

# SAYF A. MAJEED, Ph. D.

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[www.researchgate.net/profile/Sayf-Majeed](http://www.researchgate.net/profile/Sayf-Majeed)



## HIGHLIGHTS

- Excellent researcher and lecturer
- Administration and Documentation Skills
- Students' Problem-Solving Skills
- Personable and approachable
- Presentation and communications Skills
- Innovative Thinker

## EDUCATION

- Ph.D.** National University of Malaysia (UKM), Bangi, Malaysia **Jun 2010 – Feb 2017**  
Faculty of Electrical, Electronics, and Systems Engineering  
Thesis: Robust feature extraction algorithm using phase autocorrelation and wavelet transform for speech recognition
- M.Eng** National University of Malaysia (UKM), Bangi, Malaysia **Feb 2006 - Aug 2008**  
Faculty of Electrical, Electronics, and Systems Engineering, School of Electronics and Communication Engineering  
Thesis: Artificial Immune System applied for anomaly detection in Data Communication
- B.Sc.** University of Mosul, Mosul, Iraq **Sep 1999 - Jun 2004**  
College of Engineering, Department of Electrical, Electronics and Communication Engineering  
Final Year Project: Network Interface Controller Simulation  
By MATLAB

## EXPERIENCE

- Lecturer** Alhadbaa University College, Technical Computer Engineering Department **Sep 2018 – Present**
- Taught courses in Communication System Fundamentals, Multimedia Computing and Computer Network.
  - Member of research assessment committee.
  - Member of scientific committee.
  - Responsible for laboratories development (Communications and Programming Labs).

<b>Trainer</b>	<b>EMC International Learning Center</b>	<b>Jun 2006 – Nov 2017</b>
	<ul style="list-style-type: none"> <li>• Trainer and Facilitator of the Trainees from Engineering and managerial staff of the Technical and Vocational Training Corporation (TVTC), Saudi Credit and Saving Bank (SCSB), and Ministry of Labor. Kingdom of Saudi Arabia.</li> </ul>	
<b>Facilitator/ Trainer</b>	<b>International Centre for training &amp; development ICTD</b>	<b>Jun 2012 – Jan 2014</b>
	<ul style="list-style-type: none"> <li>• Responsible for the technical courses holding in Kuala Lumpur, includes Telecommunication, Electrical and Electronics Engineering and Information Technology.</li> </ul>	
<b>Supervisor</b>	<b>Dabbas International Group (Mosul Branch)</b>	<b>Jun 2004 - Nov 2005</b>
	<ul style="list-style-type: none"> <li>• Supervisor of Computer Systems and International Relations.</li> <li>• Computers maintenance and network troubleshooting.</li> </ul>	

### ACTIVITIES AND VOLUNTEER EXPERIENCE

- Invited talk and presentation (2016). “Writing an Effective Research Proposal” at the Faculty of Information Science and Engineering, Management & Science University (MSU). Shah Alam, Malaysia (Hosted by Dr. Shahad N. Al-Yousif, 6/12/2016).
- Session chair of 2012 International Conference on System Engineering and Modeling. Kuala Lumpur, Malaysia.
- Interpreter for Arabic delegations (English to Arabic): Meetings, Opening ceremony, and certificates presentation.
- Assisting postgraduate students in their dissertation preparation, manuscript writing, and thesis finalization.
- Personal tutor for B.Sc. and master students in many subjects related to communications and computer engineering.

### PROFESSIONAL TRAININGS

Master Class on FPGA (21 Days)	<b>19 Apr-12May 2021</b>
Master Class on power electronics using MATLAB (5 Days)	<b>12 Apr- 16Apr 2021</b>
Master Class on electric vehicle design using MATLAB (5 Days)	<b>29 Mar-2 Apr 2021</b>
Artificial Intelligence Master Class Using MATLAB	<b>18 Jan – 1 Feb 2021</b>
30 days Master Class on MATLAB Simulink	<b>23 Nov- 22 Dec 2020</b>
Image Processing Using MATLAB	<b>2 Nov-6 Nov 2020</b>
Iraq E-Learning Professional Training Program (Training of Trainers), Certificate with Distinction	<b>30Apr-20 Jun 2020</b>
Pedagogy methods and strategies Course (Kirkuk University)	<b>25 Feb-28 Mar 2018</b>
Senior Leadership Supervisory Skills of the Distinguished Leader	<b>2 – 6 Oct 2017</b>
Enhancing Customer Service and Communication Skills	<b>19 Nov-14 Dec 2012</b>

Advanced Management Development Program for Credit and Savings Officers	8-19 Oct 2012
Managing SME Funding and Services Program SMEFS	17-28 Sep 2012
Engineering and Design Quality Management	6 – 17 Jun 2011
Administrative Development and Structure Performance Measurement	30 Jun- 9 Jul 2008

## SKILLS

General skills in research speech recognition systems, pattern recognition and machine learning.

