



Curriculum – Vitae of Prof. Al Smadi Taki alddin

Personal Information

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	Professional Engineer, (JEA) Jordan Engineering Association No :19329/04



Academic Degrees

<i>Educational Qualification/Certificate</i>	
B.Sc	Degree: Electronics & microelectronics engineering Institution: Moscow Power Engineering Institute (Technical University) Country: Russia Date: 1995/1999 Grade: Very Good Title (if applicable): Differential <i>pulse to code modulator and demodulator</i>
M.Sc	Degree: Electrical & Computer engineering Institution: Kazan State Technological University. Country: Russia Date: 1999-2000 Specialty: The atomized data processing & monitoring systems. Title (if applicable) " <i>Development of the digital system of transmission of continuous messages</i> ".
PhD	Degree: Electrical and control Engineering Institution: Kazan State Technological University. Country: Russia Date: 2000-2005



- Assi . Prof. on 2006
- Associate Professor on 2014
- Full Professor on: 2018



Positions

Full Professor Communication & Electronics Department, Faculty of Engineering, Jerash University, Jordan,

Dean Assist, For scientific affairs and postgraduate studies on 9-11-2010.

ADMEN EXPERIENCES

- Ø Head of Computer Science Department Jerash University 2008 -Now
- Ø Head of Department of communication and electronics. Faculty of Engineering 2011-2018
- Ø Director of quality and accreditation in Engineering College 2011- 2014

Published books:

- *M. N. Mohanty, S. Satrusallya, and T. Al Smadi, "Antenna selection criteria and parameters for IoT application," Printed Antennas, pp. 283–295, Oct. 2022, doi: 10.1201/9781003347057-18.*
- [Brig's Handbook of Methods & Research in Artificial Intelligence, Protocols and Legislations \(2 Volumes\)](#)por et al. Contributors: Xiao Guo, Takialddin Al Smadi | 1 enero 2021
Brigs Academics Limited; 1st edition,ISBN: 1788358090
[Brigs Academics Limited; 1st edition \(January 1, 2021\)](#)
- Encyclopaedia of Artificial Intelligence and Robotics (4 Volumes) Tapa dura – 1 Enero 2021
de [et al. Contributors: Xiao Guo, Takialddin Al Smadi, A. Gasparetto, Jim Torresen](#) rigs
Academics Limited; 1st edition (January 1, 2021)ISBN: 1788358082
[Brigs Academics Limited; 1st edition \(January 1, 2021\)](#)

Membership(National and International Journals)

Organizing Committee **Member** of The IEEE Conferences

Editor-in-Chief

(JASET) J. Adv. Sci. Eng. Technol.

<http://jaset.isnra.org/>

Editor-in-Chief

International journal of Electrical and Electronics Research (IJEER) **Scopus**

<https://ijeer.forexjournal.co.in>

Editorial Board: Tikrit Journal of Engineering Sciences, (Tikrit j. Eng. sci.) (TJES)**Scopus**

Editorial Board: Anbar Journal of Engineering Sciences

Editorial Board Members, International Journal of Automation and Computing (IJAC),

Springer

Editorial Board Members, Computers and Electrical Engineering (**Elsevier**)

Editorial Board Members, Design for Scientific Renaissance, JASER and JACSTR Journal

Editorial Board Members, Computer and Information Science Journal

Editorial Board Members , Journal of American Journal of Engineering and Applied Sciences

and

(AJEAS) and American Journal of Applied Sciences (AJAS) (Since publication)

Reviewer, British Journal of Applied Science & Technology (BJAST) (ISSN: 2231-0843)

Reviewer , Journal of Circuits and Systems (CS) Scientific Research

Reviewer American Journal of Science, Engineering and Technology (ajset)

Reviewer, Journal of Applied Sciences, JAS-ANSI, Science Alert

Reviewer , Journal of Signal and Information Processing (JSIP) Scientific Research

