

Dr. Sadik Ali Murshid Al-Taweel

Associate Professor of Computer Science



Department of information systems,
Faculty of Computing and Information Technology
University of Science and Technology, Yemen
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PERSONAL INFORMATION

Name	Sadik ali Mursid Al-Taweel	Passport No.	10441715
Nationality	Yemeni	Place of Issue	Yemen, Taiz
Gender	Male	Date of Issue	20-10-2021
Date of Birth	20 December 1970	Date of Expiry	20-10-2027
Marital Status	Married with 5 children	Place of Birth	Yemen, Ibb
Languages	Arabic, English	Profession	Professor

EDUCATION & ACADEMIC QUALIFICATIONS

Associate Professor in Computer Science (2020)

Major/ Degree Title	Associate Professor in Computer Science
Minor/ Specialization Topic	Systems & Network Security (Information Hiding)
Institution	University of Science and Technology
Country	Yemen
Graduation Year	2020

Ph.D. in Computer Science (2011)

Major/ Degree Title	Ph.D. in Computer Science
Minor/ Specialization Topic	Information Systems Security (Digital Watermarking)
Title of PhD Thesis	Robust and Imperceptible Digital Video Watermarking Techniques
Institution	Universiti Sains Malaysia (USM), School of Computer Sciences
Country	Malaysia
Graduation Year	2011 - Graduation on February 2011, & Convocation Ceremony on 11 Mar 2011

M.Sc. in Computer Science (2003)

Major/ Degree Title	M.Sc. in Computer Science
Minor/ Specialization Topic	Information Systems Security (Information Hiding Steganography)
Title of MSc Thesis	Application of Image Generation In Document Security
Institution	University of Technology, Al-Rasheed College of Engineering and Science
Country	Baghdad -Iraq
Graduation Year	2003

B.Sc. in Computer Science (1991)

Major/ Degree Title	B.Sc. in Computer Science
Institution	Al-Mustansiriyah University, President of College Education , Department of Computer Science
Country	Baghdad- Iraq
Graduation Year	1991

EMPLOYMENT

Current Employment

Institution & Country	University of Science and Technology (UST), Yemen
Current Job Title	Associate Professor
Working years after PhD	10 years

Experience & Employment History

Full-Time Work

From-To	Job Title	Job Details & Employer
Jan 2020- Present	Associate Professor, Head of IS Department	Faculty of Computing and Information Technology University of Science and Technology (UST), Sana'a, Yemen
Sep 2012-Dec 2020	Assistant Professor, Head of IS Department	
Dec 2012-July 2018	Assistant Professor, OUM Programs Lecturer	Lecturer: MIT, Open University Malaysia (OUM).
Oct 2006- May 2007	Teaching Assistant	School of Computer Sciences Universiti Sains Malaysia (USM), Penang, Malaysia
Oct 2002- Mar 2005	Lecturer	Department of Computer Science College of Science & Engineering, University of Science and Technology (UST), Sana'a, Yemen
2002- 2005 & (2011-2012)	Lecturer	Department of Computer Science Nationality University Sana'a, Yemen

Part-Time Work

From-To	Job Title	Job Details & Employer
Dec 2021- Present	Associate Prof, Lecturer of Master Courses	University of Science and Technology (UST), Yemen Lecturer, Master of Computing (MCS) Program
Dec 2013-Oct 2021	Assistant Prof, Lecturer of Master Courses	
Jan 2011-Present	Assistant Prof, Lecturer of Master Courses	Open University Malaysia (OUM), UST, Yemen
1999 2000	lecturer	GEC institute , Yemen
1999	lecturer	ICSM institute , Yemen
1993-1998	lecturer	KCC institute , Yemen
1994-1996	lecturer	Computer Club , Yemen
1994	lecturer	TMC institute , Yemen
1991-1993	Training manager	ACC institute, Yemen
1991-1992	General programming section	Ministry of Education, Yemen

TEACHING EXPERIENCE

Number of teaching years at university **20 years** Number of teaching years after PhD **10 years**

