

To Whom It May Concern:

Dear Sir/Madam,

Currently, I am serving as an Associate Professor at the Faculty of Computing and Informatics at University Malaysia Sabah, Kota Kinabalu Sabah, Malaysia. I completed my PhD as a candidate with full funding at the Universiti Teknologi PETRONAS, Malaysia with a major in Computer Networks and Information Technology. I have done Post-Doctoral from Auckland University of Technology, Auckland, New Zealand.

In 2014, I served as a Guest Professor at Fernuniversität Hagen, Germany, fully funded by DAAD. I hold a number of honorary positions at well-known universities such as McMaster University, Hamilton, ON, Canada, University of Auckland, New Zealand, Waseda University, Tokyo, Japan and Hanyang University, Seoul, South Korea. I have published over 150+ research papers in many high impact journals and well reputed international conference proceedings in the area of Computer Science and Computer Network. My research interests include Future Internet (FI), Information Centric Network (ICN), Content-Centric Networking (CCN), Named data networking (NDN), Software-Defined Networking (SDN), Internet of Things (IoT), Internet of Everything (IoE), industrial internet of things (IIoT), Fourth Industrial Revolution (IR 4.0), Quantum Network, Information Security & Privacy, Network/Cyber Security, Digital Forensics, Applied Cryptography, Vehicular Clouds, , Cloud & Edge Computing, and Blockchain. Currently, I am working on machine and deep learning for IoT security and API security and I am also working closely with Industry.

I am a member of many professional organizations from academia and industry including Senior Member of IEEE (IEEE Vice-Chair, Subsection), member of ACM, ACM-SIGMOBILE, ISOC, Engineers Australia, IAENG, Park Lab etc. and a fellow of APAN and ITU. I am serving as an editorial board member for various journals including IEEE Access, IEEE Internet Initiative, Internet Technology Letters, Wiley, and serves as reviewer for most of the IEEE transactions, Springer and Elsevier Journals. He also serves as technical program committee member of various conferences such as IEEE GLOBECOM, IEEE R10 TENCOM, IEEE TrustCom, IEEE ICC, IEEE VTC, IEEE VNC, IEEE ICCVE, ICCCN, and so on. Also, I am serving as a guest editor for more than a dozen special issues in journals and magazines such as IEEE, Elsevier, Springer and Wiley. Given the opportunity, I would contribute to your mission by bringing credibility to high quality of modern creative technologies research.

Thank you,



Dr. Kashif Nisar, MIEEE
Associate Professor &
Vice-Chair IEEE Sabah Subsection, Malaysia
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FACULTY CURRICULUM VITAE FOR PROFESSOR POSITION

DR. KASHIF NISAR
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OBJECTIVE

My aspiration is to become an academician (Professor) at a quality research-oriented University. While I thoroughly enjoy research, a great aspect of being an academician is that teaching is an important part of the job. I believe in adopting modern techniques in the classroom which enhance the teaching environment. I have experienced and an ability to work well with students and staffs from differing academic and cultural backgrounds.

1. ACADEMIC QUALIFICATION

Year	Degree	Discipline	University
2013	Postdoctoral Fellow (PostDoc)	Computer Networks	Auckland University of Technology, New Zealand
2011	Doctor of Philosophy (PhD)	Computer Networks	Universti Teknologi PETRONAS, Malaysia.
2007	Master of Science (MS)	Computer Networks	Universti Utara Malaysia, Malaysia
2004	Bachelor in Computer Science (BS)	Computer Networks	Shah Abdul Latif University, Pakistan
2000	Diploma in Computer Science (DCS)	Computer Networks	SBTE, Karachi, Pakistan

2. POSITIONS HELD

Year	Position	Place of Work
14, January 2015 to Present	Associate Professor (full-time)	University Malaysia Sabah, Malaysia
01, January, 2016 to 30, July 2018	Visiting Assistant Professor (part-time)	McMaster University, Hamilton, ON, Canada

15, July, 2015 to 16, July 2016	Visiting Professor (part-time)	Unitec Institute of Technology, Auckland, New Zealand
01, March, 2015 to 30, March 2016	Invited Researcher (part-time)	Waseda University, Tokyo, Japan
01, April, 2014 to 30, November 2014	Guest Professor (part-time, paid under a DAAD fellowship)	FernUniversität Hagen, Germany
19, March 2012 to January 2018	Honorary Research Scholar Appointment (part-time)	University of Auckland, New Zealand
04, September 2011 to 11, January 2015	Senior Lecturer (full-time)	University Utara Malaysia, Malaysia
28, January 2008 to 03, September 2011	Graduate Assistant (part-time)	Universiti Teknologi PETRONAS, Malaysia
01, August 2006 to 27, January 2008	Lecturer, Trainer (part-time)	R&D SerindIT. UUM, Kedah, Malaysia
01, January 2004 to 23, July 2006	Lecturer (full-time)	Gravity Computer Solutions College, Pakistan
07, August 2000 to 31, December 2013	Lecturer (part-time)	Gravity Computer Solutions College, Pakistan

2.1 TEACHING EXPERIENCE & PORTFOLIO

Firstly, my philosophy of creative technologies teaching is that all students are unique and must have an inspiring computer science, interdisciplinary academic environment where they can develop physically, mentally, emotionally, and socially. It is my desire to design and create this kind of environment where students can meet their full viable in technologies with entrepreneurship and innovation. I will help my students to obtain information and improve creativity that can be applied to a wide range of academic and industries. I believe that superb instructing is based on a dialogue between students and teacher, rather than the traditional one-way flow of content material from teacher to students. I will supply a secure environment the place students are invited to share their creativity thoughts involving technologies. My interdisciplinary research and experimentation regularly modified me from a teaching-focused method to a student-focused approach in computer science. Speaking and writing honestly and concisely is essential. I often use diagrams, visualization, sound smart technologies and demonstrations to expose an artifact's fundamental causal mechanisms. For example, I normally give an explanation for an algorithm by way of displaying a flowchart representing its conduct and executing quite a few demonstrations of the algorithm with small datasets. I accept as true with teachers need to continue to be flexible collaborative research about how concepts are explained.

Secondly, I ask students with questions to take an indispensable stance to some of the “creative big ideas” of the class. For example, few of the “creative big ideas” of cutting-edge computer programming is a methodology called “object-oriented programming, wearable sensor, smart textiles, mobility, system and the philosophy of technology. Computer science creative technologies, like many different disciplines, was founded on and continues to grow through discovering options to real problems. This interactive method to educating allows students experience that reward. I frequently see from their non-verbal expressions that they experience alleviation and pride when they have contributed to the solution.

Finally, my philosophy of teaching asserts that students are entitled to nice coaching in an energetic and stimulating gaining knowledge of environment in creative technologies. I in particular design exam questions to take a look at students' intellectual models and not simply memorization, and I have adopted the exercise of presenting the whole course schedule, lecture notes, homework, and quiz samples to students from the first day of class, which students have discovered to be very treasured as they sketch their efforts during the quarter. When students leave my class, I want them to have the foundational know-how to floor their thoughts in practice and the thought to let go of constraints about what they think is feasible in creative technologies with balances a number of differing approaches and unifies them in a unique way of technologies. It is my philosophy that instructing is each about helping students grow as learners and increasing their expertise about a subject. Teach two courses per semester, as assigned by the department dean or director. Conduct scholarly research in creative technologies and with various disciplines to accomplish peer-reviewed publications and funded research projects. Participate in university organized seminars in art, science & engineering, faculty-development workshops, graduation ceremonies, bell-ringing ceremonies, founder's day activities and etc. Serve as final year student advisor/ committee member to Master's degree students for their Thesis/Projects. Advise undergraduate and graduate students and register them for courses. Serve in the departmental, college and university level committees as determined by the department dean or director. Hold three hours of office hours per course per week (totally nine hours) besides the class meeting times and be available for students at these times to discuss creative technologies.

2.2 EVALUATION OF TEACHING

I am very proud of the evaluations that I have received. For example, when asked to evaluate my overall effectiveness as a lecturer, 93% of my class students rated my performance as excellent or good. Some of my favorite student comments include: “The instructor made this class my favorite this term”; “Uses appropriate methods of evaluation, Speaks English clearly, Presents material in an organized, well-planned manner. Thank you for being a great instructor. Good connections of material to real world problems or current academic problems.”

2.3 RESEARCH PORTFOLIO

My research focused on the future technologies and information technology. I have involved in Research & Development (R&D) such as multidisciplinary research, social network & innovation, mobile media, tangible technologies, augmented & virtual reality games, object-oriented research, creativity in education, big data. future networks, system, wearable sensor, devices, sensor, body area network technologies smart city and smart healthcare. My primary goal is the design of network architectures that are cost effective, scalable, and meet emerging needs for high data-rate and reliable communications. My research aims to improve the performance, big data, mobile application, cloud computing and systems. To that end, my research crosses disciplinary boundaries by combining techniques from network optimization, machine learning, queueing theory, vision, and algorithms, hardware design and physical layer communications technologies.

2.4 AGILE AND COLLABORATIVE

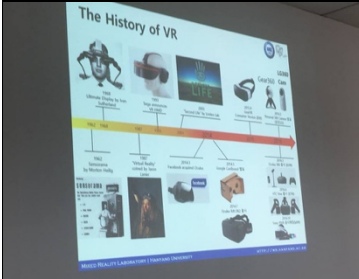
Given the opportunity, I would collaborate with trans-disciplinary research of your mission by bringing credibility to high quality of modern creative technologies research. I will apply aspects of art, science and engineering to technologies in a creative idea. Also, I will conduct interdisciplinary research in academic & industry, integrating digital technologies in teaching at undergraduate and postgraduate levels, demonstrate my ability to convey complex information and thrive on providing a classroom experience that facilitates a high level of engagement with student of all levels. As an active researcher, I will collaborate with other faculties, departments, interdisciplinary research, and engaged universities regarding creative technologies. Selected details are as following regarding agile and collaborative.

	<p>WITH HON DR MEGAN WOODS, MINISTER OF RESEARCH, SCIENCE AND INNOVATION, NEW ZEALAND & WITH MS. NICOLE FERGUSON, CHIEF EXECUTIVE Research and Education Advanced Network New Zealand (REANNZ) The Kiwi Advanced Research and Education Network (KAREN), now known simply as the REANNZ Network, is a high-capacity, ultra high-speed national research and education network (NREN) connecting New Zealand's tertiary institutions and research organizations.</p>
	<p>WITH SHIGEO URUSHIDANI, Deputy Director General National Institute of Informatics (NII), Tokyo, Japan The National Institute of Immunology (NII) is committed to advanced research addressing the basic mechanisms involved in body's defence to identify modalities for manipulation of the immune system to provide protection against diseases and understand mechanisms that can be used to target disease processes for intervention.</p>
	<p>WITH JONG-IL PARK, PH.D. Professor & Dean, Department of Computer Science and Engineering Hanyang University, Seoul, Korea Hanyang University is one of the leading private research universities of South Korea, especially in the field of engineering. The main campus is in Seoul, and its branch, the Education Research Industry Cluster at Ansan. The university established the nation's first engineering institute in 1939 which became the founding facility of Hanyang University. It also established the first school of architecture and civil engineering in Korea.</p>



WITH PROF. DR. HERWIG UNGER

FernUniversität in Hagen is the only state-funded distance education university in the German-speaking community that offers quality-assured, supervised distance teaching with Bachelor's and Master's programs, doctoral studies as well as numerous certificates and Open Access studies. Established in 1974 as a university of the State of North Rhine-Westphalia, it is today Germany's largest university in terms of student numbers, offering German-language study programs and flexible study options that can be adapted to the life situations of its diverse student body.



ATTEND VIRTUAL REALITY SEMINER

The Oculus mobile platform transforms your GALAXY smartphone into a portable VR device that lets you experience anything, anywhere VR is the next dimension in gaming. Whether you're looking for a standalone headset or one that tethers to your PC or console



FEEL EXUBERANT TO BE PART OF THE #GALAXY OF IEEE STARS DURING IEEE R10 AGM, LANGKAWI, MALAYSIA

Located in Singapore, the office was registered in Singapore on 4th January 1994 as a branch representative office of The Institute of Electrical and Electronics Engineers, Inc. (IEEE). They aim to keep the Asia Pacific region include New Zealand the most vibrant and active of the 10 geographical regions in the IEEE, by keeping the volunteers informed and their activities coordinated.



ATTENDED A TALK ABOUT IEEE MOVE COMMUNITY OUTREACH

#Ideas #Power #Charge #Respond

IEEE-USA is offering a mobile emergency relief program committed to assisting victims of natural disasters with short-term communications infrastructure, computer, and power solutions. These temporary emergency relief provisions help people stay connected and make sure they can access the help they need.



WITH IEEE PRESIDENT, JIM JEFFERIES

IEEE a large, global technical professional organization with over 420,000 MEMBERS IN MORE THAN 190 COUNTRIES, is dedicated to advancing technology for the benefit of humanity.



FUTURE INTERNET TALK AT UNIVERSITY OF WAIKATO, NEW ZEALAND

These architectural design efforts aim to directly address the challenges that arise from the increasing demands for highly scalable content distribution, from accelerated growths of mobile devices, from wide deployment of Internet-of-things (IoT), and from the need to secure the global Internet.



McMaster University is a public top research university in Hamilton, Ontario, Canada. FOUNDED IN 1887, McMaster University is one of only five Canadian universities (and one of only two in Ontario) consistently RANKED AMONG THE TOP 100 IN THE WORLD BY THE MAJOR GLOBAL ranking systems



ICONDA CONFERENCE ON DRONE application

The advancement in computer and drone applications is beyond human imagination, affecting and transforming the society, both structurally and socially. Exploitation of computer and drone technology is crucial to humankind in the futuristic world. IConDA provides an exceptional value platform for sharing and networking among scientists, academicians, policy makers and stake holders from government institutions, universities, Non-Government Organizations as well as industry or private sector.