Specific expertise and interests in:

- Academic:**
- Academic and Teaching Techniques.
  - Students' Problem-Solving Skills.
  - Presentation and communications Skills.
  - Administration and Documentation Skills.
- Computer:**
- Programming Languages: MATLAB (Advanced).
  - Operating Systems: All versions of Windows (Advanced).
  - Applications: Microsoft Office, Adobe Photoshop, Multisim, Corel Draw and Endnote.
  - Computer Troubleshooting Skills (Advanced).
  - In-depth knowledge of latest IT Technologies.
- Languages:**
- Arabic (Mother Tongue)
  - English (Advanced)
  - French (Basics)
  - Bahasa Malaysia (Basics)

## STRENGTHS AND HOBBIES

- High standards of discipline and punctuality
- Tact and Diplomacy
- Quick learner
- Critical and Logical Thinking
- Reading: Novels, self-help books, historical and spiritual books
- Watching Documentary movies

## SELECTED PUBLICATIONS

- Sayf. A. Majeed**, H. Husain, and S. A. Samad. **2015**. Phase autocorrelation wavelet transform (PACWT) Features for robust speech recognition. *Archives of Acoustics*. Vol 40 (1): 25–31. DOI: 10.1515/aoa-2015-0004.
- Sayf. A. Majeed**, H. Husain, S. A. Samad. **2015**. Mel frequency cepstral coefficients (MFCC) Feature extraction enhancement in the Application of speech recognition: A comparison study. *Journal of Theoretical and Applied Information Technology*. Vol 79(1): 38-56.

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- Abdulsattar M. Ahmed, Salim Abdullah Hasan, **Sayf A. Majeed**, 2019. 5G Mobile Systems, Challenges and Technologies: A Survey. *Journal of theoretical and Applied Information Technology*. Vol. 97(11): 3214-3226. DOI: 10.5281/zenodo.3256485.
- A Milad, NIM Yusoff, **Sayf A. Majeed**, ANH Ibrahim, MA Hassan, ASB Ali. 2020. Using an Azure Machine Learning Approach for Flexible Pavement Maintenance. *2020 16th IEEE International Colloquium on Signal Processing & Its Applications (CSPA)*: 146-150. DOI: 10.1109/CSPA48992.2020.9068684.
- Abdalahman Milad, **Sayf A Majeed**, Nur Izzi Md Yusoff. 2020. Comparative Study of Utilising Neural Network and Response Surface Methodology for Flexible Pavement Maintenance Treatments. *Civil engineering journal*. 6 (10), 1895-1905. DOI: 10.28991/cej-2020-03091590.
- Milad, Abdalahman, Ibrahim Adwan, **Sayf A. Majeed**, Nur Izzi Md Yusoff, Nadhir Al-Ansari, and Zaher Mundher Yaseen. 2021. Emerging Technologies of Deep Learning Models Development for Pavement Temperature Prediction. *IEEE Access* 9: 23840-23849. DOI: 10.1109/ACCESS.2021.3056568.
- Milad, Abdalahman, Nur Izzi Md Yusoff, **Sayf A. Majeed**, Zainab Hasan Ali, Mohmed Solla, Nadhir Al-Ansari, Riza Atiq Rahmat, and Zaher Mundher Yaseen. 2021. "An Educational Web-Based Expert System for Novice Highway Technology in Flexible Pavement Maintenance." *Complexity* 2021. <https://doi.org/10.1155/2021/6669010>
- Yahya Ahmed Yahya, Sara Raed, Ahmad Talal, Abdullah Khalil, **Sayf Abdul Hamid Majeed**, and Ahmed Darghouth. April 2021. A Review on Smart Cities Technologies, Challenges, and Solution, *International Journal of Advances in Computer and Electronics Engineering*, Vol. 6, No. 4, pp. 1-7.
- Abdalahman Milad, **Sayf A Majeed**, Ibrahim Adwan, Nasradeen A Khalifa, Nur Izzi Md Yusoff. (In press). Adaptive Neuro Fuzzy Inference System For Predicting Flexible Pavement Distress In Tropical Regions. *Journal of Engineering Science & Technology (JESTEC)*