

## ABRIDGED CURRICULUM VITAE



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### ACADEMIC QUALIFICATIONS

Year	Award	Institution	Area/Field of Study
2020	Ph.D.	Universiti Utara Malaysia	Computer Science (Networks, Future Internet)
2013	MSc	Universiti Utara Malaysia	Information Technology
2009	BEng	Sana'a University, Yemen	Computer Engineering

### WORK EXPERIENCES

No.	Name of Organization	Year of Service	Brief Job Description/Responsibilities
1.	Public Telecommunication Company, Yemen	2009-2011	Maintenance/Operation Director
2.	Public Telecommunication Company, Yemen	2007-2009	Network Engineer
3.	Public Telecommunication Company, Yemen	2020-	Performance Management and Decision Support
4.	University of Emirates, Yemen	2021-	Part- Time Assistant Professor
5.	International University Technology TwinTech	2021-	Part- Time Assistant Professor

### DOCTORAL RESEARCH PROJECT

No.	Project Title	Type of Research Funding	Year	Project Status
	A Hybrid Rate Control Mechanism for Forwarding and Congestion Control in Named Data Network	UUM Postgraduate Grant	2015 - 2020	Completed

### RESEARCH THESIS/DISSERTATION/PROJECT PAPER

No.	Name of Supervisors	Title of Thesis/Dissertation	Level of Study	Year
1.	Prof. Ts. Dr. Suhaidi Hassan Dr. Ahmed Suki Mohammad Arif	A Hybrid Rate Control Mechanism for Forwarding and Congestion Control in Named Data Network	Ph.D.	2020
2.	Prof. Ts. Dr. Suhaidi Hassan	Performance Analysis of Discovery and Delivery Methods in Content-centric Networks	M.Sc	2013
3.	Dr. Mohammed Sharaf	Home Lighting Control using SMS Highlights. submitted to Sanaa University.	B.Eng.	2009

### PUBLICATIONS

No.	Publication Activities
1.	Suhaidi Hassan, Sarah Hamdi, <b>Mohammed Alsamman</b> . Energy-Aware Multipath Forwarding Mechanism for Named Data Network in Wireless Environment, 6th International Conference on Internet Applications, Protocol and Services, 2020
2.	<b>Mohammed Alsamman</b> , Suhaidi Hassan, Suki Arif. Deficit Weighted Round Robin Shaping Mechanism for Transport Control in Named Data Networking, Journal of Advance Research in Dynamical and Control System, Vol. 11, Special Issue (8) (2019)
3.	<b>Mohammed Alsamman</b> , Suhaidi Hassan, Suki Arif. Agile-based Explicit Congestion Control Mechanism for Named Data Networks, Journal of Advance Research in Dynamical and Control System, Vol. 11, Issue (1) (2019)
4.	<b>Mohammed Alsamman</b> , Suhaidi Hassan, Suki Arif. Agglomeration of Congestion and Forwarding Approaches in Named Data Network: An Extended Concept. Proceedings of 4th International Conference on Internet Applications, Protocol and Services (NETAPPS2015), Cyberjaya, Malaysia. 2015

5.	Raaid Alubady, <b>Mohammed Alsamman</b> , Suhaidi Hassan, Suki Arif, Adib Habbal . Internet Protocol MANET vs Named Data MANET: A Critical Evaluation Proceedings of 4th International Conference on Internet Applications, Protocol and Services (NETAPPS2015), Cyberjaya, Malaysia. 2015.
6.	Raaid Alubady, <b>Mohammed Alsamman</b> , Suhaidi Hassan, Suki Arif, Adib Habbal. Performance Analysis of Reactive and Proactive Routing Protocols in MANETS. ARPN Journal of Engineering and Applied Sciences, Vol. 10, Issue (3) (2015)

#### CONFERENCES ATTENDED

No.	Name of Conference	Year	Type of Participation
1.	Sixth International Conference on Internet Applications, Protocols and Services (NETAPPS2020)	2020	Paper Presenter
2.	The 2 <sup>nd</sup> International Conference of Sustainability and Resilience held in Bahrain on 25th – 26th November, 2020	2020	Present
3.	The 5 <sup>th</sup> International conference on computing, communication and automation	2020	Present
4.	International Conference on Future Internet Systems and Applications (ICFISA) 2018, Mélange Publications, EDC Hotel, Kuala Lumpur, Malaysia. 10 Dec 2018.	2018	Paper Presenter
5.	4 <sup>th</sup> International Conference on Internet Applications, Protocols, and Services. Cyberjaya, Malaysia. 1-3rd, December 2015.	2015	Paper Presenter
6.	2014 Advancement in Information Technology International Conference (ADV CIT). Bandung Indonesia, 16 <sup>th</sup> -18 <sup>th</sup> , December 2014	2014	Paper Presenter
7.	International Entrepreneurial Network Conference, Universiti Utara Malaysia. Organized by Ministry of Education Malaysia and UUM, 5 -7 Dec. 2013	2013	Present
8.	3rd International Conference on Network Applications, Protocols, and Services. Sintok, Kedah Malaysia. 19-20, September 2012	2012	Present