KEYNOTE TALK AT AUT, NZ

Transmission of Voice over Internet Protocol (VoIP) on packet switching networks is one of the rapidly emerging real-time applications. VoIP is a formation of audio and voice communication. It receive voice signal activities then encoded in digital form and divided into small parts of information as like voice data network packets. These data network packets are decoded and transmitted voice in signals then sender and receiver having a voice conversion



WITH SWINBURNE AUSTRALIAN UNIVERSITY ACADEMICIANS AND STUDENTS

Swinburne University of Technology Sarawak Campus is the foreign branch campus of Swinburne University in Melbourne, Australia and is located in Kuching, Sarawak, Malaysia. Established in 2000, Swinburne Sarawak operates as a partnership between the Sarawak State Government and Swinburne Australia.



KEYNOTE TALK AT MALAYSIA

The Internet plays a central role in our society. The Internet represents one of the most successful examples of the benefits of sustained investment and commitment to research and development of information infrastructure. Information Centric Networking (ICN) is a new paradigm where network communications are accomplished by requesting named content, instead of sending packets to destination addresses.



VISITED HYUNDAI MOTOR GROUP RESEARCH LAB SOUTH KOREA

The company was founded in 1967 and, along with its 32.8% owned subsidiary, Kia Motors, and its 100% owned luxury subsidiary Genesis Motors



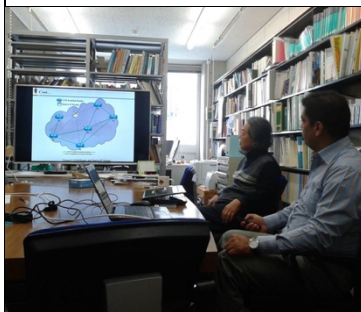
DRIVING TESLA ELECTRIC CAR IN SYDNEY AUSTRALIA

Tesla's mission is to accelerate the world's transition to sustainable energy by designing and manufacturing the best electric vehicles and energy storage systems. The future is electric! not just because electric vehicles are more environmentally friendly but because they are simply better cars.



ICANN MEETING, SOUTH AFRICA

CANN is a not-for-profit public-benefit corporation with participants from all over the world dedicated to keeping the Internet secure, stable and interoperable. It promotes competition and develops policy on the Internet's unique identifiers. Through its coordination role of the Internet's naming system, it does have an important impact on the expansion and evolution of the Internet.



INVITED PROFESSOR AT WASEDA UNIVERSITY, TOKYO, JAPAN

My tasks are to involve some projects as a co-collaborator such as Japan Society for the Promotion of Science (JSPS) and NICT EU-JAPAN. Furthermore, advise master by research students and final year engineering students. WASEDA UNIVERSITY started on October 21, 1882. Waseda University considers top 2nd or 3rd among Japanese universities.



FUTURE VIRTUAL REALITY DISPLAY

The Rift is a virtual reality head-mounted display headset developed by OCULUS VR AND 360 VIEW. The Rift is scheduled for release in the FIRST QUARTER OF 2016, making it one of the first consumer-targeted virtual reality headsets. OCULUS has described it as the first really professional PC-based VR headset. It has a resolution of 1080×1200 per eye, a 90 Hz refresh rate, and a wide field of view. It has integrated headphones which provide a 3D audio effect.

2.5 ENGAGED WITH INDUSTRY

I will also engage with external industries. I will work with industry in trans-disciplinary range of fields likewise, social network & innovation, mobile media, tangible technologies, augmented & virtual reality and games. I would like to say that academic and industry will enhance the student experience in creative technologies.

3. ACADEMIC ACTIVITIES / FUNDS/GRANTS OBTAINED

Year	Project/Grants	Research Amount
2 Years (January 2017 – December 2018) In Progress	University Malaysia Sabah Research Grant Scheme / UMS Innovation Grant Scheme REF: SGI0041 Title: An Efficient Novel Producer Mobility Scheme in Information Centric Network Researchers: Assoc. Prof Dr. Kashif Nisar (Primary Investigator), Assoc. Prof Dr. Dr. Ag. Asri Bin Ag. Ibrahim	RM 20,000.00
2 Years (January 2017 – December 2018) In Progress	University Malaysia Sabah Research Grant Scheme / UMS Innovation Grant Scheme REF: SGI0042 Title: Information & Communication Technologies Smart Living Home for Elderly People using Android Application Researchers: Assoc. Prof Dr. Ag. Asri Bin Ag. Ibrahim Assoc. Prof Dr. Kashif Nisar (Secondary Investigator).	RM 20,000.00
1 Year (November 2016 – December 2017) In Progress	University Malaysia Sabah Research Grant Scheme / UMSGreat REF: GUG0072-SG-2/2016 Title: Improving QoS in Terms of Delay using Software Defined Networking with Novel Approach Researchers: Assoc. Prof Dr. Kashif Nisar (Primary Investigator),	RM 10,000.00
3 Years (2014 – 2016) Completed	Japan Society for The Promotion of Science (JSPS) REF: 26330119 Title: Large Scale Mobile Social Network Services based on Content Centric Network Researchers: Professor Dr. Yong-Jin Park Assoc Prof. Dr. Kashif Nisar (Secondary Investigator).	Japanese ¥ Yen 4,952,000

<p>2 Years (January 2015 – December 2016) Completed</p>	<p>University Malaysia Sabah Research Grant Scheme /Research Priority Area Scheme REF: SBK0207 Title: Future Internet: A Novel Switch Models for Software-Defined Network</p> <p>Researchers: Assoc. Prof Dr. Kashif Nisar (Primary Investigator), Dr. Mohd Hanafi Ahmad Hijazi</p>	<p>RM 30,000.00</p>
<p>2 Months (July 2014 – August 2014) Completed</p>	<p>German Academic Exchange Service (DAAD) Grant and Finding Scholarship A Research Stays for University Academics and Scientists REF: DAAD-Malaysia Title: Analysis and Optimization of Friend Connections in Social Networks</p> <p>Researchers: Dr. Kashif Nisar (Primary Investigator), Prof Dr. Herwig Unger, Faculty of Mathematics and Computer Science, FernUniversität Hagen, Germany</p>	<p>€ Euro 4,700.00</p>
<p>2 Years & 8 Months (May 2012 – Jan 2015) Completed</p>	<p>Fundamental Research Grant (FRGS) REF: UUM/RIMC/P-30/2 (12378) Title: A New WDM Scheduler for VoIP over LAN and WLAN</p> <p>Researchers: Dr. Kashif Nisar (Primary Investigator), Dr. Angela Amphawan</p>	<p>RM 83,360.00</p>
<p>2 Years (Jan 2013 – Jul 2014) Completed</p>	<p>UUM PhD Research Grant, Universiti Utara Malaysia. Title: Viability of Broadband Access over Residential Power Line Communication Network</p> <p>Researchers: Dr. Kashif Nisar (Primary Investigator), Asoc Prof. Dr. Wan Rozaini Bt Sheik Osman and Mr. Mohd. Abdallah Mahmoud Mousa Altrad</p>	<p>RM 10,000.00</p>
<p>1 Year (15 Oct 2012 – 16 Oct 2013) Completed</p>	<p>University Grant REF: 12515 Title: Selective Excitation Using Photonic Crystal Fibre</p> <p>Researchers: Dr. Angela Amphawan,</p>	<p>RM10,000.00</p>

	Dr. Kashif Nisar (Secondary Investigator), Dr. Mohd. Nizam Bin Omar, and Prof Dr. Rahmat Budiatro	
1 Years (April 2013 – April 2014) Completed	ITU-UUM Research Grant, Universiti Utara Malaysia. REF: UUM/ITU/P-30 Title: Viability of BPLBroad over Residential Power Line Communication Network Researchers: Dr. Kashif Nisar (Primary Investigator), Assoc. Prof Dr. Wan Rozaini Bt Sheik Osman and Mr. Mohd. Abdallah Mahmoud Mousa Altrad	RM10,000.00
3 Years & 7 Months (August 2011 – March 2015) Completed	Long-Term Research Grant (LRGS) REF: LRGS/TD/2011/UKM/ICT/02/02(2) Title: Ensemble Mobile Platform for Innovative Digital Economy Environment –Enhancing protocol for peer to peer and peer to multipoint communications Researchers: Dr. Kashif Nisar, (Secondary Investigator), Dr. Ahmad Suki Che Mohd. Arif, Dr. Mohd. Hasbullah Omar	RM 170,400.00

4.ACADEMIC DUTES AT UNIVERSITY LEVEL

S.No.	Detail
1	<p>DUTIES AT UNIVERSITY MALAYSIA SABAH</p> <ul style="list-style-type: none"> • Teach two courses per semester, as assigned by the Department Dean. • Conduct scholarly research to accomplish peer-reviewed publications and funded research projects. • Participate in university organized seminars, faculty-development workshops, graduation ceremonies, bell-ringing ceremonies, founder's day activities and etc. • Serve as graduate advisor/ committee member to Master's degree students for their Thesis/Projects • Advise undergraduate and graduate students and register them for courses • Serve in the departmental, college and university level committees as determined by the Department Dean. • Hold three hours of office hours per course per week (totally nine hours) besides the class meeting times and be available for students at these times.
2	<p>DUTIES AT UNIVERSITY UTARA MALAYSIA</p> <ul style="list-style-type: none"> • Grade homework, projects and exams for courses allotted by the Department • Hold office hours (4 hours per week) to help students • Hold review sessions to discuss homework solutions • Monitor student labs for two hours per week • Assist in course assessment and evaluation at the end of the semester
3	<p>DUTIES AT UNIVERSITI TEKNOLOGI PETRONAS</p> <ul style="list-style-type: none"> • Grade homework, projects and exams for courses allotted by the Department • Hold office hours (4 hours per week) to help students • Hold review sessions to discuss homework solutions • Monitor student labs for two hours per week • Assist in course assessment and evaluation at the end of the semester

5. CONSULTANCY

Year	Position	Place of Work
04, September 2011 to Present	IT Consultant	ITU-UUM, Malaysia
01, August 2006 to 30, December 2007	Technical Advisor	R&D SerindIT. UUM, Kedah, Malaysia
01, June 2005 to 12, July 2006	IT Executive	Karachi Export Processing Zone, Pakistan

6. INDUSTRY

Year	Position	Place of Work
2006 – 2007	IT Consultant	Royal Malaysian Customs, Malaysia
2005 – 2006	IT Consultant	Pakistan Steel Mill, Karachi, Pakistan

7. MANAGERIAL

Year	Position	Place of Work
2011 – Present	Project Manager	LRGS Research, UUM, Malaysia
2008 - 2010	Network Consultant	VoIP Research Lab, UTP, Malaysia

8. RESEARCH SCHOLARSHIPS, FELLOWSHIP AND MEMBERSHIPS

Year	Membership / Fellowship	Organization / Institution
2018	Vice Chair, the IEEE Sabah Subsection, Malaysia. The geo-code is R0003503.	IEEE REGION: R10 - Asia And Pacific Section: Malaysia
2017-2018	The Optical Society (OSA) UMS Chapter Advisor Membership Number	The Optical Society (OSA) 2010 Massachusetts Ave., NW Washington, DC 20036 USA
2017-2018	ACM-SIGMOBILE Membership Number (Client: 9187515)	ACM Member Services Association for Computing Machinery, Inc. General Post Office P.O. Box 30777 New York, NY 10087-0777 USA
2017	APAN Fellowship	Asia-Pacific Advanced Network 44 Meeting (APAN44), August 26 to September 01, 2017. Dalian International Finance Conference Center, Dalian, China

2017	APAN Fellowship	Asia-Pacific Advanced Network 43rd Meeting (APAN43), February 12-17, 2017. India Habitat Centre (IHC), New Delhi, India
2016	IEEE USA Membership Number (93068300)	IEEE REGION: R10 - Asia And Pacific Section: Malaysia
2016	APAN Fellowship	Asia-Pacific Advanced Network 39th Meeting (APAN41), January 25 to 29, 2016, Marriott Hotel Manila, Newport City, Philippines
2015-2016	Invited Researcher	Waseda University, Tokyo, Japan
2015	APAN Fellowship	Asia-Pacific Advanced Network 40th Meeting (APAN40), August 10 - 14, 2015, University of Malaya, Kuala Lumpur, Malaysia
2015	APAN Fellowship	Asia-Pacific Advanced Network 39th Meeting (APAN39), March 01 - 06, 2015, Fukuoka, Japan
2014-2015	Visiting Scholar	Waseda University, Tokyo, Japan
2014-2014	Guest Professor & Research Stays for University Academics	Faculty of Mathematics and Computer Science, FernUniversität Hagen, Germany
2014	APAN Fellowship	Asia-Pacific Advanced Network 38th Meeting (APAN37), 11-15 Aug 2014 - Taipei or Nantou, Taiwan
2014	APAN Fellowship	Asia-Pacific Advanced Network 37th Meeting (APAN37), January 20 - 24, 2014, Bandung, Indonesia
2013	APAN, HDTV WG Session	Asia-Pacific Advanced Network 36th Meeting (APAN36), KAIST, Daejeon, August 19 - 23, 2013, South Korea,
2013 – Present	IAENG	The International Association of Engineers, Hong Kong
2012 – Present	Appointment as Fellow of ITU-UUM AP CoE	Appointed as fellow of ITU-UUM Asia Pacific Centre of Excellence for Rural ICT Development, UUM, Malaysia
2102 – Present	MYREN Internet works Working Group	Malaysian Research & Education Network, Malaysia
2012 – Present	Membership No: 4139974	Engineers Australia

2011 – Present	Global Membership	The Internet Society ISOC, USA
2011 – 2014	Senior Member	InterNetWorks Research Lab, Malaysia
2011 – 2013	Research Member	Network and Security Research Group (NSRG) Auckland University of Tech, New Zealand
2011 – 2013	PostDoc Fellow	Auckland University of Technology, New Zealand
2011 – Present	Honorary Research Scholar Appointment	CITR, University of Auckland, New Zealand
2010 – Present	IACSIT (No: 80331540)	Member of IACSIT, Singapore
2008 – 2011	PHD scholarship from PETRONAS Malaysia	Universiti Teknologi PETRONAS, Malaysia