Reviewer, Mishawaka for Researches and Studies, Conference Reviewer,

Conferences

Participants beyond internal and external Conferences

Organizing Committee Member of The IEEE Conferences –Jordan 2015- present



Workshops

Chairman and Organizing Committee Member Workshops

-Articles

Journal Publications

- Al Smadi Khalid, Y. M. A., Sharo, M. A. B. Y., & **Al Smadi Takialddin**, A. A. H. (2023). THE CURRENT CAPABILITIES AND FUTURE POTENTIAL OF ROBOTIC REHABILITATION. *Journal of Southwest Jiaotong University*, 58(2).
- Ababneh, M., & Alzubi, M. **Al Smadi T.A** (2023). Engineering management for Assessment of Solar Energy Development (case study of Jordan). *Journal of Advanced Sciences and Engineering Technologies*, 5(2), 34-50.
- Gaeid, K. S., Homod, R. Z., Al Mashhadany, Y., **Al Smadi, T.**, Ahmed, M. S., & Abbas, A. E. (2022). Describing Function Approach with PID Controller to Reduce Nonlinear Action. *International Journal of Electrical and Electronics Research (IJEER)*, 10, 4.
- Al-Husban, Y., Al-Ghriyah, M., Handam, A., & **Al Smadi, T.** (2022). RESIDENTIAL SOLAR ENERGY STORAGE SYSTEM: STATE OF THE ART, RECENT APPLICATIONS, TRENDS, AND DEVELOPMENT. *Journal of Southwest Jiaotong University*, 57(5).
- Al Smadi, T.** (2022). Performance Study of Broadband and a Dual-Band Antenna-Array of Telecommunication Systems. *Anbar Journal of Engineering Sciences*, 13(2).
- Handam, A. **Al smadi T.** (2022). Multivariate analysis efficiency of energy complexes based on renewabl energy sources in the system power supply of autonomous consume. *International Journal of Advanced and Applied Sciences*, 9(6)
- Viacheslav Kovtun, A. **Al smadi T. et.al** (2022)Modelling of a Wireless Person-System Transaction Session with Information System Adapted for E-Commerce. *journal Computer Communications*,elsever ,**Accepted Paper**
- Handam, A. Al smadi T. (2022). Artificial neural networks for voice activity detection Technology. *Journal of Advanced Sciences and Engineering Technologies*, 5(1), 23-31.
- Igried Alkhawaldeh,**Al Smadi T.**(2022),Micro-Strip Antenna Array for Telecommunication Systems, *European Journal of Applied Sciences – Vol. 10, No. 2* Publication Date: April 25, 2022, DOI:10.14738/aivp.102.1190.



- Prof-Takialddin al Smadi**, Mohammed Al-Maitah: ARTIFICIAL INTELLIGENT TECHNOLOGY FOR SAFE DRIVER ASSISTANCE SYSTEM. International Journal of Computer Aided Engineering and Technology 02/2019;, DOI:10.1504/IJCAET.2020.10014759
- Prof-Takialddin al Smadi**, Kalid Al Smadi: Overview of Model Free Adaptive (MFA) Control Technology. International Journal of Artificial Intelligence 12/2018; 7(4):165-69., DOI:10.11591/ij-ai.v7.i4.pp%25p
- Hussein Al-Ofeishat, Esam Trad, Prof-Takialddin al Smadi: Proactive algorithm dynamic mobile structure of Routing protocols of ad hoc networks.

- Takialddin Al Smadi: Modern Technology for Image processing and Computer vision -A Review. 05/2018; 1(2):17-23., DOI:10.32441/jaset.v1i2.178
- Takialddin Al Smadi, Ayman Al Sawalha: Engineering Technologies Microstrip Patch Antenna Radiation Variation of Quality Factors and Bandwidth of a Conically Depressed. International Journal of Earth Sciences and Engineering 04/2018; 1(1), DOI:10.32441/jaset.v1i1.53
- Prof-Takialddin al Smadi: Automatic detection technique for voice quality inter-disciplinary methodologies. 04/2018; 1(1):1-6., DOI:10.32441/jaset.v1i1.54
- Kalid Al Smadi, Takialddin Al Smadi: Automatic System Recognition of License Plates using Neural Networks. International Journal of Engineering and Manufacturing 07/2017; 7(4):26-35., DOI:10.5815/ijem.2017.04.03
- Takialddin AL Smadi: High-Speed Small-Purpose Parallel Hybrid Architecture of Summator for Calculation Back 3x in Eighth Coding. Eastern European Economics 07/2017; 3:19-31., DOI:10.12851/EESJ201703
- Takialddin AL Smadi, Khalid A. Al Smadi, Orayb O. Al-Smadi: Optimization of multiprocessors memory system performance instruction level parallelism.
- Takialddin AL Smadi: Pedestrian Crossings Detection by using Driving Assistance Systems. 01/2017; 9(2016):17-21., DOI:10.22385/jctecs.v9i0.127

- Al Smadi Takialddin, Kalid Al Smadi, Orayb O Al-Smadi: High-Speed for Data Transmission in GSM Networks Based on Cognitive Radio. 01/2017; 10(1):69.77., DOI:10.3844/ajeassp.2017.69.77

- Yahya S. H. Khraisat, Huthaifa A. Al-Issa, Al Smadi Takialddin, Taqwa Al-Khasawneh: Design tunable filter-antennas for cognitive radio applications. Contemporary Engineering Sciences 01/2017; 10:233-242., DOI:10.12988/ces.2017.69151

- Takialddin Al Smadi, Igried Al-Khawaldeh, Kalid Al Smadi: Three-Dimensional Scenes Restore Using Digital Image. Journal of Signal and Information Processing 01/2017; 8(01):1-8., DOI:10.4236/jsip.2017.81001
- Takialddin AL Smadi, Farouq M. Al Taweel, Al-Khawaldeh Igried: Estimation and Design Techniques for Adaptive Delta Modulation Using Otas. DOI:10.11648/j.ajset.20160102.15



