamarudin, Hazura Mohamed
1530	9	Population Initialisation Methods for Fuzzy Job-Shop Scheduling Problems: Issues and Future Trends Syaimak Abdul Shukor, Iman Mousa Shaheed and Salwani Abdullah

1st NOVEMBER 2018 – THURSDAY

VENUE: DANUM 9

Chairperson: Dr. Salvinder Singh

Time	ID	Title
1330	8	Artificial Neural Network Classification for Fatigue Feature Extraction Parameters Based on Road Surface Response Salvinder Singh, Shahrum Abdullah and Mohd Faridz Mohd Yunoh
1345	56	Breast Tissue Classification via Interval Type 2 Fuzzy Logic Based Rough Set Wan Noor Aziezan Baharuddin, Siti Norul Huda Sheikh Abdullah, Shahnorbanun Sahran, Ashwaq M. S. Qasem, Rizuana Iqbal Hussain, Fuad Ismail and Azizi Abdullah
1400	74	Test Case Minimization Applying Firefly Algorithm Nor Laily H <mark>ashim and Yasir Salma</mark> n Dawood
1415	76	A Comparison of Supervised Learning Techniques for Predicting the Mortality of Patients with Altered State of Consciousness Muthukkaruppan Annamalai
1430	77	General Network-Level Behavioural Malware Predictive Analytics Model based on Bayesian Network Mohammad Hafiz Mohd. Yusof and Mohd Rosmadi Mokhtar
1445	32	Redefining Selection of Features and Classification Algorithms for Room Occupancy Detection Illa Iza Suhana Shamsuddin, Nor Samsiah Sani, Shahnurbanon Sahran and Abdul Hadi Abd Rahman
1500	24	Serious Games for Post-Stroke Rehabilitation Using Microsoft Kinect Azrulhizam Shapii and Haslina Arshad, Mohd Syazwan Baharuddin, Hafiz Mohd Sarim
1515	25	Interactive Games Using Hand-Eye Coordination Method for Autistic Children Therapy Azrulhizam Shapii and Noor Atifah Abd Rahman, Mohd Syazwan Baharuddin, Mohd Ridzwan Yaakub
1530	59	A Community-Based Method to Detect Personal Life Events in Online Social Networks Amin Mahmoudi, Mohd Ridzwan Yaakub and Azuraliza Abu Bakar

2nd NOVEMBER 2018 – FRIDAY

VENUE: DANUM 2

Chairperson: Dr Adnan Shahid Khan

Time	ID	Title
0800	13	Malay POS Tagging for Social Media Texts Siti Noor Allia Noor Ariffin and Sabrina Tiun
0815	33	A Survey on Mental Health Detection in Online Social Network Rohizah Abd Rahman, Khairuddin Omar, Shahrul Azman Mohd Noah and Mohd Shahrul Nizam Mohd Danuri
0830	36	Building Compact E <mark>ntity</mark> Embeddings Using Wikidata Mohamed Lubani and Sh <mark>ahrul Azman Noah</mark>
0845	52	Question Classification Based on Bloom's Taxonomy Using Enhanced TF-IDF Manal Mohammed, Nazlia Omar
0900	58	Classification of Encouragement (Targhib) And Warning (Tarhib) Using Sentiment Analysis on Classical Arabic Hatem Alhasani and Saidah Saad
0915	60	The Effectiveness of Bottom Up Technique with Probabilistic Approach for A Malay Parser Muhammad Azhar Fairuzz Hiloh, Mohd Juzaiddin Ab Aziz and Lailatul Qadri Zakaria
0930		POSTER PRESENTATION
1000		
1015		
1030		
1045		KEYNOTE

2nd NOVEMBER 2018 – FRIDAY

VENUE: DANUM 3

Chairperson: Associate Prof. Dr. Mohd Khatim Hasan

Time	ID	Title
0800	3	Semi Non-Standard Trimean Algorithm for Rosenzweig-MacArthur Interaction Model Mohammad Khatim Hasan, Noor Ashikin Othman, Samsul Ariffin Abdul Karim and Jumat Sulaiman
0815	4	Interpolation Using Cubic Bézier Triangular Patches Samsul Ariffin Abdul Karim, Azizan Saaban, Mohammad Khatim Hasan, Jumat Sulaiman and Ishak Hashim
0830	34	The Effectiveness & Efficiency of eAedes Framework Based on GIS Muhammad Ilham and Ibrahim Mohamed
0845	39	Wi-Fi Indoor Positioning Fingerprint Health Analysis for a Large Scale Deployment Kwok Shien Yeo, Alvin Ting Kee Ngoh, Seh Chun Ng, David Chieng Heng Tze and Nuzli Mohamad Anas
0900	40	Usability of ReSt Module Using Four-Steps Approach Based on Case Study Example and Infographic for SPSS Novice Azura Ishak, Rosseni Din and Hazura Mohamed
0915	17	Augmented Reality to Promote Guided Discovery Learning for Periodic Table Nurfaizah Abd Majid and Nazatul Aini Abd Majid
0930		POSTER PRESENTATION
1000		Heterogeneous Ensemble Pruning based on Bee Algorithm for mammogram classification Ashwaq Qasem, Site Norul Huda Sheikh Abdullah, Shahnorbanun Sahran, Dheeb Albashish, Rizuana Iqbal Hussain, and Shantini Arasaratnam
1015	48	Blockchain Technology the Identity Management and Authentication Service Disruptor: A Survey Shu Yun Lim, Pascal Tankam Fotsing, Abdullah Almasri, Miss Laiha Mat Kiah, Tan Fong Ang, Reza Ismailand Omar Musa
1030		
1045		KEYNOTE