9. RESEARCH MEDALS, AWARDS, HONORS AND RECOGNITION

S. No	Research Title	Research Patent Medals / Awards / Recognition
[1]	Smart Home: Multi sensor Information Fusion Toward Better Healthcare in Malaysia	Bronze Medal in recognition of my contribution in the PEREKA-UMS, held from 24-25 October. 2017, Kompleks Dewan Kuiah Pusat Ke-2, University Malaysia Sabah, Kota Kinabalu, Sabah, Malaysia
[1]	Architecture, Security Threats and Application of SDN	Bronze Medal in recognition of my contribution in the PEREKA-UMS, held from 24-25 October. 2017, Kompleks Dewan Kuiah Pusat Ke-2, University Malaysia Sabah, Kota Kinabalu, Sabah, Malaysia
[2]	Improving Quality Of Service With Respect To Delay In Fixed WiMAX Network	Bronze Medal in recognition of my contribution in the PEREKA-UMS, held from 27-28 September. 2016, Kompleks Dewan Kuiah Pusat Ke-2, University Malaysia Sabah, Kota Kinabalu, Sabah, Malaysia
[3]	A Novel Holographic Mode-Selective Launch for Bandwidth Enhancement in a Multimode Fibre Transmitter	Bronze Medal in recognition of my contribution in the Malaysian Technology Expo 2012, held from 16-18, February. 2012, Putra World Trade Centre (PWTC), Kuala Lumpur, Malaysia
[4]	A Novel Voice Priority Queue Scheduler and Algorithm for VoIP over WLANs	Bronze Medal in recognition of my contribution in the Malaysian Technology Expo 2012, held from 16-18, February. 2012, Putra World Trade Centre (PWTC), Kuala Lumpur, Malaysia

[5]	A Voice Priority Queue (VPQ) Scheduler Architecture and Algorithms for VoIP over WLAN Networks,	Patent Application in Malaysia under intellect patent & Innovation Sdn Bhd. Suite 13 A-06, Wisma MCA, 163 Jalan Ampang, 50450, Kuala Lumpur, Malaysia. 24, December. 2010. (Accepted)
[6]	Voice Priority Queue (VPQ) Scheduler Architecture and Algorithms for VoIP over WLAN Networks,	Bronze Medal in recognition of my contribution in the 26 th Engineering Design Exhibition (EDX), held from 25-26, October. 2010, Universiti Teknologi PETRONAS
[7]	Voice Priority Queue (VPQ) Scheduler Architecture and Algorithms for VoIP over WLAN Networks,	Best Poster Presentation Award in recognition of my contribution in the 26 th Engineering Design Exhibition (EDX), held from 25-26, October. 2010, Universiti Teknologi PETRONAS

10. ACADEMIC MISSION VISION

S.No.	Detail
1	Serve the community through teaching and high-quality peer-reviewed publications
2	Bridge the gap between undergraduate and graduate research
3	Develop a funded research program in Wireless Engineering that involves both undergraduate and graduate students. Mission vision academic

11. SUPERVISION OF PHD, MASTER & UNDERGRADUATE STUDENTS

A. PHD STUDENTS FINISHED

A. PHD STUDENTS ONGOING

S.No.	Detail
1	Farhan Ahmed IoT Security in Named Data Networking (Secondary Supervisor, 2019-ongoing)
2	Waseem Qadari Future Model for Software Defined Networking (Secondary Supervisor, 2019-ongoing)

S.No.	Detail
1	Abdallah Mahmoud Mousa Altrad Bridging the Digital Divide in Malaysia through Broadband Technology over PowerLine Networks (Primary Supervisor, 2011-2017) Finished
2	Ibrahim A. Lawal A Master-Slave New Model to Improve the QoS Performance over Fixed WiMAX (Secondary Supervisor, 2012-2015) Finished
3	Sushank Chaudhary A WDM Scheduler for a Real-Time Multimedia in WLAN (Secondary Supervisor, 2013-2017) Finished

B. MASTER STUDENTS

S.No.	Detail
1	<p>Mohammad Saad With Cross Layer Enhanced Performance of VoIP over WLANs (Primary Supervisor, 2011-2012) University Utara Malaysia, Sintok, Kedah, Malaysia.</p>
2	<p>Eddy Ekwem A Modeling and Simulation of IEEE 802.11 WLANs: A Case Study of a Network Simulator (Primary Supervisor, 2011-20115) University Utara Malaysia, Sintok, Kedah, Malaysia.</p>
3	<p>Name: Ngo, Thang Quan Degree: Master Research Title: Subscriber Mobility Support for Content-Oriented Publish/Subscribe System (Secondary Supervisor, 2011-20115)</p> <p>Waseda University Faculty of Science and Engineering Department of Communication and Computer Engineering Nishi-Waseda Campus, Building 55N, Room 0602 3-4-1 Ohkubo Shinjuku-ku Tokyo, 169-8555, Japan</p>
4	<p>Name: Yasuaki Maeda Degree: Undergraduate Research Title: CCN in 5G Mobile Network From 14/12/2015 to 21/12/2015 Completed</p> <p>Waseda University Faculty of Science and Engineering Department of Communication and Computer Engineering Nishi-Waseda Campus, Building 55N, Room 0602 3-4-1 Ohkubo Shinjuku-ku Tokyo, 169-8555, Japan</p>
5	<p>Name: Kento Fukuya Degree: Undergraduate Research Title: Network Mobility (NEMO) over NDN (Secondary Supervisor, 2015-2016)</p> <p>Waseda University Faculty of Science and Engineering Department of Communication and Computer Engineering Nishi-Waseda Campus, Building 55N, Room 0602 3-4-1 Ohkubo Shinjuku-ku Tokyo, 169-8555, Japan</p>
6	<p>Name: Emilia Rosa Jimson Degree: Master by Research Research Title: Improving Quality of Service With Respect To Delay in Fixed WiMAX Network (Primary Supervisor, 2016- In Progress)</p> <p>Faculty of Computing and Informatics University Malaysia Sabah</p>

	Jalan UMS, 88400 Kota Kinabalu Sabah, Malaysia
7	<p>Name: Nur Faiza Bt Ali Degree: Master by Research Research Title: A Novel Software Defined Network and Model for Sustainable Environment Effective Indoor / Outdoor Air Quality Monitoring (Secondary Supervisor, 2016- In Progress)</p> <p>Department of Computer and Informatic Sciences Universiti Teknologi PETRONAS Seri Inskandar, Perak, Darul Ridzwan, Malaysia,</p>

C. EXAMINER MASTER STUDENTS

S.No.	Detail
1	<p>Moheimen Mohomed Jleil Jawad Title: Reducing Energy Consumption in Wireless Sensor Networks using Hybrid MAC protocol</p> <p>Matric no 812679 Date: 30 11 2014 STIZ69920 Dissertation (Group A) (University Utara Malaysia)</p>
2	<p>Luthfi Mohd Radzi Title:</p> <p>Matric No: 802851 Date: 25 11 2012 STIZ6996 Dissertation (Group A) (University Utara Malaysia)</p>
3	<p>Mohamud Subri Halim Title: Matric no 808974 Date: 27 11 2012 STIZ6996 Dissertation (Group A) (University Utara Malaysia)</p>
4	<p>Mohammed Gamal Ahmed Ali Alsammar Title:</p> <p>Matric no 806983 Date: 28 11 2012 STIZ6996 Dissertation (Group A) (University Utara Malaysia)</p>

D. INDUSTRIAL TRAINING SUPERVISION OF UNDERGRADUATE STUDENTS

S.No.	Student Detail	Organization Address
1	<p>Tamimu Ramadhani Mohamedi</p> <p>Matric no: BK11270443 Date: 16/02/2015 TO 21/8/2015 (University Malaysia Sabah)</p>	<p>Inferno Network Lot 10, Block 16, Penang Baru Shoplot, 88300 Kota Kinabalu Sabah, Malaysia</p>
2	<p>Norizah Binti Hashim</p> <p>Matric no: BK12110254 Date: 16/02/2015 TO 21/8/2015 (University Malaysia Sabah)</p>	<p>Kementerian Belia Dan Sukan Tingkat, 10, Blok B, Wisma MUIS Karung Berkunci No.2007, 88999, Kota Kinabalu Sabah, Malaysia</p>
3	<p>Mohd Safuan Bin Abdul Aziz</p> <p>Matric no: BK12110191 Date: 16/02/2015 TO 21/8/2015 (University Malaysia Sabah)</p>	<p>Kumpulan Yayasan Sabah Unit Pembangunan Sumber Manusia Menara Tun Mustapha, Kompleks Ibu Pejabat Yayasan Sabah, Teluk Likas, Peti Surat 11201, 88813, Kota Kinabalu, Sabah, Malaysia</p>
4	<p>Farah An-Najma Bt Muhammad</p> <p>Matric no: BK12110082 Date: 16/02/2015 TO 21/8/2015 (University Malaysia Sabah)</p>	<p>Kumpulan Yayasan Sabah Unit Pembangunan Sumber Manusia Menara Tun Mustapha, Kompleks Ibu Pejabat Yayasan Sabah, Teluk Likas, Peti Surat 11201, 88813, Kota Kinabalu, Sabah, Malaysia</p>
5	<p>Muhammad Abdillahi Mwinchande</p> <p>Matric no: BK11270438 Date: 16/02/2015 TO 21/8/2015 (University Malaysia Sabah)</p>	<p>Kumpulan Yayasan Sabah Unit Pembangunan Sumber Manusia Menara Tun Mustapha, Kompleks Ibu Pejabat Yayasan Sabah, Teluk Likas, Peti Surat 11201, 88813, Kota Kinabalu, Sabah, Malaysia</p>
6	<p>Siti Husna Bt Hasbullah</p> <p>Matric no: BK12110325 Date: 16/02/2015 TO 21/8/2015 (University Malaysia Sabah)</p>	<p>Kumpulan Yayasan Sabah Unit Pembangunan Sumber Manusia Menara Tun Mustapha, Kompleks Ibu Pejabat Yayasan Sabah, Teluk Likas, Peti Surat 11201, 88813, Kota Kinabalu, Sabah, Malaysia</p>
7	<p>Khairun Najeaha Binti Md. Halimshah</p> <p>Matric no: BK12110133 Date: 16/02/2015 TO 21/8/2015 (University Malaysia Sabah)</p>	<p>Kumpulan Yayasan Sabah Unit Pembangunan Sumber Manusia Menara Tun Mustapha, Kompleks Ibu Pejabat Yayasan Sabah, Teluk Likas, Peti Surat 11201, 88813, Kota Kinabalu, Sabah, Malaysia</p>
8	<p>Yuszielyana Binti Yunus</p> <p>Matric no: BK13110456 Date: 16/02/2016 TO 21/8/2016 (University Malaysia Sabah)</p>	<p>Jabatan Perrkhidmatan Komputer Negeri, Cawangan Keningau, jalan BPSM, P.o Box 1030, Keningau</p>
9	<p>Hani Nadhirah Binti Yassin</p> <p>Matric no: BK13110130 Date: : 16/02/2016 TO 21/8/2016 (University Malaysia Sabah)</p>	<p>Jabatan Perrkhidmatan Komputer Negeri, Cawangan Keningau, jalan BPSM, P.o Box 1030, Keningau</p>

10	Muhammad Mirza Nurhan Bin Faizal Sazali Matric no: BK13160560 Date: : 16/02/2016 TO 21/8/2016 (University Malaysia Sabah)	Ibu Pejabat Polis Diraja Malaysia Kontinjen Sabah, Kepyayan, Kota Kinabalu Kota Kinabalu
11	Noor Shazwani Ab. Taib Matric no: BK13110280 Date: : 16/02/2016 TO 21/8/2016 (University Malaysia Sabah)	Ibu Pejabat Polis Diraja Malaysia Kontinjen Sabah, Kepyayan, Kota Kinabalu Kota Kinabalu
12	Chaw Kong Sing Matric no: BK13110055 Date : 16/02/2016 TO 21/8/2016 (University Malaysia Sabah)	Elegant Aspire Lot 31, 1st Floor, Likas Square Commercial Centre, Jalan Istiadat, Teluk Likas, 88400 Kota Kinabalu, Sabah,
13	Nooriani Binti Jabar Matric no: BK13110282 Date: : 16/02/2016 TO 21/8/2016 (University Malaysia Sabah)	ASCII COMPUTER HOUSE Lot 9, Jalan Sam Kee, P/S 98, 89158 Kota Belud Sabah. kota belud
14	Tang Chiok Sen Matric no: BK13110421 Date: : 16/02/2016 TO 21/8/2016 (University Malaysia Sabah)	Sarawak Oil Palms Bhd. No. 124-126, Jalan Bendahara, P.O. Box 547, 98007 Miri, Sarawak, Malaysia.
15	Low Yong Sun Matric no: BK13110193 Date: : 16/02/2016 TO 21/8/2016 (University Malaysia Sabah)	Trimajasa Sdn Bhd No. 24, 1st Floor, Block C, Damai Plaza, Luyang, Kota Kinabalu, Sabah

E. UNDERGRADUATE FIRST 2015 / SECOND YEAR 2016 MENTOR AT UMS, MY

S.No.	Detail
1	STUDENT NAME: NUR AMALINA BINTI SUMINO MATRIC NO: BI14160424
2	Student Name: 'Izzah 'Arifah Binti Mohd Sofi Matric No: Bi15110005
3	Student Name: Carloslie Loipin Matric No: Bi15110033
4	Student Name: Chai Chuan Wooi Matric No: Bi15110036
5	Student Name: Chan Chee Hau Matric No: Bi15110038
6	Student Name: Chan Jia Mun Matric No: Bi15110039
7	Student Name: Cheong Moon Sze Matric No: Bi15110042
8	Student Name: Chuah Phang Hoong Matric No: Bi15110050
9	Student Name: Conny Bte Majaun Matric No: Bi15110052
10	Student Name: Crystalyn J Goldolin Matric No: Bi15110054
11	Student Name: Erna Syaflnaz Binti Junaidi Matric No: Bi15110065
12	Student Name: Foo Zhi Ming Matric No: Bi15110072
13	Student Name: Hirmalin Binti Darno Matric No: Bi15110080
14	Student Name: Kashvini A/P Achuthan Matric No: Bi15110093
15	Student Name: Kenny Kent Anak Akiw Matric No: Bi15110097
16	Student Name: Kow Lay Yenn Matric No: Bi15110102