Undergraduate Courses Taught (from 1991- till now)

In multicultural education environments & different programs of Malaysian and Yemeni universities:
University of Science & Technology (UST), Universiti Sains Malaysia (USM), Universiti Utara Malaysia (UUM)

Course Title	Course Level	Program
Advanced IT Management	Undergraduate	BSc
Artificial Intelligence	Undergraduate	BSc
Cryptography and Systems Security	Undergraduate	BSc
Data Structures and Algorithms (with Java / in C++)	Undergraduate	BSc
Database Systems	Undergraduate	BSc
Data base applications	Undergraduate	BSc
Computer Graphics	Undergraduate	BSc
Network Security	Undergraduate	BSc
Data mining	Undergraduate	BSc
Decision Support Systems	Undergraduate	BSc
Software Engineering	Undergraduate	BSc
Systems Analysis and Design	Undergraduate	BSc

Postgraduate Courses Taught (from 2012 - till now)

In multicultural education environments & different programs of Malaysian and Yemeni universities:
University of Science & Technology (UST), Open University Malaysia (OUM),

Course Title	Course Level	Program
Advance Software Engineering	Postgraduate	MSc
ICT Resource Management, Information Systems Management	Postgraduate	MSc
Computer Architecture & Operating System	Postgraduate	MSc
Methodology of Information System Development	Postgraduate	MSc
Project Management	Postgraduate	MSc
Database Systems Management	Postgraduate	MSc

CURRICULUM AND PROGRAMS DEVELOPMENT

Participated in the committees for: developing new programs, accreditation, and program specification document (PSD) of both levels:

Undergraduate Programs

BSc in Computer Science, BSc in Information Systems, and BSc in Information Technology.

Postgraduate Programs

Ph.D. of Computing & Master of Computing,

Courses Specification & Evaluation

Participated in the committees for developing new curriculums and the course specifications/descriptions of the courses:

For the Undergraduate programs: **Computer Science, Information Systems, IT.**

Course Title Developed	Course Level	Program
Decision Support Systems	Undergraduate	BSc
Introduction to Database	Undergraduate	BSc
Database System Design	Undergraduate	BSc
System Analysis & Design	Undergraduate	BSc
Selected Topics in Information systems	Undergraduate	BSc
Selected Topics in Accounting Information systems	Undergraduate	BSc
Selected Topics in Electronics business	Undergraduate	BBA

For the Postgraduate program **Master of Computing, MIS**

Course Title Developed	Course Level	Program
Advance Software Engineering	Postgraduate	MSc
Project Management	Postgraduate	MSc
Information Security and Safety	Postgraduate	MSc
Advance Network Security	Postgraduate	MSc
Project Management	Postgraduate	MSc
Distributed & Cloud Computing	Postgraduate	MSc
Programming Language Design	Postgraduate	MSc

