

Curriculum Vitae

Prof. Dr. Haider Tarish Haider

Mustansiriyah University – College of Engineering- Computer Department
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PERSONAL SUMMARY:

- Professor in Computer Engineering department/ College of Engineering/ Mustansiriyah University.
- Research interests include Smart Grid (SG), Demand Side Management (DSM), Internet of Things (IoT), Cognitive Radio Network (CRN) and Internet of Nano Things (IoNT).

EDUCATION:

- Ph.D. (2017) Computer Engineering/ Computer networks/ University of Tenaqa Nasoinal / Malaysia
- M.Sc.(2003) Electrical Engineering / Computer & Control / University of Baghdad / Iraq
- B.Sc. (2001) Electrical Engineering / University of Baghdad / Iraq

ACADEMIC HONORS AND AWARDS:

- Certification of excellence highest journal ranking publication in University of Tenaga, 2016.
- Certification of best paper award in IEEE conference in Kuala Lumpur, Malaysia, 2015.

ACADEMIC /TEACHING EXPERIENCE:

- ICND part2 certified, from Netron Institute – Istanbul / Turkey 2009.
- CIPT certified, design and implementation of IP Telephone networks from Netron Institute – Istanbul / Turkey 2009.
- Special course for HP Procurve switches including configuration & management 2004.
- Course of semiconductors products with practical application in Aleppo University during 1/8/1998 to 1/9/1998.
- Network administrator (5 years) for the following fields.
 1. Cisco Router and Switches configuration.
 2. HP Procurve Switches configurations.
 3. Wires and Wireless networks design.
 4. VSAT Communication.

COURSES TAUGHT:

Undergraduate	Graduate
Computer Networks -4 th stage Electronic Circuits -2 nd stage Software Engineering -3 rd stage Communication Systems-3 rd stage Digital communication -2 nd stage Analog Communication- 2 nd stage Data ciphering- 3 rd stage Computer Security- 3 rd stage	Information Theory

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الأستاذ الدكتور
علي خالد جاسم
معاون العميد للشؤون العلمية

أ.م.د. هادي كريم علي
رئيس قسم الهندسة الكهربائية
2017/1/11

PROFESSIONAL AFFILIATIONS:

- IEEE student member 2013-2017
- Member of Iraqi Engineers Union since 2001.

PUBLICATIONS:

Local Journals:

1. **Haider Tarish Haider**, Deia Halboot Mohussen, “**Virtual privet networks using cisco Routers**”, Journal of Engineering and Sustainable Development, University of Mustansiriyah, Vol. 13, No. 4, pp10-27,December, 2009.
Online Link: <https://jeasd.uomustansiriyah.edu.iq/index.php/jeasd/article/view/1493>
2. **Haider Tarish Haider** “**Wireless communication using WiMax technology**” , , Journal of Engineering and Sustainable Development, University of Mustansiriyah, Vol. 14, No. 3, pp142-161,Sept, 2010.
Online Link: <https://jeasd.uomustansiriyah.edu.iq/index.php/jeasd/article/view/1471>
3. Deia Halboot Mohussen, **Haider Tarish Haider**, Wisam Haithem Abbood “**Analog and Digital speed control of DC drive by using different control Schemes**”, Journal of Engineering and Sustainable Development, University of Mustansiriyah, Vol. 14, No. 1, pp87-102, March, 2010.
Online Link: <https://jeasd.uomustansiriyah.edu.iq/index.php/jeasd/article/view/1418>
4. **Haider Tarish Haider** “**Design of a telemedicine networks for Iraq**” , the Engineering Conference of Control, Computers and Mechatronics, University of Technology, ECCCM 2011, Baghdad-Iraq, January 30 – 31, pp 213-223, 2011.
Online Link: http://uotechnology.edu.iq/dep-cse/conferences/1/ECCCM2011_Full_Papers_Conference_Proceeding.pdf
5. **Haider Tarish Haider**, Faiq Sabar Baji , Ahmad Saeed Mohammad “**Text Hiding Using Artificial Neural Networks**” Engineering and Technology Journal, University of Technology, Vol. 30, No. 20, pp 3553-3564, 2012.
Online Link: https://etj.uotechnology.edu.iq/article_66181.html
6. Dhiaa Halboot Mohussen, **Haider Tarish Haider** and Haider Ismael S. “**Parameter Extraction of Single-Diode PV-Module Model Using Electromagnetism-Like algorithm**”, Journal of Engineering and Sustainable Development, University of Mustansiriyah, Vol. 22, No. 2 part 2, March, 2018.
Online Link: <https://pdfs.semanticscholar.org/f443/df6c5c30eb63c99072d5461abbb22dca1780.pdf>