17	Student Name: Kugendran A/L Subramaniam Matric No: Bi15110103
18	Student Name: Lee Tze Loong Matric No: Bi15110115
19	Student Name: Lim Jick Shen Matric No: Bi15110124
20	Student Name: Loong Theng Fei Matric No: Bi15110130
21	Student Name: Low Ai Sin Matric No: Bi15110131
22	Student Name: Muhamad Amirul Ashraf Bin Bazlan Matric No: Bi15110162
23	Student Name: Muhammad Azhad Bin Mohd Ayub Matric No: Bi15110167
24	Student Name: Muhammad Ilman Luqman Bin Matzinan Matric No: Bi15110172
25	Student Name: Muhammad Syawal Bin Herman Matric No: Bi15110175
26	Student Name: Ng Kun Qi Matric No: Bi15110181
27	Student Name: Noor Zawani Binti Mat Radzi Matric No: Bi15110190
28	Student Name: Nor Hidayah Binti Rusdi Matric No: Bi15110193
29	Student Name: Nor Idayu Binti Ferdusallmin Matric No: Bi15110194
30	Student Name: Nur Inani Binti Abd Malek Matric No: Bi15110207
31	Student Name: Nur Syahirah Binti Amat Matric No: Bi15110217
32	Student Name: Nur Syahirah Binti Mohd Fesool Matric No: Bi15110218
33	Student Name: Nurdiana Binti Jamal Matric No: Bi15110223

34	Student Name: Nurhayati Binti Hamzani Matric No: Bi15110230
35	Student Name: Nurul Aliah Wahidah Binti Mohd Afendi Matric No: Bi15110236
36	Student Name: Ong Hong Teck Matric No: Bi15110249
37	Student Name: Petresia Olivia Petus Matric No: Bi15110253
38	Student Name: Puteri Nurul Herwanah Binti Herwan Matric No: Bi15110255
39	Student Name: Suganthan A/L S Pragasam Matric No: Bi15110283
40	Student Name: Suhailah Binti Sudirman Matric No: Bi15110285
41	Student Name: Syammirul Bin Rashid Matric No: Bi15110290
42	Student Name: Tan Wei Hang Matric No: Bi15110300
43	Student Name: Teoh Lee Sheng Matric No: Bi15110311
44	Student Name: Wui Ming Lee Barroga Matric No: Bi15110329
45	Student Name: Yeow Yu Chen Matric No: Bi15110335
46	Student Name: Zada Qusyairin Binti Mohd Zainuddin @ Gregory Matric No: Bi15110339
47	Student Name: Amanina Binti Othman Matric No: Bi15110345
48	Student Name: Erma Erviana Binti Osman Matric No: Bi15110348
49	Student Name: Juan Jaikol Matric No: Bi15110352
50	STUDENT NAME: BERNICAEEL BERNARD ANAK MEGOL MATRIC NO: BI15160367

51	STUDENT NAME: ELLEN JUSTIN MATRIC NO: BI15160370
52	STUDENT NAME: JANET LINCY LASA MATRIC NO: BI15160374
53	STUDENT NAME: MUHAMMAD HAFIZI BIN HASNIM MATRIC NO: BI15160378
54	STUDENT NAME: SITI FARAHAİN BINTI ABDUL RAHİM MATRIC NO: BI15160392
55	STUDENT NAME: NURQURRATU'AIN IZZATIE BINTI OMAR MATRIC NO: BK11110238

F. UNDERGRADUATE FINAL YEAR PROJECT SUPERISION

S.No.	Detail
1	<p>Student Name: Shairattul Irana Binti Sahartang Matric No: BK13160536 Date: 01 09 2016 to 31 08 2017</p> <p>PROJECT TITLE: A Propose New Model for Software Defined Network to Improve Quality of Service Performance of Network</p>
2	<p>Student Name: Nur Munira Farwin Binti Syed Harun Matric No: BK13110315 Date: 01 09 2016 to 31 08 2017</p> <p>PROJECT TITLE: An Investigation on the Impact of Traffic Distribution on Wireless Local Area Network (WLAN) Perform</p>
3	<p>Student Name: Nur Farhana Hazwani Binti Ahmad Matric No: BK12110264 Date: 01 01 2016 to 31 12 2016</p> <p>PROJECT TITLE: Research Comparison Quality over Services (QoS) of VoIP over WLAN (University Malaysia Sabah)</p>
4	<p>Student Name: Nurul Ainaa' Binti Mohamed Matric No: BK12160469 Date: 01 01 2016 to 31 12 2016</p> <p>PROJECT TITLE: Improving Quality Of Service With Respect To Delay In Fixed WiMAX Network (University Malaysia Sabah)</p>
5	<p>Student Name: Siti Nurul Ain Bt Shaary Matric No: BK 12110332 Date: 01 09 2015 to 30 08 2016</p> <p>PROJECT TITLE: Research on Software Defined Network for Security Enhancement in Wireless Mobile Network (University Malaysia Sabah)</p>
6	<p>Student Name: Reena Sorfiana Binti Rodrigo Matric No: BK 12110301 Date: 01 09 2015 to 30 08 2016</p> <p>PROJECT TITLE: UMS SERVICES LIST FOR ANDROID DEVICE</p>

(University Malaysia Sabah)

G. UNDERGRADUATE FINAL YEAR PROJECT EXAMINER

S.No.	Detail
1	Student Name: Muhammad Safwan Matric No: BK12160461 Date: 04 01 2017 PROJECT TITLE: Expert Systems for Designing Campus Networks
2	Student Name: Nuralhana Binti Mohamad Amin Matric No: BK13110328 Date: 04 01 2017 PROJECT TITLE: A study of UMS Wireless Performance: Case study of Student Hostel
3	Student Name: Chaw Kong Sing Matric No: BK13110055 Date: 04 01 2017 PROJECT TITLE: Implementation and Performance Study of Intrusion Detection System for a Wireless Mesh Network
4	Student Name: Nurul Atika Binti Rahim Matric No: BK13110341 Date: 04 01 2017 PROJECT TITLE: WebVR Tour of Tunku Abdul Rahman National Park (Sapi Island): Images Stitching
5	Student Name: Yuszielyana Binti Yunus Matric No: BK13110456 Date: 04 01 2017 PROJECT TITLE: WebVR Tour of Tunku Abdul Rahman National Park (Manukan Island): Database
6	Student Name: Nurul Atiqah Binti Amir Nordin Matric No: BK13110342 Date: 04 01 2017

	<p>PROJECT TITLE: WebVR Tour of Tunku Abdul Rahman National Park (Mamutik Island): Web Interface</p>
7	<p>Student Name: Nurul Nadzirah Binti Zakaria Matric No: BK13110136 Date: 04 01 2017</p> <p>PROJECT TITLE: Linear Solver using Block Iteration via GPGPU</p>
8	<p>Student Name: Nurul Afiqa Binti Supriyono Matric No: BK13110339 Date: 04 01 2017</p> <p>PROJECT TITLE: Learning Module for Disable Learner using AR</p>
9	<p>Student Name: Nooriani Binti Jabar Matric No: BK13110282 Date: 04 01 2017</p> <p>PROJECT TITLE: Augmented Reality for Jawi Alphabets</p>
10	<p>Student Name: Nor Syahira Binti Hamzah Matric No: BK12110264 Date: 26 05 2016</p> <p>PROJECT TITLE: UMS-Intech Club Management (University Malaysia Sabah)</p>
11	<p>Student Name: Mohamad Shafion Bin Seto Matric No: BK12160469 Date: Date: 26 05 2016</p> <p>PROJECT TITLE: A Study on Video Conference Performance Between Selected Regions in Sabah (University Malaysia Sabah)</p>
12	<p>Student Name: Norwahida Binti Othman Matric No: BK 12110332 Date: Date: 02 06 2016</p> <p>PROJECT TITLE: UMS-Intech Club Unified Security Management (University Malaysia Sabah)</p>

13	<p>Student Name: Tamimu Ramadhani Mohamedi Matric No: BK 12110301 Date: 03 06 2016</p> <p>PROJECT TITLE: VISA APPLICATION AND RENEWAL VIA ONLINE SUBMISSION (University Malaysia Sabah)</p>
14	<p>Student Name: Muhammad Abdillahi Mwinchande Matric No: BK 12110301 Date: 03 06 2016</p> <p>PROJECT TITLE: Novel Technique to Recover Missing IP Packets In Packet Transmission Channel (University Malaysia Sabah)</p>
15	<p>Student Name: Toh Ban Soon Matric No: BK 12110301 Date: 03 06 2016</p> <p>PROJECT TITLE: Vision-based Augmented Reality (AR) Mobile Application in Advertising/Marketing Purposes (University Malaysia Sabah)</p>

12. RESEARCH PROJECT DONE WITH UNDERGRADUATE STUDENTS

S.No.	Detail
1	<p data-bbox="418 121 1498 153">Performance study of IEEE 802.11g in noise and interference environments</p> <p data-bbox="418 233 1498 415">This project aims to investigate the throughput performance of a typical IEEE 802.11g WLAN under noise and interfering environments. In particular, the correlation between Signal to Noise and Interference Ratio (SNIR) and link throughput will be determined. Radio propagation measurements as well as simulation methodology will be used for performance study.</p>
2	<p data-bbox="418 464 1498 495">Performance study of IEEE 802.11 WLANs in the presence of hidden stations</p> <p data-bbox="418 562 1498 821">When a wireless station is in the range of receiver but not in the range of a transmitter, can lead to increased number of collisions. Such a station is referred to as a hidden station. The performance of a typical WLAN can be affected by hidden stations. This project aims to study the performance of IEEE 802.11 WLANs in the presence of hidden stations. The performance metrics, such as mean packet delay, throughput, packet dropping, and fairness will be examined. The propagation measurements as well as system simulation will be used for performance analysis.</p>
3	<p data-bbox="418 867 1498 898">Performance study of 802.11a networks</p> <p data-bbox="418 966 1498 1224">Both 802.11b and 802.11g operate at 2.4 GHz and they support up to 11 Mbps and 54 Mbps, respectively. However, 802.11a operates at 5 GHz and has different radio propagation characteristics than those of 802.11b/g. The impact of using 5 GHz signals on WLAN performance especially in obstructed office spaces and residential houses has not been fully investigated yet. This project aims to investigate throughput and response time in obstructed office and residential houses. The effect of noise and co-channel interference on system performance will be examined.</p>
4	<p data-bbox="418 1272 1498 1346">A study of the impact of walls on the performance of a typical 802.11 network in obstructed office environments</p> <p data-bbox="418 1371 1498 1671">It is obvious that the large number of office walls/partitions would completely block the radio signal and consequently break down communication between a sender (Tx) and a receiver (Rx). It is useful to be able to know what happens if only 3 or 4 walls blocked the Line-of-Sight (LOS) signal between Tx and Rx. This study is useful for design and deployment of indoor Wireless Local Area Network (WLAN) systems. This project aims to study the performance of 802.11 networks at different distances with fewer walls between the Tx and Rx in obstructed office spaces and suburban residential house environments. Radio propagation measurement methodology will be used for performance study</p>
5	<p data-bbox="418 1717 1498 1749">Modeling and performance evaluation of a routing protocol for MANETs</p> <p data-bbox="418 1816 1498 1917">A Mobile Ad-Hoc Network (MANET) is a collection of wireless nodes communicating with each other using multi-hop wireless links without any existing network infrastructure or centralized administration. In MANETs, network topology changes frequently and</p>

	<p>unpredictably making routing protocols in such networks more challenging compared to wired networks. A good understanding of the routing protocols for MANETs is required for Efficient design and performance improvement of such systems. This project aims to propose an improved routing protocol for MANETs. The performance of the proposed routing protocol will be evaluated by simulation. Performance metrics such as mean packet delay, throughput, path length and quality, and routing overhead will be examined.</p>
6	<p>Modeling and optimization of wireless mesh network MAC protocols</p> <p>As Wireless Mesh Networks (WMNs) are becoming attractive solution for providing low-cost and high-speed Internet access citywide. Performance analysis and optimization of these networks are required for efficient design and deployment of such systems. This research aims to develop a realistic analytical model to optimize the performance of 802.11-based Medium Access Control (MAC) protocols for WMNs in both ideal and error prone channels. Various factors such as the number of contending nodes, traffic load, contention window size, packet overhead and channel conditions, affecting the performance WMNs will be analyzed. The analytical models will be validated using computer simulation. The prospective student should have a strong background in Mathematics together with wireless communications and networking. A good working knowledge of MATLAB and network simulation packages (OPNET and ns-2).</p>
7	<p>Performance modeling of congestion control mechanisms in wireless mesh networks</p> <p>IEEE 802.11-based Wireless Mesh Network (WMN) is an attractive solution for providing Low-cost and high-speed Internet access citywide. A good understanding of the congestion control mechanisms in WMNs is required for efficient design and dimensioning of such Systems. This project aims to study existing congestion control mechanisms and propose an Improved mechanism for WMNs. The performance evaluation of the proposed scheme will be carried out by simulation.</p>
8	<p>A study of routing protocols for wireless mesh networks</p> <p>Routing protocols play an important role in determining the performance of Wireless Mesh Networks (WMNs). This project aims to study the existing routing protocols and propose an improved routing protocol for WMNs. Computer simulation methodology will be used for performance evaluation of the proposed protocol. Performance metrics such as mean packet delay, throughput, path length and quality, and routing overhead will be examined.</p>
9	<p>An investigation on the impact of traffic distribution on WLAN performance</p> <p>A good understanding of the traffic arrival distributions at the stations is required for efficient design and dimensioning of Wireless Local Area Networks (WLANs). This project aims to investigate the impact of traffic arrival distributions on the performance of a typical 802.11 WLAN. Propagation measurements as well as simulation will be used for performance study.</p>
10	<p>A study on the combined effect of received signal strength and video streaming on WLAN performance</p>