#### AWARDS/RECOGNITION ACHIEVED

No.	Award/Recognition	Year	Awarding Body
1.	Best paper award	2020	Sixth International Conference on Internet Applications, Protocols and Services
2.	Ph.D. Grant	2015	Universiti Utara Malaysia
3.	Ph.D. Scholarship	2014	Yemen Higher Educations
4.	Master's in Information Technology Scholarship	2011	Yemen Higher Educations
5.	Best Research Project in the First Engineering Festival	2009	Engineering college Sana, a university
6.	Travel and Study Grant	2008	Indian Embassy in Yemen

#### PROFESSIONAL AFFILIATIONS

No.	Name of Professional Bodies/Associations	Year of Membership	Status of Membership	Type of Membership
1.	journal of Engineering and Applied Sciences	Since 2020	Active	Editorial Board Member
2.	Institute of Electrical and Electronics Engineers	Since 2013	Active	Graduate Student Member
3.	IEEE Communications Society	Since 2014	Active	Graduate Student Member
4.	IEEE Internet of Things Community	Since 2013	Active	Graduate Student Member
5.	Internet Society (ISOC) Global	Since 2013	Active	Member
6.	Internet Society (ISOC) Malaysia	Since 2013	Active	Member

#### COMMUNITY SERVICES

No.	Community Name	Responsibilities	Duration of Service
1.	Internet Society Malaysia Committee	Auditor	2020 - current
2.	IEEE UUM Student Branch Committee	Chair	2015- 2020
3.	IEEE UUM Student Branch Committee	Vice Chair	2013- 2015
4.	Student Leadership Committee, Maybank Residences	Chair of Welfare Activities	2012- 2014
5.	Yemen Students Associations UUM	Chair	2013- 2014

6.	Student Union Engineering College Sana'a university	Financial Officer	2007- 2009
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#### INVOLVEMENT IN COMMUNITY TRAINING SESSIONS

No.	Organizer	Courses	Year
1.	IEEE-UUM	Network Principle	2018
2.	IEEE-UUM	Programing Principle	2017
3.	IEEE-UUM	Java Programing	2015
4.	Yemen Students Associations UUM	Advanced System Analysis and Design	2014
5.	Student Union Engineering College	C++ Programing	2009
6.	Student Union Engineering College	Electrical and Electronic Principle	2009

#### INVOLVEMENT IN COMMUNITY EVENTS

No.	Programs	Year
1.	Family Day for Postgraduate in School of Computing Under IEEE Student Branch	2017
2.	Workshop on Future Internet for Student and Research in Malaysia IEEE	2016
3.	Donation Program for Rohingya Under IEEE Student Branch	2016
4.	One-Week CCNA Workshop for Undergraduate Students IEEE Student Branch	2015
5.	Live with Langkawi Orphans Program Under Maybank Residence SLDC	2014
6.	Cooking Competition with Charity IEEE Student Branch	2014
7.	Three-Day Workshop on IPv6 for Postgraduate and Undergraduate Under IEEE	2014
8.	Clothes Donation Program Under Maybank Residence SLDC	2014

#### REVIEW OF ACADEMIC ARTICLES

No.	Articles Reviewed
1.	Performance Analysis of Radio Access Technology Selection Mechanisms in Smart Airport Environment for 5G Network, Sixth International Conference on Internet Applications, Protocols and Services (NETAPPS2020)
2.	A Novel Fault-Tolerance Mechanism in Software Defined Network (SDN) for Dynamic Traffic Engineering, Sixth International Conference on Internet Applications, Protocols and Services (NETAPPS2020)
3.	Blockchain Trust Mechanism in Named Data Networking: A Systematic Literature Review, Sixth International Conference on Internet Applications, Protocols and Services (NETAPPS2020)
4.	compact wide-bandwidth micro strip antenna for millimetre wave, 5th international conference of reliable information and communication technology,
5.	Anew DNA base encryption algorithm for Internet of Thing, 5th international conference of reliable information and communication technology
6.	watermarking technique for image mobile application: review, 5th international conference of reliable information and communication technology
7.	Modeling and Developing a Geomatics Solution for the Management of Sanitation Networks in the Urban Grouping of ElFida, Greater Casablanca, as a Case Study. 1st International conference of Advanced Computing and informatics 2020.
8.	Networked expertise based on Multi-Agent Systems and Ontology Design. 1st International conference of Advanced Computing and informatics 2020.