International Journals:

1. **Haider Tarish Haider**, O. H. See, and W. Elmenreich, “**A review of residential demand response of smart grid**,” Renew. Sustain. Energy Rev., vol. 59, pp. 166–178, Jun. 2016. (ISI journal/ Impact factor 6.798/ Q1).
Online Link: <http://www.sciencedirect.com/science/article/pii/S1364032116000447>
2. **Haider Tarish Haider**, O. H. See, and W. Elmenreich, “**Residential Demand Response Scheme based on Adaptive Consumption Level Pricing**,” Energy, vol. 113, pp. 301–308, Oct. 2016. (ISI journal/ Impact factor 4.844/ Q1).
Online Link: <http://www.sciencedirect.com/science/article/pii/S0360544216309768>
3. **Haider Tarish Haider**, O. H. See, and W. Elmenreich, “**Dynamic residential load scheduling based on adaptive consumption level pricing scheme**,” Electr. Power Syst. Res., vol. 133, pp. 27–35, Apr. 2016. (ISI journal/ Impact factor 1.809/ Q2).
Online Link: <http://www.sciencedirect.com/science/article/pii/S0378779615003843>

4. D.H. Muhsen, T. Khatib, Haider Tarish Haider, "A feasibility and load sensitivity analysis of photovoltaic water pumping system with battery and diesel generator" Energy Conversion and Management 2018; pp 433:12089. (ISI journal/ Impact factor 6.377/ Q1).
Online Link: <https://www.sciencedirect.com/science/article/pii/S0196890417305502>
5. H.I.Shahadi and Haider Tarish Haider and DH Muhsen. "Vehicle monitoring based on GSM technology for safety and security". IOP Conference Series: Materials Science and Engineering, Volume 433, 3rd International Conference on Engineering Sciences 26-27 March 2018, Kerbala, Iraq. (Scopus Database Q3 site scour 0.49).
Online Link: <http://iopscience.iop.org/article/10.1088/1757-899X/433/1/012089>.
6. Muhsen DH, Nabil M, Haider Tarish Haider, Khatib T. "A novel method for sizing of standalone photovoltaic system using multi-objective differential evolution algorithm and hybrid multi-criteria decision making methods". Energy vol. 174: pp.1158–75. 2019. (ISI journal/ Impact factor 4.968/ Q1).
Online Link: <https://www.sciencedirect.com/science/article/abs/pii/S0360544219304505>
7. Haider Tarish Haider and DH Muhsen and H.I.Shahadi. "A New and Adaptive Security Model for Public Communication Based on Correlation of Data Frames". ACTA POLYTECHNICA IOP vol 52 No.2 May, pp. 126-133, 2019. (Scopus and ISI journal Database Q3 site scour 0.52).
Online Link: <https://ojs.cvut.cz/ojs/index.php/ap/article/view/5159>
8. Muhsen, D.H.; Haider, H.T.; Al-Nidawi, Y.; Khatib, T. "Optimal Home Energy Demand Management Based Multi-Criteria Decision Making Methods". *Electronics* 2019, 8, 524.
Online Link: <https://www.mdpi.com/2079-9292/8/5/524#cite>
9. Muhsen DH, Haider Tarish Haider, Al-Nidawi YM, Khatib T. "Domestic load management based on integration of MODE and AHP-TOPSIS decision making methods". *Sustain Cities Soc* 2019;50:101651. (ISI journal/ Impact factor 4.968/ Q1).
Online Link: <https://www.sciencedirect.com/science/article/pii/S221067071930558X>
10. Haider Tarish Haider., Muhsen, D.H., Shahadi, H.I., See, O.H. and Elmenreich, W., 2019 "Dynamic Smart Grid Communication Parameters Based Cognitive Radio Network", ACTA POLYTECHNICA IOP vol 52 No.3 July 13, pp. 248-259, 2019. doi:10.14311/AP.2019.59.0248. (Scopus and ISI journal Database Q3 site scour 0.63).
Online Link: <https://ojs.cvut.cz/ojs/index.php/ap/article/view/5194/5031>
11. H I Shahadi, D H Muhsen, H T Haider and A H Taherinia. "Design and Implementation of a Smart Baby Crib". IOP Conference Series: Materials Science and Engineering, Volume 671, 3rd International Conference on Engineering Sciences 4–6 November 2019, Kerbala, Iraq. (Scopus Database Q3 site scour 0.49).
Online Link: <https://iopscience.iop.org/article/10.1088/1757-899X/671/1/012050/meta>
12. H T Haider, D H Muhsen and H F Mahdi. "Electromagnetism-Like Algorithm-Based Parameters Estimation of Double-Diode PV-Module Model". IOP Conference Series: Materials Science and Engineering, Volume 1076, 2nd International Scientific Conference of Engineering Sciences (ISCES 2020) 16th-17th December 2020, Diyala, Iraq. (Scopus Database Q3 site scour 0.7).
Online Link: <https://iopscience.iop.org/article/10.1088/1757-899X/1076/1/012002>
13. MJ Sultan, MA Tawfeeq, and H T Haider. "Residential Load Scheduling Based Analytical Optimization Method". IOP Conference Series: Materials Science and Engineering, Volume 1076, 2nd International Scientific Conference of Engineering Sciences (ISCES 2020) 16th-17th December 2020, Diyala, Iraq. (Scopus Database Q3 site scour 0.7).
Online Link: <https://iopscience.iop.org/article/10.1088/1757-899X/1076/1/012005>