	<p>This project aims to address the following research question: What impact do the different received signal strength (RSS) values and video streaming have on Wireless Local Area Network (WLAN) performance? In particular, how sensitive are video quality of service parameters (e.g. playback delay) to changes in the channel states. Radio propagation measurements and simulation will be used for performance study.</p>
11	<p>Modeling and performance studies of ATM networks</p> <p>Asynchronous Transfer Mode (ATM) networks use a cell relay protocol designed by the ATM Forum and adopted by the ITU-T. ATM networks provide a better Quality of Service (QoS) compared to the Ethernet networks. This project aims to analyse the performance of an ATM network. In particular, this research investigates the impact of cell length as well as traffic type on a typical wide-area ATM network. Simulation will be used for performance analysis.</p>
12	<p>QoS schemes for IEEE 802.11 DCF WLANs</p> <p>The original IEEE 802.11 Wireless Local Area Network (WLAN) lacks quality of service (QoS) schemes to support real-time applications. This project aims to propose an enhanced MAC protocol to include a QoS (e.g. real-time applications) provision in the IEEE 802.11 protocol. Simulation modeling will be used for performance analysis.</p>
13	<p>Improving TCP performance in MANETs</p> <p>Transmission Control Protocol (TCP) is not originally design for use in the MANET environments, and therefore it raises a serious performance issues. This project aims to investigate methods of improving TCP performance in MANETs. Simulation methodology will be used for performance study.</p>
14	<p>Performance study of VANETs using Wi-Fi</p> <p>Research in VANETs has attracted a lot of interest in recent years. This project aims to investigate the performance of Vehicular Ad Hoc Networks (VANETs) using Wi-Fi gear. The performance metrics, such as channel utilization, packet delay, throughput, and packet dropping will be examined. The propagation measurements as well as simulation will be used for performance analysis.</p>
15	<p>Performance Studies of IEEE 802.16-Based Mobile WiMAX</p> <p>The mobile WiMAX has been standardized by IEEE 802.16e working group in recent years, and is becoming an attractive solution for low cost broadband Internet access technology. A good understanding of the performance of mobile WiMAX is required for efficient deign and deployment of such technologies. This research aims to study the impact of traffic type (e.g. data, voice, and video) and mobility on the performance of a typical WiMAX. In the</p>

	<p>investigation simulation methodology will be used. Performance metrics such as throughput, end-to-end delay, packet loss, and jitter will be used for performance evaluation.</p>
16	<p>Modeling and performance evaluation of IEEE 802.15-based WPANs</p> <p>A Medium Access Control (MAC) protocol is one of the key elements that determine the performance of Bluetooth Wireless Personal Area Networks (WPANs). This project aims to develop an improved MAC protocol for WPANs. Simulation and/or analytical methodology will be used for performance evaluation of the proposed protocol.</p>
17	<p>Improved security mechanism for IEEE 802.11-based WLANs</p> <p>Although IEEE 802.11-based Wireless Local Area Networks (WLANs) are gaining popularity in both business and home networking applications worldwide, WLAN security remains an Ongoing concern. The rapid deployment of WLANs has further emphasized the security vulnerabilities in the 802.11 standard. Clearly, the 802.11 standard has security flaws in both authentication and encryption. This project aims to propose an alternative security enhancement method for 802.11 networks.</p>
18	<p>Rapid risk management framework for e-commerce</p> <p>One of the challenges faced by e-commerce companies is to manage the potential threats and risks effectively in a short period of time. This project aims to develop a robust framework for rapid risk management in e-commerce and online businesses by combining risk management modeling and database (knowledge base). The idea is to get information of the ‘threat history’ (i.e. new threat or old threat) and share this knowledge with risk management database, so that the system can operate efficiently even in the high-risk situation. The performance evaluation of the proposed risk management framework will be carried out by real data and/or computer simulation.</p>
19	<p>Forensic Information Technology</p> <p>The rapid growth of IT has resulted in many organizations and companies being at risk from unauthorized external access to, or malicious internal corruption of, information and other business/financial assets. The Master of Forensic IT covers the critical aspects of forensic information technology: seizing and securing IT equipment used for criminal activity; interpreting and analyzing the content of hard disks and other electronic media to build an understanding of the processes underpinning possible criminal activity; gathering evidence from electronic media and other sources of potential criminal activity in a systematic and rigorous way; presenting such evidence in a court of law in a way that is intelligible to non-experts; and recreating e-laundering trails to allow for seizure and forfeit of criminal proceeds if required by a court of law.</p>

13. . TEACHING COURSES

A. TEACHING COURSES UNDERGRADUATE STUDENTS

S.No.	COURSE DETAIL	HOURS/WEEK
1	STIJ3143 LATEST ISSUES IN NETWORK (2011, 2012, 2013, 2014) (University Utara Malaysia)	3
2	STIJ3053 NETWORK DESIGN (2013) (University Utara Malaysia)	3
3	STIK 2023COMPUTER SYSTEM ARCHITECTURE (2014) (University Utara Malaysia)	3
4	KP44603 NETWORK MANAGEMENT AND MONITORING (2015) (University Malaysia Sabah)	3
5	KP01203 NETWORK MANAGEMENT AND SECURITY (2015) (University Malaysia Sabah)	3
6	KP00803 SPECIAL TOPICS ON NETWORKS (COMPUTER FORENSIC) (2015) (University Malaysia Sabah)	3
7	KK04123 Mobile Computing (4th Year Fist Semester) (2015) (University Malaysia Sabah)	3
8	KP44303 Mobile Computing and Wireless (4th Year Fist Semester) (2015) (University Malaysia Sabah)	3
9	KP44503 Distributed Systems and Client-Server Programming (4th Year Fist Semester) (2015) (University Malaysia Sabah)	3
10	KP24403 Web Technology (2nd Year Fist Semester) (2017) (University Malaysia Sabah)	3

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B. TEACHING COURSES MASTER STUDENTS

S.No.	COURSE DETAIL	HOURS/WEEK
1	STIJ5014 DISTRIBUTED SYSTEMS (2013) (University Utara Malaysia)	3
2	STIJ6054/STIJ6043 COMPUTER FORENSIC (2013) (University Utara Malaysia)	3

C. UPDATE COURSE AND LABORATORY MANUALS AND LECTURE MASTER

S.No.	COURSE DETAIL	HOURS/WEEK
1	KP44603 FUTURE TELECOMMUNICATION TECHNOLOGIES (2015) (University Malaysia Sabah)	3
1	KP44603 NETWORK MANAGEMENT AND MONITORING (2015) (University Malaysia Sabah)	3
2	STIJ6054/STIJ6043 COMPUTER FORENSIC (2013) (University Utara Malaysia)	3

14. SUBJECTS TAUGHT

- Optoelectronics and Optical Communications (ETM4106),
- Antennas and Propagation (EMG 4066) ,
- Control Theory (EPM2036),
- Advanced Electromagnetic Theory (ETM 3046),
- Electronics III (ETM 1046),
- Digital Communications (ETM 3072),
- Mini Project (EPT 3016)

15. LABS SUPERVISED

Power Electronics, Electronics III, Antenna and Propagation, Advanced Electromagnetic Theory, Analogue Communications, Digital Communications, Control Theory, Optical Communication Systems

16. RESEARCH & DEVELOPMENT (R&D) AREAS

Communication Networks: Future Internet, Protocol Engineering, Network Quality of Service (QoS), Internet Architecture and Technologies, Network Performances, Network Traffic Engineering, Network Security, Wireless and Mobile Networking, Local Area Networking Telecommunications/Network Management.

Computer Systems: {Open Source, Wireless, Mobile, Distributed, Secure, Ubiquitous, High Performance, Grid, Cloud} Computing

Computing/Informatics: {Internet Governance, Science, Technology, Knowledge Management, Economic and Societal Impact}

17. Current Research

- a. Wireless network architecture
- b. Wireless MAC protocols
- c. Wireless sensor networks
- d. Bioinformatics,
- e. Computational Biology,
- f. Biologically Inspiration,
- g. Human Computer Interaction
- h. Radio propagation measurements
- i. Performance estimation of VoIP over wireless networks
- j. Cross-layer wireless network design optimization
- k. TCP performance evaluation
- l. Wireless routing protocols & Wireless mesh networks
- m. Wireless and RFID security & Wi-Fi deployment
- n. Broadband technology deployment
- o. Developing tools to enhance teaching and learning
- p. Curriculum development
- q. Human Multi- Touch Blob interaction

18. Previous Research

- E-learning
- Electronic design
- WLAN Networks
- Computer hardware
- Microprocessor-based design

19. Research Skills

I have obtained solid training in Research and Development (R&D), writing funding proposal, journal publication, analysis and as a consultant. I am involving modeling, simulation, experimental work, interaction with academic institutions, interaction with industry and grant proposals writing. Given the opportunity I can say that I would contribute to University mission in the following ways. I will bring credibility in network research, postgraduate supervision, international collaboration and high quality research students to University. Details are as following:

- I have strong background in my areas.
- I have done strong modeling and mathematical formulation
- Very good knowledge of written and spoken English
- Very good critical reasoning skills
- Very good knowledge of mathematical modeling and simulation
- Strong motivation, with a desire to experiment and explore

20. Book Review

S.No.	Detail
1	Nurul I Sarkar. (2013). "Improving the Performance of Wireless LANs: A Practical Guide" – is slated for 2013 and is being published by Taylor & Francis Group 4 Park Square Milton Park Abingdon Oxfordshire OX14 4RN United Kingdom .

21. Head of Access Technologies and Senior Lecturer, School of Computing, University Utara Malaysia (UUM), Kedah, Malaysia

Special Roles

- International Telecommunications Union (ITU) Fellow
- Committee Member, University Innovation Centre
- Committee Member, Master of Research Committee
- Committee Member, New Program Committee
- Committee Member, Internationalization Committee

22. Postgraduate Teaching and Supervision Workshop Attended

- 2013 Overcoming ESL Supervision
- 2012 Examining a thesis
- 2012 Providing feedback on students draft
- 2012 The role of the supervisor
- 2012 Introduction to research supervision at UUM University
- 2012 The supervision agreement
- 2010 Postgraduate Supervision at UUM University

23. Ten Inspiring Books Recently Read

S.No.	Detail
1	Emotional and Spiritual Quotient: The ESQ165 Way by Ary Ginanjar Agustian
2	The Monk Who Sold His Ferrari by Robin Sharma
3	Who Moved My Cheese by Ken Blanchard and Spencer Johnson
4	Our Iceberg Is Melting by Professor John
5	The Kite Runner, a great novel by Khaled Hosseini
6	The Present by Ken Blanchard
7	Six Thinking Hats by Edward De Bono
8	Five Minds for the Future by Howard Gartner
9	Rich Dad Poor Dad by Robert Kiyosaki
10	The Last Lecture by Professor Randy Pausch of Carnegie Mellon

24. Cyber Connections

S.No.	Detail
1	Skype: net4kashif
2	Facebook: Kashif Nisar
3	Pinterest: https://www.pinterest.com/kashifnisar/
4	Twitter: @kashif638 (https://twitter.com/kashif638)
5	Linked-in: https://www.linkedin.com/pub/kashif-nisar/16/a83/928
6	Google+: net4kashif

7	Meetup: net4kashif
8	Soundcloud: net4kashif

25. Peer Reviewer for Academic Promotion and Tenure Applications

S.No.	Detail
1	<p>Name of Application: Dr. Adnan Noor Mian (2016) Chairman, Department of Computer Science, Present Position: Tenure-Track Assistant Professor POSITION APPLIED FOR: Tenure-Track Associate Professor Information Technology University (ITU), 6th floor, Arfa Software Technology Park, Ferozpur Road, Lahore, Pakistan. Website: www.itu.edu.pk</p>
2	<p>Name of Application: Dr. AURANGZEB KHAN (2014) Director Institute of Engineering and Computing Sciences. Present Position: Assistant Professor POSITION APPLIED FOR: Associate Professor UNIVERSITY OF SCIENCE & TECHNOLOGY, BANNU, Bannu Township, Bannu, KPK, Pakistan Phone: 0928-621123, Fax: 0928-624088 Website: www.ustb.edu.pk</p>

26. Appearance in Newsletters, Newspaper and TV

S.No.	Detail
1	<p>The 13th IEEE International Conference Application of Information and Communication Technologies, 23-25 Oct 2019 Baku, Azerbaijan https://www.youtube.com/watch?v=cpYA5v0nICE</p>
2	<p>R10 Subsection of the Month – Sabah Subsection Prepared by: Kashif Nisar, Executive Committee for Sabah Sub-section (kashifnisar@ieee.org) Edited by: Ismail Saad, Chair for Sabah Sub-section (ismail_s@ums.edu.my) https://sabah.ieeemy.org IEEE Region 10 Newsletter https://www.ieeer10.org/wp-content/uploads/2019/10/October-Newsletter.pdf</p>

3	<p>IEEE Membership talk at Polytechnic KK, Sabah Malaysia. Q2 Edition Apr - June 2019 IEEE Malaysia Section Newsletter is published by the IEEE Malaysia Section quarterly. Its contents cover reporting of activities that have been conducted by the Malaysia Section, IEEE Malaysia Chapter, Affinity Group and Student Branches. Frequency per year: 4 Published by: IEEE Malaysia Section eISSN: 2590-3608 https://ieeemy.org/mysection/ieee-malaysia-section-newsletter/</p>
4	<p>Future Internet, Internet of Things and Data Aggregation in Named Data Networking Q2 Edition Apr - June 2018 IEEE Malaysia Section Newsletter is published by the IEEE Malaysia Section quarterly. Its contents cover reporting of activities that have been conducted by the Malaysia Section, IEEE Malaysia Chapter, Affinity Group and Student Branches. Frequency per year: 4 Published by: IEEE Malaysia Section eISSN: 2590-3608 https://ieeemy.org/mysection/wp-content/uploads/2018/08/IEEEMY-newsletter-template-Q2-2018-1.pdf</p>
5	<p>Germany: News - July 2014 Promote innovation through international exchanges, Visiting scientist and exchange students from Asia, learning and research at the FernUniversität Hagen , Germany, Weblink as below: http://www.fernuni-hagen.de/universitaet/aktuelles/2014/07/14-am-Internationale_Forschung.shtml</p>

27. SCIENTIFIC RESEARCH

A. RESEARCH PATENT

- [1] Angela Amphawan, **Kashif Nisar**, “Holographic Transreceiver for Multimode Waveguide,” *Intellectual Property Corporation of Malaysia, (MyIPO)*, **Application No. PI 2012005706, 25 January 2013.** <https://iponline.myipo.gov.my/iponline/> (Malaysian Patent)