PUBLICATIONS

i) Jouranls

1. Sadik Ali, Abdurahman H. Belal A. Al-fuhaidi " E-Learning Adoption in Open Learning Programs: A Case Study of Public and Private Universities in Jeddah City " *International Journal of Computer Applications* (0975 – 8887) Volume 178 – No. 10, May 2019
2. Belal A. Al-Fuhaidi, Hasan A. A. Asaad, Sadik Al-Taweel" An Efficient Fault Tolerance Model for Single and Multi-Fault in MPLS Networks" *International Journal of Software Engineering and Computer Systems (IJSECS)* ISSN: 2289-8522, Volume 5 Issue 1, pp. 16-35, February 2019
3. Dr. Sadik Al-Taweel, Mohammed Husain Al-Hada, Ahmed Mahmoud Nasser" **Image in image Steganography Technique based on Arnold Transform and LSB Algorithms** " *International Journal of Computer Applications* (0975 – 8887) Volume 181 – No. 10, August 2018
4. Dr. Sadik Al-Taweel, Mohammed Hussein Haithm, “**Determinant of Resistance for ERP system in Private Companies in Yemen**”, *Journal of Science & Technology*, Vol. 21, No. 2, pp. 1-39, 2016.
5. Sadik, A. M. A.-Taweel., Sumari, P. & Ali.K.Alomari, S. (2010) **Robust Video Watermarking Algorithm Using Spatial Domain Against Geometric Attacks**. *International Journal of Computer Science and Information Security (IJCSIS - ISSN 1947 5500)*, Vol. 8, No. 2, 2010, pp.51-58.
6. Saleh A. Alomari, Putra Sumari, Sadik A. Al-Taweel, Ahmed M. Manasrah , "**CUSTP: Custom Protocol for Audio and Video Conferencing System over P2P Networks**", *JDCTA: International Journal of Digital Content Technology and its Applications*, Vol. 4, No. 3, pp. 61 ~ 74, 2010
7. Sadik, A. M. A.-Taweel. & Sumari., P. (2010) “**Robust Video Watermarking Algorithm Using 3D-DWT Domain**”. *Journal of Computer Science and Technology (JCST)*, under Review.
8. Al-Taweel, Sadik. A. M., Sumari, P., Alomari, S. A. K. & Husain, A. J. A. (2009) “**Digital Video Watermarking in the Discrete Cosine Transform Domain**”. *Journal of Computer Science*, 5 (8), 536-543.
9. Saleh Ali. K. Alomari., Sumari, P., Al-Taweel, Sadik. A. & Husain, A. J. A. (2009) “**Digital Recognition Using Neural Network**”. *International Journal Of Computer Science*, 5 , 427-434.
10. Abdulmonaam.S.Rahma & Sadik.Ali.M.Altaweel (2003) “**Using Computer Printing Facilities In Secure Document Printed And Information Hiding**”. *Journal Of Al Mansour University College 9th ,Year 2003, Scientific Conference By Union Of Arabic Scientific Research.*
11. Abdulmonaam.S.Rahma & Sadik.Ali.M.Altaweel (2002) “**Design and Implementation Technique for Information Hiding In Document Frame**”. *Journal Of Al-Rafidian University College For Science, No. 9, Sixth Year 2002.*

ii) Conferences

1. Dr. Sadik Ali Al-Taweel , Mohammed. Al-Hada, Ahmed. M. A. Naser, and Mohammed Al-Thamary “**Hide Image in Image Based on LSB Replacement and Arnold Transform**” *ICIT 2015 The 7th International Conference on Information Technology* doi:10.15849/icit.2015.0048 © ICIT 2015
2. Saleh Ali Alomari, Putra Sumari , Sadik Al-Taweel, Raman Valliappan, Usman Sarwar, 2011. **An Efficient Popularity Cushion Staggered Broadcasting for Homogeneous and Heterogeneous Mobile Video-on-Demand System**. *Proceedings of the 2011 3rd IEEE International Conference on Wireless and Optical Communications (ICWOC 2011)*. Zhengzhou, China, pp. 272-277. [Citation Indexed Proceedings (SCOPUS/ISI/SCI/SSCI/AI)]
3. Alomari, S. A. K., Sumari, P. & Al-Taweel, Sadik. A. (2010) **Peer To Peer Media Streaming System: A/V Conferencing System Using Custom Protocol**. *The 5th International Conference On Future Information Technology (Futuretech 2010)*. Busan, Korea, Ieee Xplore (Indexed By Ei).
4. Al-Taweel, Sadik. A. M. & Sumari, P. (2009) **Digital Video Watermarking in the Discrete Wavelet Transform Domain**. *2009 Sixth International Conference on Computer Graphics, Imaging and Visualization*. Tianjin, China, IEEE Computer Society.
5. Al-Taweel, Sadik. A. M. & Sumari, P. (2009) **A Robust Video Watermarking Algorithm Based on 3D-DWT Domain**. *International Conference on Software Engineering and Computer Systems (ICSECS '09)*. Swiss-Garden Resort & Spa, Kuantan, Pahang, Malaysia, University Malaysia PAHANG.