14. **Mustafa Ibrahim Mansoor and Haider Tarish Haider. "A multi-objective residential load management based on self-adapting differential evolution"**. Renewable Energy Focus vol. 38: pp. 44-56. 2021. (ISI journal/ Scopus Database/ CiteScore 5/ Q2).
Online Link: <https://www.sciencedirect.com/science/article/abs/pii/S1755008421000302>
15. **MJ Sultan, MA Tawfeeq, and H T Haider. "Residential load control system based analytical optimization method for real residential data consumption"**. Journal of Physics: Conference Series, Volume 1973, 3rd International Scientific Conference of Engineering Sciences and Advances Technologies (IICESAT), College of Material Engineering, University of Babylon, Iraq in 4-5 June, 2021. (Scopus Database Q3 site scour 0.7).
Online Link: <https://iopscience.iop.org/article/10.1088/1742-6596/1973/1/012018>
16. **Haider Tarish Haider, D H Muhsen , Al-Nidawi YM, Khatib T., and O. H. See, "A novel approach for multi-objective cost-peak optimization for demand response of a residential area in smart grids,"** Energy, vol. 254, Part B, 2022. (ISI journal/ Impact factor 9/ Q1).
Online Link: <https://www.sciencedirect.com/science/article/abs/pii/S0360544222012634>
17. **D H Muhsen , Haider Tarish Haider, Al-Nidawi YM, and G. G. Shayea " Operational scheduling of household appliances by using triple-objective optimization algorithm intergrated with multi-criteria decision making,"** Sustainability, vol. 15, Issue 24, 2023. (ISI journal/ Impact factor 3.9/ Q1).
Online Link: <https://www.mdpi.com/2071-1050/15/24/16589>
18. **Taha, H.H., and H T Haider. " Multi-objective Residential Load Scheduling Approach Based on Pelican Optimization Algorithm"**. New Trends in Information and Communications Technology Applications. NTICT 2023. Communications in Computer and Information Science, vol 2096. Springer, Cham.
Online Link: https://link.springer.com/chapter/10.1007/978-3-031-62814-6_3#citeas
19. **Almunem RDA, Muhsen DH, Haider Tarish Haider, Khatib T. "A novel hybrid method for modeling of photovoltaic module I–V characteristic curve by using artificial intelligence-based solver and multi-criteria decision making"** . Energy Exploration & Exploitation. 2024;42(1):309-329. (ISI journal/ Impact factor 1.9/ Q2).
Online Link: <https://journals.sagepub.com/doi/10.1177/01445987231211609?icid=int.sj-abstract.similar-articles.6>
20. **Ruqayah Dheyauldeen A.Almunem, Dhiaa Halboot Muhsen, Haider Tarish Haider, Tamer Khatib, "A novel method for modeling of photovoltaic modules based on arithmetic optimization algorithm and cuckoo search"** , Optik, Volume 298,2024. (ISI journal/ Impact factor 3.1/ Q1).
Online Link: <https://www.sciencedirect.com/science/article/abs/pii/S0030402623010896>
21. **Al-Nidawi YM, Haider Tarish Haider, D H Muhsen , and G. G. Shayea "Multi-User Optimal Load Scheduling of Different Objectives Combined with Multi-Criteria Decision Making for Smart Grid"** Future Internet, vol. 16, Issuc 10, 2024. (ISI journal/ Impact factor 2.8/ Q1).
Online Link: <https://www.mdpi.com/1999-5903/16/10/355>
22. **Al-Nidawi YM, Haider Tarish Haider, D H Muhsen , and G. G. Shayea "Parameter Identification in Triple-Diode Photovoltaic Modules Using Hybrid Optimization Algorithms"** Designs, vol. 8, Issue 6, 2021. (Scopus journal/ Cite scour 3.9/ Q2).
Online Link: <https://www.mdpi.com/2411-9660/8/6/119>
23. **Hiba .Haider, Taha., & Haider Tarish Haider, "Multi-Objective Residential Load Scheduling Approach Based Pelican Optimization Algorithm with Multi-Criteria Decision Making"**. Journal of Engineering and Sustainable Development, 29(2), 242-254, (2025). (Scopus journal/ Cite scour 1.7).
Online Link: <https://doi.org/10.31272/jeasd.2447>