2nd NOVEMBER 2018 - FRIDAY

VENUE: DANUM 4

Chairperson: Associate Prof. Dr. Zalinda Othman

Time	ID	Title
0800	2	Knowledge Base of Expert System to Diagnose Eye Diseases Using FP- Growth Association Rules Rahmad Kurniawan, Mohd Zakree Ahmad Nazri, Siti Norul Huda Sheikh Abdullah, Jemaima Che Hamzah and Westi Oktaviana
0815	6	Feature selection from colon cancer dataset for cancer classification using Artificial Neural Network Md. Akizur Rahman and Ravie Chandren Muniyandi
0830	15	Modified Self-Adaptive Harmony Search (MSAHS) for Local Search Mechanism Farah Aqil <mark>ah Bohani, Siti Norul Hud</mark> a Sheikh Abdullah and Khairuddin Omar
0845	19	Ant Colony Optimization Based Subset Feature Selection in Speech Processing Applications: An Overview Rajesvary Rajoo and Rosalina Abdul Salam
0900	37	Classification Techniques for Predicting UKM Graduate Employability Zalinda Othman, Soo Wui Shan, Ishak Yusoff and Chang Peng Kee
0915	26	A Proposed Bi-layer Crime Prevention Framework using Big Data Analytics Shu Wei Tao, Ooi Chong Yang, Mohamed Sahil bin Mohamed Salim, Wahidah Husain
0930		POSTER PRESENTATION
1000		Linear Intensity-Based for Image Registration Yasmin Mumtaz Ahmad, Shahnorbanun Sahran, Afzan Adam, Syazarina Sharis Osman
1015		Lightweight and Optimized Multi-Layer Data Hiding Using Video Steganography Samar Kamil, Masri Ayob, Siti Norul Huda Sheikh Abdullah, Zulkifli Ahmad
1030		Robot Arm Analysis Based On Master Device Pneumatic Actuators Mohd Aliff Afira, Nor Samsiah Sani
1045		KEYNOTE

VENUE: DANUM 9

Chairperson: Prof. Dr. Masri Ayob

Time	ID	Title
0800	7	A Survey on Malware Analysis Techniques: Static, Dynamic, Hybrid and Memory Analysis Rami Sihwail, Khairuddin Omar and Khairul Akram Ariffin
0815	14	Gait Recognition based on Inverse Fast Fourier Transform Gaussian and Enhancement Histogram Oriented of Gradient Siti Zaharah Abd. Rahman, Siti Norul Huda Sheikh Abdullah and Khairul Akram Zainol Ariffin
0830	18	High Quality Wavelets Features Extraction for Handwritten Arabic Numerals Recognition Muhammad Suhail Akhtar, Hammad Qureshi, Mafawez Alharbi and Hani Alquhayz
0845	49	Multiple Descriptors for Visual Odometry Trajectory Estimation Mohammed Salameh, Azizi Abdullah and Shahnorbanun Sahran
0900	50	Multi-Classifier Jawi Handw <mark>ritten Sub-Word Re</mark> cogniti <mark>on</mark> Anton Heryanto Hasan, Khai <mark>ruddin Omar</mark> and Muhammad Faidzul Nasrudin
0915	67	Automatic Detection Of Shadda In Modern Standard Arabic Continuous Speech Ammar Alsabri, Afzan Adam and Fadhilah Rosdi
0930		POSTER PRESENTATION
1000	38	A Concavity Point Analysis and Skeleton Algorithm for Detection and Quantization in Heavily Clump of Red Blood Cells Izyani Ahmad, Siti Norul Huda Sheikh Abdullah and Raja Zahratul Azma Raja Shabudin
1015	45	Reading with Robots: A Personalized Robot-Based Learning Companion for Solving Cognitively Demanding Tasks Azizi Ab Aziz and Hayder Mohammed
1030		Morphological features analysis for erythrocyte classification in IDA and Thalassemia Izyani Ahmad, Siti Norul Huda Sheikh Abdullah, Raja Zahratul Azma Raja Sabudin
1045		KEYNOTE

POSTER PRESENTATION

	ID	Title
1	31	Sentiment Analysis: An Enhancement Of Ontological-Based Using Hybrid Machine Learning Techniques Mohd Ridzwan Yaakub And Muhammad Iqbal Abu Latiffi
2	69	English Language Teachers' Readiness For The Application Of Technology Towards Fourth Industrial Revolution Demands Norizan Abdul Razak, Hussien Alakrash And Yasmin Sahboun
3	70	Pedagogical Issues Of Using Ict Applications In Iraq Norizan Abdul Razak And Halah Kamal Saeed
4	72	Classification Models For Higher Learning Scholarship Award Decisions Wirawati Dewi Ahmad And Azuraliza Abu Bakar
5	35	Analysis And Extraction Of Concept And Concept Relation For Islamic Term Using Syntactic Pattern Approach And Rules Ummu Kalsom Latiff And Saidah Saad
6	42	Aspect-Based Sentiment Analysis Methods In Recent Years Zohreh Madhoushi, Abdul Razak Hamdan And Suhaila Zainudin
7	51	Optimal Feature Selection Method Based On Information Gain And Domain Specific Ontology Ibrahim Said Ahmad, Mohd Ridzwan Yaakub And Azuraliza Abu Bakar
8	83	A Risk Management Approach To The Development Of An Early Warning System: A Case For Tasik Chini Siti Narimah Jamali And Mohamad Shanudin Zakaria



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M-CAIT'2018 SECRETARIAT

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