6. Al-Taweel, Sadik. A. M., Putra, S. & Kamarulhaili, H. (2009) **Digital Video Watermarking Based on 3D-Discrete Wavelet Transform Domain**. 2009 IEEE International Conference on Signal and Image Processing Applications (ICSIPA). Kuala Lumpur, Malaysia, IEEE.
7. Sadik, A., M Al-Taweel & Putra, S. (2009) **Robust Video Watermarking Based On 3D-DWT Domain**. IEEE TENCON 2009 Singapore, IEEE.
8. Al-Taweel, S. A. M. & Sumari, P. (2009) **Digital Watermarking of Video using 3D-Discrete Wavelet transform**. Computer Science Postgraduate Colloquium 2009 (CSPC'09),. School Of Computer Sciences, Universiti Sains Malaysia, Pulau Pinang, MALAYSIA.
9. Al-Taweel, Sadik. A. M. & Sumari, P. (2008) **Blind Compressed Video Watermarking in DCT Domain Robust Against Global Geometric Attacks**. International Cryptology Workshop and Conference 2008 (Cryptology2008). Putra World Trade Center (Pwtc) Kuala Lumpur.
10. Al-Taweel, Sadik. A. M. & Sumari, P. (2008) **Watermarking Of Compressed Video**. Computer Sciences Postgraduate Colloquium 2008 (CSPC08). USM, Pulau Penang, Malaysia.
11. Sadik, Ali. & Sumari, Putra. (2007) **Development of Robust Digital Watermarking Framework for Compressed Video against Geometric Attacks**. Computer Sciences Postgraduate Colloquium 2007 (CSPC07). USM, Pulau Penang, Malaysia

SUPERVISION AND EVALUATION (Graduation Projects & Postgraduate Research)

A- Postgraduate Research: Supervision: Master & Ph.D.

Ser	Student Name	Title	Year
1	Alia Matar Qaid Mohammed Al-Towaity	The Impact of Social Media on the Patients' Loyalty at Healthcare Services A Field Study of Outpatient Departments at Sana'a Private Hospitals	2020
2	Maryam Ali Yahya Ali Al-Kuhlani	An Empirical Study on Instructors Acceptance to Use Learning Management Systems in Yemeni Universities A Case study on University of Science and Technology	2019
3	Huda Mohammed Abdo Ghanem	Assessment The Performance Of Enterprise Resource Planning Systems Using Key Performance Indicators	2019
4	Mohammed Sageer Ahmed Alhamati	Improve Network Performance of Iids-Snort By Python Packet Sniffer Analyses	2017
5	Abdurahman Hasan Al-abdali	E-learning Adoption in Open learning programs Case of some Saudi's Universities	2016
6	Abdulkareem Alsabri	Development Of A Web-Based Project Progress Reporting Solution (Pprs)	2016
7	Diya Mohammed Abdullah Saleh Al-Muntaser	Development Of Cross-Platform Video Publishing System	2016
8	Essam Ahmed Mohammed Al-Ofairi	A Proposed Model For Activating The Investment Relationship Between The Tvet Graduates And Lmd In Yemen	2016
9	Mohammed Huessin Ali Haitham	Factors Affect ERP Adoption Case study:	2014
10	Ala Ali Alsanabani	Identity Management Development For Open Learning Colledge In UST	2014

B- Evaluation: Master & Ph.D.