International Conference Proceeding:

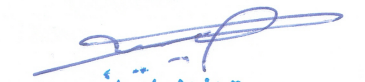
1. **Haider Tarish Haider**, O. H. See and W. Elmenreich, "**Optimal residential load scheduling based on time varying pricing scheme**," 2015 IEEE Student Conference on Research and Development (SCORED), Kuala Lumpur, 13-14 Dec. 2015, pp. 210-214. (SCOPUS), (**Best paper award in the conference**).
Online Link: <http://ieeexplore.ieee.org/document/7449326/>

PROFESSIONAL DEVELOPMENT

- Cisco ICND part2 certification
- Cisco CIPT Certification.
- The Engineering Conference of Control, Computers and Mechatronics, University of Technology, ECCCM 2011, Baghdad-Iraq, January 30 – 31, 2011.
- 2015 IEEE Student Conference on Research and Development (SCORED), Kuala Lumpur, 13-14 Dec. 2015
- Workshop on "**Smart Grid development**", Computer engineering dept., Mustansiriyah University, 2017.
- Workshop on "**Nano IoT Appliactions**" Computer engineering dept., Mustansiriyah University, 2018.
- Workshop on "**Research tools –Publons-**" Computer engineering dept., Mustansiriyah University, 2019.
- Workshop on "**Software Defined Network based Smart Grid Communication**" Computer engineering dept., Mustansiriyah University, 19-12-2019.
- Workshop on "**VSAT Satellite communication technology**" Computer engineering dept., Mustansiriyah University, 14-12-2022.



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رئيس قسم هندسة الحاسوب
C. E. C. C.