#### TRAINING SESSIONS ATTENDED

No.	List of Activities
1.	Cybersecurity Essentials, authorized by Cisco Networking Academy, 2021
2.	Introduction to Cybersecurity Tools & Cyber Attacks, an online non-credit course authorized by IBM and offered through Coursera, 31 oct 2020
3.	Introduction to Cybersecurity, authorized by Cisco Networking Academy, 9 oct 2020
4.	Introduction to Git and GitHub an online non-credit course authorized by Google and offered through Coursera, 12 oct 2020

5.	Convolutional Neural Networks, an online non-credit course authorized by deeplearning.ai and offered through Coursera, 14 August 2020
6.	Improving Deep Neural Networks: Hyperparameter tuning, Regularization, and Optimization, an online non-credit course authorized by deeplearning.ai and offered through Coursera, 28 July 2020
7.	Structuring Machine Learning Projects, an online non-credit course authorized by deeplearning.ai and offered through Coursera, 31 July 2020
8.	Neural Networks and Deep Learning, an online non-credit course authorized by deeplearning.ai and offered through Coursera, 1 May 2020
9.	Using Databases with Python, an online non-credit course authorized by University of Michigan and offered through Coursera, 23 April 2020
10.	Capstone: Retrieving, Processing, and Visualizing Data with Python, an online non-credit course authorized by University of Michigan and offered through Coursera, 21 April 2020
11.	Using Python to Access Web Data, an online non-credit course authorized by University of Michigan and offered through Coursera, 14 April 2020
12.	Network Security & Database Vulnerabilities, online non-credit course authorized by IBM and offered through Coursera, 11 April 2020
13.	Python Data Structures, an online non-credit course authorized by University of Michigan and offered through Coursera, 3 April 2020
14.	Programming for Everybody (Getting Started with Python), an online non-credit course authorized by University of Michigan and offered through Coursera, 28 March 2020
15.	Certified InterNetWorks Professional- IPv6 (CIPV6): IPv6 Foundations organized by the UUM InterNetWorks Research Laboratory, UUM, Ministry of Education, and Malaysian Communication and Multimedia Commission. 13, 20 and 27, March 2014
16.	Certified Android Programming, Workshop UUM Computing Professional Enrichment and Development Division (CoPED), College of Arts, and Sciences. Universiti Utara Malaysia. 12 - 14, Sept. 2012
17.	The Intensive English Language Course for International Students 2010/2011 Session, UUM
18.	C++ Programming and Computer Maintenance, with Excellent Grade. Faculty of Engineering at Sana'a University, Yemen. 14, July 2009 - 14, August 2009.
19.	Computer Networks, with Very Good Grade. Faculty of Engineering at Sana'a University, Yemen. 16, August 2009 - 19, September 2009.
20.	Certified Data Communication & IP Technology from Centre for Excellence in Telecom Technology & Management Mumbai. India 06-10-2008 to 28 -11- 2008
21.	Secretary Diploma with Very Good Grade. From Engineers Computer Centre, 12, February 2004 - 15, August 2004
22.	Microsoft Excel with Excellent. From General Telecommunication Institute 17, July 2004 - 5, August 2004.
23.	PCM – PDH – SDH, From General Telecommunication Institute 26, July 2004 - 6, August 2004.
24.	Computer Maintenance with Very Good Grade, From General Telecommunication Institute 26, July 2004 - 6, August 2004.

## CERTIFICATES RECEIVED

No.	List of Activities
1.	Certificate of Appreciation: Chair IEEE UUM Student Branch 2016, Presented by IEEE Malaysian Section, 2017.
2.	Certificate of Appreciation: Chair IEEE UUM Student Branch 2015, Presented by IEEE Malaysian Section, 2016.
3.	Certificate of Achievement: YEMEN GLOBAL NIGHT. Presented by Yemen Students Association UUM. 2015.
4.	Certificate of Acknowledgement: Exco of Spirituality and Personality Development. Student Leadership and Development Committee, Maybank Student Residential Hall, UUM 2015.
5.	Certificate of Award: As Chair, Yemen Students Association UUM. Presented by Yemen Students Association UUM. 2015.
6.	Certificate of Appreciation: For student Graduation volunteer, Presented by Engineering college Sana, a university 2009.
7.	Certificate of Appreciation: For participating in the first engineering festival, Presented by Engineering college Sana, a university 2009.
8.	Certificate of Appreciation: For activate volunteer, Presented by Student General Union Engineering college Sana, 2007-2008.

## REFEREES

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