Ser	Student Name	Title	Year
1.	Ahmed Fuad Thabit Al-Aghbar	Critical Success Factors for the Implementation of Information Systems Projects in Yemeni Private Universities	2019
2.	Mohammed Taher Qaid Ali	Knowledge Management Readiness Of The Telecom And Banking Sectors In Yemen	2019
3.	Khalid Ahmad Alhusam	Assessing Knowledge Management Maturity Of Telecommunications Companies In Yemen	2019
4.	Ahmed Mohammed Ahmed Sharaf Addin	Critical Success Factors Of Erp Adoption And Implementation In Telecommunication Companies In Yemen	2019
5.	Fawziyah Qaid Abdu Saif Nasr	The Technology Acceptance Model For Mobile Tracking On Insurance Service Applications In Yemen	2019
6.	Hani Mohammed Alwatah	Mobile Subscriber Behavior Analysis Solution	2018
7.	Abdulnasser Yassin hussein	National Financial Switch	
8.	Hesham Abdulhalim Ali Saeed	Framework Of Vsat Internet Connectivity For Humanitarian Organizations In Yemen	2018
9.	Gamil Mohammed Abdulqawi Mohammed	Analysis Of E-Banking Security In Yemen And Proposed Solution	2017
10.	Ali Saleh Abdullah Alqadri	Role-Based Access Control With Downgrading Policy	2017
11.	Maged Abdulrahman Hanash	A Comparison Study Of The Quran Question Answering Techniques	2017
12.	Abdullah Abdulmajid AbdulqawiAl-Hamidi	Development Of A Dynamic Online Admission System For Sana'a University In Yemen	2017
13.	Ibrahim Mohammad Mohammed Solh	Subscriber Data Management in telecom Sector: Security Perspective	2016
14.	Ammar Ghailan Saeed Al-Shargabi	An Approach For Static Analysis Of Java Code	
15.	Yahya Mohsen Hussein Al-Amlahi	An Artificial Neural Network Based Approach For Spam Email Filtering	2016
16.	Sanad Ahmed Ebrahim Abkar	The Impact Of Service Quality Dimensions On Customer Satisfaction In Telecom Mobile Companies In Yemen	2016
17.	Abdulssalam Mohammed Hussien Khako	A Method For Mitigating Ddos Attacks In Cloud Computing	2016
18.	Iyad Mohammed Rashad ALMasry	Performance Evaluation & Comparative Study of MPLS-TE Using IPv6 Link State Routing Protocols	2016
19.	Mohammed Essehaq Mohammed Mousa	Secured Cloud Apis Using Activity Analyzer	2015
20.	Wail Abbas Nasser Ahmed	Implementation Of Electronic Payment Systems In Yemen – Comparative Study	2015
21.	Moqbel Saleh Al-Haj	Performance Study and Comparison of Two Reactive Routing Protocols in Ad-Hoc Network	2015
22.	Mubarak Saeed Mohammed Shamsan	An Integrated System For Data Integrity Check In Cloud	2015
23.	Nabil Ahmed Elayah	Influence of Trust Factors on Acceptance of Internet Banking Services between Yemenis Users.	2015
24.	Fadhl Abdullah Amer	Protect Web Applications Against Sql Injection	2014

25.	Abdulkarim Yahya Abo Hatem	Investigate The Difficulties Of Utilization E-Learning: Case Study At General Telecommunication Institute In Yemen	2014
26.	Nabil Hasaan	Information Technology Risks and its Impact on the Security of Accounting Information Systems "Field Study on Telecommunications Companies Operating in Yemen"	2014
27.	Mohamed Abdo Ahmed Alyemani	Limitaions Of Business Intelligence Implemintation In Yemeni Banks	2013
28.	Abdulnasser Yassin Hussein	National Financial Switch	2013
29.	Bahaeldin M H Awadallah	The Impact Of Automation Process On The Employees' Satisfaction In University Of Science And Technology	2013
30.	Asmaa Sheikhan Al Dobae	Investgating The Possibility Of Applying Smart Identity Card In Yemen	2013
31.	Nada Alawi Saleh Alsalami	Investigating Customer Satisfaction On Applying E-Crm In Banking Industry In Yemen	2013
32.	Mosaad Abdullah Yahia Mohammed	Inferencing New Mapping In Peer To Peer Data Integration	2013
33.	Mohammed Abdu Farhan Ali Alsharabi	Improving Information Technology Auditing In Yemen	2013
34.	Ghadah Mohammed Abdullah Adel	A Comparison Of Online Plagiarism Detection Softwares In Arabic Theses	2012

LANGUAGES

English	Excellent
Arabic	Excellent
Bahasa Malaysia	Fair