B. SELECTED BOOKS PUBLICATIONS

- [2] Angela Amphawan, Yousef Ali Fazea Al-Nadesh and **Kashif Nisar**, “Optical Vortices In Wavelength Division Multiplexed Passive Optical Networks,” *International Institute for Science, Technology and Education (IISTE)*, P.O. Box 5934, New York, NY 10016, **United States of America (USA)**, ISBN: 978-1-62265-081-1, Pages 86, 13. August, 2012
- [3] **Kashif Nisar**, Abas B M Said and Angela Amphawan, “VoIP Application as Future Generation

Networks: An Efficient Scheduler for VoIP over WLANs,” *LAP LAMBERT Academic Publishing GmbH & Co. KG Heinrich-Böcking-Str. 6-8 66121, Saarbrücken, Germany, ISBN: 978-3-8454-2469-9, Pages 197, 06. April, 2012*

- [4] Angela Amphawan, and **Kashif Nisar**, “Dynamic Cell Sizing in Mobile Cellular Networks: A framework for prioritization of cell attenuation,” *LAP LAMBERT Academic Publishing GmbH & Co. KG Heinrich-Böcking-Str. 6-8 66121, Saarbrücken, Germany, ISBN: 978-3-8484-8046-3, Pages 117, 24. April, 2012*

C. BOOK CHAPTER PUBLICATIONS

- [5] Ibrahim A. Lawal, Abas Md Said, **Kashif Nisar**, Peer Azmat Shah, and Abubakar Aminu Mu'azu, "A Distributed Model to Analysed QoS Parameters Performance Improvement for Fixed WiMAX Networks", *Advances in Computer Science and its Applications, Springer Link, Lecture Notes in Electrical Engineering Book series (LNEE, Volume 279, pp 695-701, 2013 (ISI & SCOPUS indexed).*
- [6] Nurul I. Sarkar, Anita Xiao-min Kuang, **Kashif Nisar**, and Angela Amphawan, “Hospital Environment Scenarios using WLAN over OPNET Simulation Tool”, *Healthcare Administration: Concepts, Methodologies, Tools, and Applications, Information Resources Management Association Chapter 40, pp. 789-804, DOI: 10.4018/978-1-4666-6339-8.ch040*

D. SELECTED JOURNAL PUBLICATIONS

- [7] Rosilah Hassan, **Kashif Nisar**, Mohd. Hanafi bin Ahmad Hijazi, Emilia Rosa Jimson, and Ian Welch, Azana Hafizah Mohd Aman “A Survey on Architecture, Application and Security of Software Defined Networking”, *IEEE Communications Surveys & Tutorials, Impact Factor 22.973, Vol. 00, No.00, pp 00-00, 2019, (Submitted).*
- [8] Rosilah Hassan, **Kashif Nisar**, and Ian Welch, Azana Hafizah Mohd Aman “A Framework for Mobile Communication using ICN Approach for Supporting Digital Economy and IoT”, *IEEE Access, Impact Factor 4.098, Vol. 00, No.00, pp 00-00, 2019, (In Process).*
- [9] Lilian Lee Yen Wei , Ag Asri Ag Ibrahim, **Kashif Nisar**, Zamhar Iswandono Awang Ismail, Ian Welch, “Survey on Geographic Visual Display Techniques in Epidemiology: Taxonomy and Characterization”, *Journal of Industrial Information Integration, Elsevier, (2020), Vol. 18, No 2, pp.01-14, Impact Factor 3.30, doi: <https://doi.org/10.1016/j.jii.2020.100139>*
- [10] **Kashif Nisar**, Emilia Rosa Jimson, Mohd. Hanafi bin Ahmad Hijazi, Shuaib K. Memon, “Software Defined Network and Comparison of the Throughput Performance with Traditional Network”, *Journal of Industrial Information Technology and Application, Daegu University, Republic of Korea, Vol. 3, No. 4, pp 298-310, 2019, eISSN: 2586-0852. <http://jiita.org/v3n402/>*
- [11] **Kashif Nisar**, Emilia Rosa Jimson, Mohd Hanafi Ahmad Hijazi, Shuaib K. Memon “A Survey: Architecture, Security Threats and Application of SDN”, *Journal of Industrial Electronics Technology and Application, Daegu University, Republic of Korea, Vol. 2, No. 1, pp 64-69, 2019, eISSN: 2635-635X, <http://jieta.org/v2n101/>*

- [12] Emilia Rosa Jimson, **Kashif Nisar**, and Mohd Hanafi Ahmad Hijazi, “The State of the Art of Software Defined Networking (SDN) Issues in Current Network Architecture and a Solution for Network Management Using the SDN,” *International Journal of Technology Diffusion, (IJTD)*, **IGI Global Publishers, Hershey, PA, USA, Vol. 10, No.3, 33-48, July-September 2019, (Indexing Thomson Reuters, ISI Scopus), ISSN: 1947-9301, DOI: 10.4018/IJTD.2019070103**
- [13] Ag Asri Ag Ibrahim, **Kashif Nisar**, “Future Internet and Named Data Networking Hourglass, Packet and Node Architecture”, *Journal of Industrial Information Technology and Application, Daegu University, Republic of Korea, Vol. 2, No. 3, pp 115-123, September, 2018, eISSN: 2586-0852.*
- [14] Emilia Rosa Jimson, **Kashif Nisar**, Mohd Hanafi Ahmad Hijazi, “Future Internet: A Survey on Software Defined Networking”, *Journal of Industrial Information Technology and Application, , Daegu University, Republic of Korea, Vol. 2, No. 1, pp 17-29, 29 March, 2018, eISSN: 2586-0852, DOI: 10.22664/ISITA.2018.2.1.17*
- [15] Emilia Rosa Jimson, Kashif Nisar, Mohd. Hanafi Ahmad Hijazi: The State of the Art of Software Defined Networking (SDN): Network Management Solution in Current Network Architecture Using the SDN, *International Journal of Information Communication Technologies and Human Development (IJICTHD)*, Vol, 10, No.4, pp 44-60, 2018, DOI: 10.4018/IJICTHD.2018100104
- [16] **Kashif Nisar**, and Azali Saudi “Smart Home: Multisensor Information Fusion Towards Better Healthcare,” *Advanced Science Letters, American Scientific Publishers, USA Vol. 24. No 3, pp 1896-1901, March 2018, ISSN 1936-6612. <https://doi.org/10.1166/asl.2018.11184> (Scopus Index), (Indexing Thomson Reuters, ISI Scopus)*
- [17] **Kashif Nisar**, and Azali Saudi “An Efficient Novel Producer Mobility Scheme in Information Centric Network,” *Advanced Science Letters, American Scientific Publishers, USA Vol. 24. No 3, pp 1902-1905, March 2018, ISSN 1936-6612. <https://doi.org/10.1166/asl.2018.11185> (Scopus Index), (Indexing Thomson Reuters, ISI Scopus)*
- [18] Junaid Shuja, Raja Wasim Ahmad, Abdullah Gani, Abdelmutilib Ibrahim Abdalla Ahmed, Aisha Siddiqa, **Kashif Nisar**, Samee U. Khan, and Albert Y. Zomaya, “Greening emerging IT technologies: techniques and practices,” *Journal of Internet Services and Applications (JISA)*, Springer, London, United Kingdom, Vol. 8.9. pp 01-11, 18 July 2017, DOI: 10.1186/s13174-017-0060-5 (Scopus Index), (Indexing Thomson Reuters, ISI Scopus)
- [19] Mohd Hanafi Ahmad Hijazi, Tan Choon Beng, James Mountstephens, Yuto Lim, and **Kashif Nisar**, “Malware Classification Using Ensemble Classifiers,” *Advanced Science Letters, American Scientific Publishers, USA Vol. 24. No. 2, pp 1172-1176, February 2018 DOI: <https://doi.org/10.1166/asl.2018.10710>. (Scopus Index), (Indexing Thomson Reuters, ISI Scopus)*
- [20] Zhiwei Yan, Yasuaki Maeda, Yong-Jin Park, Wataru Kameyama, **Kashif Nisar**, Ag Asri Ag Ibrahim, Mohd Hanafi Ahmad Hijazi, and Heedon Kim, “Push-type Content Delivery over 5G Mobile Communication System in NDN,” *The Institute of Electronics, Information and Communication Engineers (IEICE), EICE Short Paper, Tokyo, Japan, Vol., pp.01-02 , January, 2015 (NII Article ID (NAID) 110010038014) (Indexing IEICE Society Tokyo, Japan)*

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- [22] Ngo, Thang Quang, Zhiwei Yan, Jiro Katto, Yong-Jin Park, Hidenori Nakazato, Wataru Kameyama, **Kashif Nisar**, and Ag Asri Ag Ibrahim, "Mobility Support for Content-Oriented Publish/Subscribe System," *The Institute of Electronics, Information and Communication Engineers (IEICE), IEICE Technical Report, Tokyo, Japan, Vol., pp.31-34, September 08-11, 2015 (Indexing IEICE Society Tokyo, Japan)*
- [23] Siran Zhang, Zhiwei Yan, Yong-Jin Park, Hidenori Nakazato, **Kashif Nisar**, and Ag Asri Ag Ibrahim, "An Efficient Producer Mobility Scheme in Named Data Networking," *The Institute of Electronics, Information and Communication Engineers (IEICE), Tokyo, Japan, Vol., pp. -S-31, September 08-11, 2015 (Indexing IEICE SocietyTokyo, Japan)*
- [24] **Kashif Nisar**, Gang Chen, and Abdolhossein Sarrafzadeh, "A Review: Software-Defined Networking Implementation and Testing," *Network Research Workshop, Proceedings of the Asia-Pacific Advanced Network 2015 (APAN), Fukuoka, Japan, Vol. 39, pp. 1-09, March 01 - 06, March 2015 (Indexing ISSN 2227-302)*
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- [30] **Kashif Nisar**, Edith N. Ekwen, "Exploration and Optimization Of Friends' Connections in Social Networks," *Network Research Workshop, Proceedings of the Asia-Pacific Advanced Network 2014 (APAN) Nantou, Taiwan, Vol. 38, pp. 83-92, 11-15 August 2014*

- [31] **Kashif Nisar**, Angela Amphawan, Suhaidi Hassan and Nurul I Sarkar, “A Comprehensive Survey on Scheduler for VoIP over WLANs,” *Journal of Network and Computer Applications, (JNCA), Norman, OK, USA, Vol. 36, No. 2, pp. 933-948, 01, March. 2013, ISSN: 1084-8045 (Indexing in Elsevier, Impact Factor 5.273)* <https://doi.org/10.1016/j.jnca.2012.07.019>
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- [34] Angela Amphawan, Vivekanand Mishra, **Kashif Nisar**, Benjaporn Nedniyom, “Real-time Holographic Backlighting Positioning Sensor for Enhanced Power Coupling Efficiency into Selective Launches in Multimode Fiber”, *Journal of Modern Optics, Taylor & Francis Group 4 Park Square Milton Park Abingdon Oxfordshire OX14 4RN United Kingdom, Vol. 59, No 20, pp. 1745-1752, 28, November. 2012. (Indexed by Scopus, Impact Factor 1.657)* <https://doi.org/10.1080/09500340.2012.739713>
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- [41] **Kashif Nisar**, Nurul I Sarkar, and Hayden Chieng, "Modelling and Performance Studies of ATM Networks over Email, FTP, Voice & Video," *International Journal of Advanced Pervasive and Ubiquitous Computing (IJAPUC)*,, **IGI Global Publishers, Hershey, PA, USA Vol.4, No.2, pp. 16-25, 2012, DOI: 10.4018/japuc.2012040102 (Indexing Thomson Reuters, ISI Scopus)**
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- [44] Abdallah M. M. Altrad, Wan Rozaini Sheik Osman, and **Kashif Nisar**, "Modelling of Remote Area Broadband Technology Over Low Voltage Power Line Channel," *International Journal of Computer Networks & Communications (IJCNC)*, Vol.4, No.5, pp. 187-201, September 2012, DOI: 10.5121/ijcnc.2012.4512 (ISI Scopus)
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E. SELECTED CONFERENCE PUBLICATIONS

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- [90] Angela Amphawan, **Kashif Nisar** and Vivekanand Mishra, "Adaptive Cage System for Alignment of Diffracted Order," *The 3rd International Conference on Network Applications, Protocols and Services (3rd NETAPPS2012) in EDC, pp. 97-99, Sintok, Malaysia, 19-21 September 2012, (Indexing Thomson Reuters, ISI Scopus)*
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- [92] Angela Amphawan, Yousef Fazea, **Kashif Nisar**, Mohd Nizam Omar and Roshidi Din, "DWDM-PON with Modal Multiplexing," *The 3rd International Conference on Network Applications, Protocols and Services (3rd NETAPPS2012) in EDC*, pp. 93-96, **Sintok, Malaysia, 19-21 September 2012, (Indexing Thomson Reuters, ISI Scopus)**
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- [95] Wan Rozaini Sheik Osman, **Kashif Nisar** and Abdallah Mahmoud Mousa Altrad, "Rural Area Model for Broadband Technology over Power lines Network," *The 3rd International Conference on Network Applications, Protocols and Services (3rd NETAPPS2012) in EDC*, **Sintok, Malaysia, 19-21 September 2012, (Indexing Thomson Reuters, ISI Scopus)**
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- [97] **Kashif Nisar**, Saima Nisar, and Abas MD Said, "Enhanced Quality of Electronic Clinical Record through Open-Source Tool," *6th Knowledge Management International Conference, (KMICe2012), Johor Bahru, Malaysia*, pp. 671-677, **4-6 July 2012, (Indexing Thomson Reuters, ISI Scopus)**
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- [100] **Kashif Nisar**, Abas MD Said, and Halabi Hasbullah, "Enhanced Performance of Packet Transmission Using System Model Over VoIP Network" *International Symposium on Information Technology 2010 (ITSim 2010)*, **IEEE 2010, KLCC, Kuala Lumpur, Malaysia**, pp. **1005-1008, 15, June 2010**, DOI: [10.1109/ITSIM.2010.5561593](https://doi.org/10.1109/ITSIM.2010.5561593) (Indexing Thomson Reuters, ISI Scopus)
- [101] **Kashif Nisar**, Abas MD Said, and Halabi Hasbullah, "Enhanced Performance of WLANs