- Takiialddin AL Smadi, Al-Khawaldeh Igried, Risk and Vulnerability Analyses for the protection of Information for Future communication security Based Neural Networks.
- Takiialddin Al Smadi, Huthaifa A. Al Issa, Esam Trad, Khalid A. Al Smadi: Artificial Intelligence for Speech Recognition Based on Neural Networks. Journal of Signal and Information Processing 01/2015; 06(02):66-72., DOI:10.4236/jsip.2015.62006
- Ali, H., Qawaqzeh, M. Z., Abbas, M., & Al Smadi, T. (2015). Implementation & Comparative Analysis of 10, 18 & 24 Level Diode Clamped Inverters Using "Trust Region Dog Leg" Method. Circuits and Systems, 6(03), 70., DOI:10.4236/cs.2015.63008
- Mohammed Al-Maitah, Takiialddin A. Al Smadi, Hani Qasem Rashrash Al-Zoubi: Scalable user Interface. Research Journal of Applied Sciences, Engineering and Technology 04/2014; 7(16):3273-3279., DOI:10.19026/rjaset.7.671
- Takiialddin Al Smadi: Real-Time Lane Detection for Driver Assistance System. Circuits and Systems 01/2014; 05(08):201-207., DOI:10.4236/cs.2014.58022
- Takiialddin A. Al Smadi, Mohammed Maitah: An Efficiency and Algorithm Detection for Stenography in Digital Symbols. 11/2013; 6(1):34-38., DOI:10.5815/ijcnis.2014.01.05
- Takiialddin A. Al Smadi: Design and Implementation of Double Base Integer Encoder of Term Metrical to Direct Binary. Journal of Signal and Information Processing 01/2013; 04(04):370-374., DOI:10.4236/jsip.2013.44047
- Takiialddin A. Al Smadi: Computer application using low cost smart sensor. International Journal of Computer Aided Engineering and Technology 01/2012; 4(6):567 - 579., DOI:10.1504/IJCAET.2012.049572
- T.A. Al-Smadi, H. Al-Wahshat: System identification of the logical object and logical acupuncture.
- Mohammad Awad Momani, Takiialddin A Al Smadi, Farouq M Al Taweel, Khaldoon A Ghaidan: GPS Ionospheric Total Electron Content and Scintillation Measurements during the October 2003 Magnetic Storm. 02/2011; 4(2):301-306., DOI:10.3844/ajeassp.2011.301.306
- Takiialddin Al-Smadi, Farouk M. Altaweel, H.A. Al Wahshat: Design and Applications of Microprocessor Based Digital Filter. Journal of Engineering and Applied Sciences 02/2011; 6(2):168-173., DOI:10.3923/jeasci.2011.168.173
- Khaldoon Atta Ghaidan, Takiialddin A. Al Smadi, Sahar D. Al-Sudani: Web Interface Evaluation Design and Applications. 02/2011; 6(2):157-162., DOI:10.3923/jeasci.2011.157.162
- Takiialddin AL Smadi, H Al-Wahshat: Design & Implementation Networks operation for ATM Technology-Based high Performance Computing..
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- Takiialddin Al Smadi: Design 3-D ultrasonic spatial mouse using microprocessor system. 09/2010; 31(5):955-971., DOI:10.1080/02522667.2010.10700005

- Takiialddin A. Al-Smadi, Yasir K. Ibrahim: Design of Speed Independent Ripple Carry Adder. Journal of Applied Sciences 06/2007; 7(6)., DOI:10.3923/jas.2007.848.854
- Khaldoon A Ghaidan, Takiialddin A Al Smadi, Tariq A K Aljumailly, Farouk M Al-Taweel: Development of a new approach for transmitting Digital message on a Frequency Limited Communication Channel transmission.
- Al Smadi, T. (2011). Computing simulation for traffic control over two intersections. J. Adv. Comput. Sci. Technol. Res, 1, 10-24.
- Al-smadi Takiialddin. "Learning to Computer Architecture Courses Using Verilog Hardware Description Language (VHDL)." Egyptian Computer Science Journal 31.3 (2009).
- Yahya S. H. Khraisat¹, Huthaifa A. Al-Issa², Al Smadi Takiialddin³ and Taqwa Al-Khasawneh, Design Tunable Filter-Antennas for Cognitive Radio Applications, Contemporary Engineering Sciences. Vol. 10, , No. 5, 233 - 242
- Khaldoon A. Ghaidan, Takiialddin A. Al Smadi, Tariq A.K.Aljumailly, Farouk M Al-Taweel, Development of a new approach for transmitting Digital message on a Frequency Limited Communication Channel transmission, Journal of advanced science and Technology research (JACSTR) Vol 1, No 1 2011

Regards prof. Takiialddin

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