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F. PHD STUDENTS THESES

[106] “A Distributed Model to Improve Quality of Service (QoS) Performance over The Fixed WiMAX Network,” (*Doctoral Thesis, Universiti Teknologi Petronas Bandar Seri Iskandar, Perak, Malaysia*), Authored by: Ibrahim A. Lawal, edited by: Abas Md Said, **Kashif Nisar, 2015**

[107] “Channel Transmission Model and Data Modulation Technique for Power Line Communication Technology,” (*Doctoral Thesis, Universiti Utara Malaysia, Sintok, Kedah, Malaysia*), Authored by: Abdallah Mahmoud Mousa Altrad, Edited by: Wan Rozaini Bt Sheik Osman, **Kashif Nisar, 2018**

28. ORGANIZING PROGRAMME

S.No.	Detail
1	<p>Sze Y. Set, PhD Associate Professor Research Center for Advanced Science and Technology (RCAST) The University of Tokyo, 4-6-1 Komaba, Meguro-ku, Tokyo 153-8904, JAPAN Tel: +81-5452-5353 Fax: +81-3-5452-5151 Email: set@cntp.t-u-tokyo.ac.jp Web: www.cntp.t-u-tokyo.ac.jp</p>

	<p>Lectures: A case study of a tokyo university startup company (90 minutes)</p> <p>Time: September 25th 2017 Venue: FKI-UMS, Malaysia Block B, Faculty of Computing and Informatics, Universiti Malaysia Sabah, Kota Kinabalu, Malaysia</p>
2	<p>Professor Dr. Hiroyuki Iida Dean, School of Information Science, Japan Advanced Institute of Science and Technology, Ishikawa, Japan.</p> <p>Lectures: Computers Challenging Champions: Chess, Shogi and Go (90 minutes) Quantifying Entertainment: Boardgames, Sports and Video games (90 minutes)</p> <p>Joint Collaboration Introduce JAIST Present what we are doing for education and research Consider our further collaboration</p> <p>Time: March 29th - April 2nd, 2016 Venue: FKI-UMS, Malaysia Block A, Faculty of Computing and Informatics, Universiti Malaysia Sabah, Kota Kinabalu, Malaysia</p>
3	<p>Associate Professor Dr. Jason Teo Tze Wi Faculty of Computing and Informatics University Malaysia Sabah Jalan UMS, 88400 Kota Kinabalu Sabah, Malaysia</p> <p>Talk: Performance and Scalability Analysis of Two Crossover-First Differential Evolution Algorithms for Complex Non-Linear Numerical Optimization</p> <p>Time: 09:00 am to 11:00 am Date: 24 February 2016 Venue: CoE Room, FKI-UMS, Malaysia Block A, Faculty of Computing and Informatics, Universiti Malaysia Sabah, Kota Kinabalu, Malaysia</p>

4	<p>Professor. Dr Abdullah GANI Dean, Faculty of Computer Science and Info Technology University of Malaya, 50603 Kuala Lumpur. MALAYSIA</p> <p>Three Days Workshop on How To Write Survey/Review Papers</p> <p>Time: 09:00 am to 05:00 pm Date: 02-04 February 2016 Venue: FKJ Seminar Room Block A, Faculty of Computing and Informatics, Universiti Malaysia Sabah, Kota Kinabalu, Malaysia</p>
5	<p>Professor. Dr Abdullah GANI Dean, Faculty of Computer Science and Info Technology University of Malaya, 50603 Kuala Lumpur. MALAYSIA</p> <p>Day 1 - Lecture on Mobile Cloud Computing Day 2 - Talk on Tier 1 Journal Papers Requirements Day 3 - Workshop on How To Write Survey/Review Papers Day 4 - Strategic Direction of the Faculty Day 5 - Peer Consultation</p> <p>Time: 09:00 am to 05:00 pm Date: 29 November to 03, December 2015 Venue: Block A, Faculty of Computing and Informatics, Universiti Malaysia Sabah, Kota Kinabalu, Malaysia</p>
6	<p>Professor Dr. Yong-Jin Park Park Lab, Waseda University, Tokyo, Japan.</p> <p>Keynote Talk Computing Research on Information Centric Networking</p> <p>Meeting with Dean and Staff Lecture to Final Year student Review Two undergraduate Programme i) HC00 new course structure ii) HC05 new course structure</p> <p>Time: 09:00 am to 05:00 pm Date: 23- 25 September, 2015 Venue: Block A, Faculty of Computing and Informatics, Universiti Malaysia Sabah, Kota Kinabalu, Malaysia</p>

29. SERVICE AS ORGANIZING CHAIR

S.No.	Detail
1	The International Conference on Computer and Network and Applications (ICCNA2017) at Grand Borneo Hotel, 1Borneo, Kota Kinabalu, Sabah, Malaysia on 5-6 September, 2017.
2	The International Conference on Advanced Networking, Computing and Engineering Technologies (ANCET2017) at Grand Borneo Hotel, 1Borneo, Kota Kinabalu, Sabah, Malaysia on 5-6 September, 2017.
3	Associate Professor Dr. Kashif Nisar Computer Science Project Excellence Awards, Innovative Ideas Drive ICT Convergence Date: 7th July 2015 Venue: Networking Lab, Level 4, Block B, Faculty of Computing and Informatics, Universiti Malaysia Sabah, Kota Kinabalu, Malaysia

30. REVIEWER FOR JOURNALS

Publisher	Detail
A). IEEE	IEEE Transactions on Computers
	IEEE Transactions Knowledge and Data Engineering (TKDE)
	IEEE Communications Letters
B). Elsevier	Journal of Networks Communication and Applications
	Computer Communications
	Data & Knowledge Engineering
C).Springer	Journal of Internet Technology (JIT)
	Journal of Personal and Ubiquitous Computing (JPUC)
	Journal of Information Systems Frontiers
D). Wiley	Journal of Communication Systems
	Wireless Communications & Mobile Computing (WCM)
E). Other Journals	International Journal of Computers and Their Applications (IJCA)
	International Journal of Telemedicine and Applications (IJTA)
	Journal of High Speed Networks

31. JOINT CONFERENCE ORGANIZING

S.No.	Detail
1	10th IEEE International Conference on Application of Information and Communication Technologies (AICT2016) 12-14 October 2016, Baku, Azerbaijan
2	The 13th IEEE International Conference Application of Information and Communication Technologies, 23-25 Oct 2019 Baku, Azerbaijan

32. CONFERENCE PROGRAMME COMMITTEE MEMBER

S.No.	Detail
1	International Conference on Computational Science and Technology 2016 (ICCST2016) Date: 28th to 30th November 2016, Venue: Kota Kinabalu, Malaysia Publish in the Advanced Science Letters journal indexed by SCOPUS/ISI
2	International Conference on Computational Science and Engineering 2016 (ICCSE2016) Date: 28th to 30th November 2016, Venue: Kota Kinabalu, Malaysia Publish in the Advanced Science Letters journal indexed by SCOPUS/ISI
3	International Conference on Information System and Technology (ICIST 2016) Date: 28th to 30th November 2016, Venue: Kota Kinabalu, Malaysia Publish in the Advanced Science Letters journal indexed by SCOPUS/ISI

33. REVIEWER CONFERENCE

S.No.	Detail
1	The Fourth International Conference on Computing and Informatics 2013 (ICOCI 2013) which will be held from 28th-30th August 2013. Kuching, Sarawak, Malaysia (ISSN/ ISI and Scopus Index)
2	Mobile and Wireless Networking Symposium (IEEE-ICC'14 MWN), 10-14 June 2014, Sydney, Australia.
3	The 05th International Conference on Information and Communication Technology 2013 (ICICT2013) to be held at IBA Karachi on the 14th-15th of December, 2013.
4	TPC for the DFmA2014, the 2014 Distributed Framework and Multimedia Application on Parallel and Distributed Computing sponsored by IEEE to be held in Penang, Malaysia, from Feb 19, 2014 until Feb 21, 2014.
5	The 10th International Conference on Computing and Information Technology (10 th ICCIT) to be held in Angsana Laguna Phuket, Thailand on 08 th -09 th of May, 2014. (Springer, Scopus-Indexed)
6	The 02 The International Conference on Computer and Information Science 2014 (ICCOINS2014) to be held in Kuala Lumpur, Malaysia on 03rd-05th of June, 2014. (IEEE Xplore for Indexing, Scopus-Indexed)
7	The PhD Seminar to be held in Hagen, Germany on 13 th – 17 th April, 2014.
8	The 7 th workshop AutSys 2014 to be held in the Sabina Playa Hotel, Cala Millor (Majorca, Spain on 26 th - 30 th of October, 2014
9	The 2nd IEEE International Symposium on Telecommunication Technologies (ISTT2014) will be held on 24 – 26 November 2014 in Langkawi Island, Malaysia.
10	The 2015 IEEE International Conference on Communications (ICC), Mobile and Wireless Networking Symposium (MWN) will be held in London, UK from 8-12 June 2015.

34. JOURNAL'S REVIEWER

1). International Journal of Embedded and Real-Time Communication Systems (IJERTCS) (IGI Global Publishers, Hershey, PA, USA ISSN/ ISI and Scopus Index)

International Editorial Review Board

Description

The International Journal of Embedded and Real-Time Communication Systems (IJERTCS) is an international refereed research journal integrating the disciplines of embedded systems, real-time systems, and communications system engineering. IJERTCS encompasses research from computer science, computer engineering, and telecommunication engineering, focusing on how these disciplines interact in the field of embedded and real-time systems for communication. This journal offers its readership both theoretical and practical research facilitating the convergence of embedded systems, real-time computing, and communication system technologies and paradigms.

**2). International Journal of Advanced Pervasive and Ubiquitous Computing (IJAPUC)
(IGI Global Publishers, Hershey, PA, USA ISSN/ ISI and Scopus Index)**

Associate Editors

Description

The International Journal of Advanced Pervasive and Ubiquitous Computing (IJAPUC) is an international refereed research journal integrating the disciplines of pervasive and ubiquitous computing, internet of physical objects, wireless sensor networks, wireless communications, radio frequency identification, automatic identification, real-time localization, information processing, cloud computing, and mass data storage. The journal provides a forum to information technology educators, researchers, and practitioners to advance the practice and understanding of pervasive and ubiquitous computing. The journal features a major emphasis on how to realize pervasive and ubiquitous computing technology and how to build the system in applications. IJAPUC publishes full-length research papers, state-of-the-art reviews, insightful research and practice notes, case studies and book reviews from all areas of pervasive and ubiquitous computing that are selected after a rigorous blind review by experts in the field.

3). International Journal of Technology Diffusion (IJTD), (IGI Global Publishers, Hershey, PA, USA ISSN/ ISI and Scopus Index)

Associate Editors

Description

The mission of the International Journal of Technology Diffusion is to be a leading journal in global innovation and systems management. The journal publishes articles related to the application of information systems, technology, and innovation acceptance. The interdisciplinary journal also encourages manuscripts on management information systems, decision support systems (DSS), managerial and organizational concerns, educational issues, and innovative applications related to global management innovation systems. The journal propagates knowledge to researchers, practitioners, and educators all over the world.

4). International Journal of Green Computing (IJGC), (IGI Global Publishers, Hershey, PA, USA ISSN/ ISI and Scopus Index)

Associate Editors

Description

The mission of the International Journal of Green Computing (IJGC) is to serve as an interdisciplinary source of green knowledge for researchers and practitioners in information technology and business. The goal of the journal is to provide academicians, research scholars, business entrepreneurs, practitioners, managers, and policymakers coverage of strategic green issues. The journal highlights the critical steps needed for green transformation, which help organizations and businesses reach their environmental goals.

5). International Journal of Grid and High Performance Computing (IJGHPC), (IGI Global Publishers, Hershey, PA, USA ISSN/ ISI and Scopus Index)

Associate Editors

Description

The International Journal of Grid and High Performance Computing (IJGHPC) examines current, state-of-the-art research on all aspects of grid and cloud evolution, middleware, standards, API,

economy, education, services, algorithms, collaboration, impact, instrumentation, security, portals, trends, challenges, models, work flow management, wireless systems, and high performance computing. This journal will be instrumental in the improvement and development of theory and practice in grid and cloud computing.

6). Journal of Network and Computer Applications, (JNCA), Norman, OK, USA, (Indexing in Elsevier, Impact Factor 1.467).

Associate Editors

Description

The Journal of Network and Computer Applications welcomes research contributions, surveys and notes in all areas relating to computer networks and applications thereof.

7). International Journal of Grid and High Performance Computing (IJGHPC) (IGI Global Publishers, Hershey, PA, USA ISSN/ ISI and Scopus Index)

Associate Editors

Description

The International Journal of Grid and High Performance Computing (IJGHPC) examines current, state-of-the art research on all aspects of grid and cloud evolution, middleware, standards, API, economy, education, services, algorithms, collaboration, impact, instrumentation, security, portals, trends, challenges, models, work flow management, wireless systems, and high performance computing. This journal will be instrumental in the improvement and development of theory and practice in grid and cloud computing. areas of pervasive and ubiquitous computing that are selected after a rigorous blind review by experts in the field.

35. INTERNAL & EXTERNAL EXAMINER

S.No.	Detail
1	External Examiner Candidate Name: Mr. Hafiz Saleem Research Title: Development of a Fault Detection Model for Cyber Physical Power System Master Thesis Examination Date: 06 March 2019 Office for Research Training, Quality and Integrity Victoria University PO Box 14428, Melbourne VIC 8001, Australia
	External Examiner Doctor of Philosophy Candidate Name: Mr. Rafiullah Khan (Reg: PC-133006) Research Title: On the Effectiveness of Private Information Retrieval Protocols Date: 11 November 2019 Graduate Studies, Capital University of Science and Technology, Islamabad, Pakistan
	Internal Examiner Candidate Name: Mr. Tan Choon Beng (MI1611010T) Research Title: Efficient Slepian- Wolf Based Proof of Retrievability Scheme for Cloud Storage Date: 10 April 2018 Seksyen Peperiksaan & Pengijazahan

	<p>Pusat Pengajian Pascasiswazah Universiti Malaysia Sabah 88400 Jalan UMS, Kota Kinabalu Sabah, Malaysia</p>
	<p>External Examiner Candidate Name: Mr. Kuhanraj Balan (Ref: UNIMAS/NC-30/03-12 Jld 19 (30)) Research Title Secure Trust-Based Algorithm using Blockchain Technology to Prevent Attacks in VANET Date: 03 January 2020 Centre for Graduate Studies, University Malaysia Sarawak, Kota Samarahan, Sarawak, 94300, Malaysia</p>

36. INVITED TALKS/KEYNOTE SPEAKER

S.No	Detail
2019	<p>Keynote Speaker Title: Future of Innovative Technologies for Health: Empowering The Fourth Industrial Revolution and Internet of Things Faculty of Medicine & Health Sciences, University Malaysia Sabah, KK, Sabah, Malaysia. 05 December 2019.</p>
2019	<p>Keynote Speaker Title: Future of Creative Technologies and Industries: Empowering The Fourth Industrial Revolution and Internet of Things The 13th IEEE International Conference Application of Information and Communication Technologies, 23-25 Oct 2019 Baku, Azerbaijan http://www.aict.info/?csc=2019&mod=tutors</p>
2018	<p>Keynote Speaker Title: Future Technology: Efficient Producer Mobility Support in Named Data Networking and Internet of Things The 12th IEEE International Conference Application of Information and Communication Technologies, Kazakhstan, Almaty, 17-19 October 2018 http://www.aict.info/?csc=2018</p>
2018	<p>Future Internet: Hybrid scheme of producer mobility in named data networking for the Internet of Things. IEEE New Zealand Wireless Workshop 2018, AUT (City Campus), New Zealand</p>
2018	<p>Invitation - Seminar: Future of Industry: Empowering The Fourth Industrial Revolution and Internet of Things, Unitec, Auckland, New Zealand.</p>
2018	<p>Efficient Producer Mobility Support in Named Data Networking, IMTIC, MUET, Pakistan</p>
2018	<p>Information-Centric Networking, University of Auckland, New Zealand.</p>
2018	<p>Information-Centric Networking for the Internet of Things, Massey University, New Zealand.</p>
2018	<p>Future Internet and the Internet of Things, The University of Waikato, New Zealand.</p>

2018	Future of Internet of Thing (IoT), ISIITA 2018, Kota Kinabalu, Malaysia
2017	Data Packet Consolidation for IoT application in NDN, Seoul, Korea.
2015	A Model for Mobile Traffic Communication Using Information Centric Network, Future Internet, Information-Centric Networking, Park Lab, Waseda University, Tokyo Japan
2015	How to Write a High Impact Research Paper, Venue: Faculty of Computing and Informatics, University Malaysia Sabah, KK, Malaysia
2014	7th AutSys Workshop 2014, Sabina Playa Hotel, Cala Millor (Majorca, Spain)
2013	How to Publish Quality Papers (Invited) School of Computing, University Utara Malaysia, 10 June 2013
2012	Presented at the Department the School of Computing, University Utara Malaysia, Sintok, Kedah, Malaysia, “Alor Setar to Auckland UUM-AUT Computing Research Collaborations.
2012	Presented at the School of Computing & Mathematical Sciences, AUT Tower, 2-14 Wakefield St, Auckland, New Zealand.

37. RESEARCH COLLABORATION LOCAL AND INTERNATIONAL

S.No.	Detail
1	<p>Professor Dr. M. Jamal Deen PhD Dr-hc Dr-hc DEng-hc FRSC FCAE FNASI FINAE MEASA FIEEE FAPS FECS FAAAS FEIC President-elect/President, Academy of Science, Royal Society of Canada (2014-17) Distinguished University Professor – McMaster University Canada Research Chair in Information Technology; Director, Micro- & Nano-Systems Lab. Electrical and Computer Engineering, McMaster University, 1280 Main St. West, Hamilton, ON L8S 4K1, CANADA Tel: 905 525 9140, ext. 27137; Fax: 905 521 2922; E-mail: jamal@mcmaster.ca; URL: http://www.ece.mcmaster.ca/~jamal/</p>
	<p>Associate Professor Dr. Chun Wang Concordia Univeristy, Concordia Institute for Information Systems Engineering (CIISE) 1455 de Maisonneuve Blvd. West, S-EV 007.629 Montreal, Quebec, Canada, H3G 1M8 Tel.: (514) 848-2424 ext. 5628 Fax.: (514) 848-3171 Email: chun.wang@concordia.ca Web:http://users.encs.concordia.ca/~cwang/</p>
1	<p>Professor Dr. Yong-Jin Park Chair Park Lab Graduate School of Global Information and Telecommunication Studies, Department of Computer Science and Engineering WASEDA University, 55N-0602, 3-4-1, Okubo, Shinjuku-ku, Tokyo, 169-8555, Japan Tel: +81-3-5286-2985, Fax: +81-3-5286-3488 E-Mail: yjp@ieee.org</p>
2	<p>Professor Dr. Herwig Unger Head of the Dept. of Communication Networks, FernUniversität Hagen, Hausanschrift: Universitätsstr. 27/PRG, 58084 Hagen, Germany Tel: + 49 2331 987-1155, Fax: + 49 2331 987-353 E-Mail: Herwig.Unger@FernUni-Hagen.de</p>
3	<p>Dr. Ulrich Speidel Senior Lecturer Department of Computer Science Room 723.316 Building 723 (Tamaki Campus), The University of Auckland, Auckland, New Zealand Tel: +64-9)-373-7599 ext. 85282, Fax: +64-3082377 E-Mail: ulrich@cs.auckland.ac.nz</p>
4	<p>Professor Dr. Abdolhossein Sarrafzadeh Head of Department Department of Computing and Information Technology, Unitec Institute of Technology,</p>

	<p>Auckland, New Zealand E-Mail: hsarrafzadeh@unitec.ac.nz</p>
5	<p>Dr Aaron Chen Senior Lecturer School of Engineering and Computer Science Victoria University of Wellington PO Box 600, Wellington 6140, New Zealand Tel: +64 4 463 5114, Fax: +64 4 463 5045 E-Mail: aaron.chen@ecs.vuw.ac.nz</p>
6	<p>Professor. Dr Abdullah GANI (Sheffield), Senior Member IEEE Dean, Faculty of Computer Science and Info Technology University of Malaya, 50603 Kuala Lumpur. MALAYSIA EPhone: +6 03 7967 6300 (office) Mobile: +6 012 9156105 E-Mail: abdullah@um.edu.my, abdullahgani@ieee.org</p>
7	<p>Associate Professor Dr. Wan Rozaini Bt Sheik Osman School of Computing, College of Arts & sciences, University Utara Malaysia, 06010 Sintok Kedah Darual Aman, Malaysia Tel: +604-9284792, Fax: +604-9284753, Cell: +6019-4415268 E-Mail: rozai17@uum.edu.my</p>
8	<p>Associate Professor Dr. Abas B Md Said Department of Computer Information Science Universiti Teknologi PETRONAS, Bandar Seri Iskandar, 31750 Tronoh, Perak, Malaysia. Tel: + 605 - 368 7473, Fax: + 605 - 365 4075 E-Mail: abass@petronas.com.my</p>
9	<p>Professor Dr Saadiah Yahya Professor of Computer Sciences Computer Technology & Networking Faculty of Computer & Mathematical Sciences 40450 Shah Alam, Selangor D. E. Malaysia Tel: +603-55211150, HP: +6016-2150496 E-Mail: saadiah@tmsk.uitm.edu.my</p>
10	<p>Professor Dr. Peter Kropf Distributed Computing Group Université de Neuchâtel Faculté des sciences Institut d'informatique Rue Emile-Argand 11 CH-2000 Neuchâtel</p>

	<p>Switzerland Tel: +41 32 718 2707, Fax: +41 32 718 2701 E-Mail: peter.kropf@unine.ch</p>
11	<p>Assoc. Prof. Dr. Abzedin Adamov Computer Engineering Department Center for Data Analytics and Web Insights General Chair, AICT International Conference Qafqaz University, Baku, Azerbaijan Tel: +994 (12) 4472768 - Fax: +994 (12) 4482861 E-Mail: aadamov@qu.edu.az</p>
12	<p>Assoc. Prof. Dr. Ag Asri Ag Ibrahim, Dean Faculty of Computing and Informatics Universiti Malaysia Sabah Tel: +6087-466762, Fax: +608 8320348 Email: awgasri@ums.edu.my</p>
13	<p>Professor Dr. Hiroyuki Iida Dean, School of Information Science, Japan Advanced Institute of Science and Technology (JAIST) 1-1 Asahidai, Nomi, Ishikawa 923-1292 Japan Tel: +81-761-51-1111, Fax: +81-761-51-1149 E-Mail: iida@jaist.ac.jp</p>
14	<p>Dr. Adnan Noor Mian Chairman, Department of Computer Science, Information Technology University (ITU), 6th floor, Arfa Software Technology Park, Ferozpur Road, Lahore, Pakistan. Website: www.itu.edu.pk</p>
15	<p>Sze Y. Set, PhD Associate Professor Research Center for Advanced Science and Technology (RCAST) The University of Tokyo, 4-6-1 Komaba, Meguro-ku, Tokyo 153-8904, JAPAN Tel: +81-5452-5353 Fax: +81-3-5452-5151 Email: set@cntp.t-u-tokyo.ac.jp Web: www.cntp.t.u-tokyo.ac.jp</p>

38. TRAVEL AND LEISURE

Continent	Country	City
North America	Canada	Toronto, Hamilton
Asia	Japan	Tokyo, Kawasaki, Yokohama, Osaka, Nagoya, Fukuoka
	Thailand	Bangkok, Phuket, Pattaya, Hat Yai, Chiang Mai
	Malaysia	Kuala Lumpur, Penang, George Town, Johor Bahru, Labuan, Sabah
	Singapore	Singapore City, Chinatown, Woodlands, Sentosa Island
	Pakistan	Karachi, Lahore, Islamabad, Multan, Hyderabad, Faisalabad
	Kingdom of Saudi Arabia	Mecca, Medina, Jeddah, Riyadh, Tabuk
	Sri Lanka	Colombo
	Vietnam	Hanoi
	Philippines	Manila
Europe	Germany	Berlin, Hamburg, Frankfurt, Hagen, Dusseldorf, Essen, Koln, Aachen, Stuttgart, , Munich
	France	Paris, Lyon, and Montpellier
	Belgium	Brussels, Bruges
	Netherlands	Amsterdam, Rotterdam
	Luxembourg	Luxembourg City
	Austria	Vienna, Linz, Salzburg

	Switzerland	Zurich, Geneva
	Denmark	Copenhagen
	Sweden	Stockholm, Gothenburg, Malmö
	Norway	Oslo
	Spain	Barcelona, Mallorca Island
	Poland	Krakow, Warsaw
	Hungary	Budapest
	Slovakia	Bratislava
	Slovenia	Ljubljana
	Croatia	Zagreb
Australia & Oceania	Australia	Sydney, Melbourne, Canberra, Perth, Adelaide
	New Zealand	Auckland, Hamilton, Wellington,

39. COMMUNITY AND SOCIAL ACTIVITIES

S.No.	Detail
1	<p>Participated Borneo SunBear Run</p> <p>Men's Open Registration No: 1697 28 February, 2016, Kota Kinabalu, Sabah, Malaysia</p>
	<p>6th 1malaysia Festive Celebration For Cancer Survivor</p> <p>Prepared Presentation For Likas Hospital, Kota Kinabalu Sabah Malaysia</p>

	12 December 2015
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40. HOBBIES & INTERT

S.No.	Detail
1	Electronics
2	Walking, Cricket, Soccer and volleyball,
3	Participate in the multicultural activities

41. PERSONAL INFORMATION

S.No	Personal Information	Detail
1	Date of Birth	12 February, 1979
2	Gender	Male
3	Marital Status	Married
4	Passport No:	AD9827113
5	Reside in	Malaysia

42. REFERENCES

S.No.	Detail
1	<p>Professor Dr. M. Jamal Deen PhD Dr-hc Dr-hc DEng-hc FRSC FCAE FNASI FINAE MEASA FIEEE FAPS FECS FAAAS FEIC President-elect/President, Academy of Science, Royal Society of Canada (2014-17) Distinguished University Professor – McMaster University Canada Research Chair in Information Technology; Director, Micro- & Nano-Systems Lab.</p>

	<p>Electrical and Computer Engineering, McMaster University, 1280 Main St. West, Hamilton, ON L8S 4K1, CANADA Tel: 905 525 9140, ext. 27137; Fax: 905 521 2922; E-mail: jamal@mcmaster.ca; URL: http://www.ece.mcmaster.ca/~jamal/</p>
2	<p>Professor Dr. Krzysztof (Krys) Pawlikowski Professor Emeritus of the University of Canterbury Networking, Performance Modelling and Simulation Dept. of Computer Science and Software Eng. University of Canterbury Christchurch, New Zealand Tel: +64 22 044 6075, Fax: +64 3 364 2569 E-Mail: krys.pawlikowski@canterbury.ac.nz http://www.cosc.canterbury.ac.nz/krys.pawlikowski/</p>
3	<p>Professor Dr. Hiroyuki Iida Dean, School of Information Science, Japan Advanced Institute of Science and Technology (JAIST) 1-1 Asahidai, Nomi, Ishikawa 923-1292 Japan Tel: +81-761-51-1111, Fax: +81-761-51-1149 E-Mail: iida@jaist.ac.jp</p>
4	<p>Assoc. Prof. Dr. AG ASRI AG IBRAHIM, Dean Faculty of Computing and Informatics Universiti Malaysia Sabah Tel: +6087-466762, Fax: +608 8320348 Email: awgasri@ums.edu.my</p>
5	<p>Dr. Ulrich Speidel Senior Lecturer Department of Computer Science Room 723.316 Building 723 (Tamaki Campus), The University of Auckland, Auckland, New Zealand Tel: +64-373-7599 ext. 85282, Fax: +64-3082377 E-Mail: ulrich@cs.auckland.ac.nz</p>

THE END