

## Dr. Intisar Al Sayed



### Personal Information

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Name: Dr.Intisar A.M. Al Sayed Al Shummari

Rank: Associate Professor

Qualifications:

- PhD Control and Computer Engineering/ University of Technology-Iraq (2000)
- MSc Electronic and Communication Engineering/ Al Nahrain University-Iraq (1993)
- BSc Control and Systems Engineering/ University of Technology-Iraq (1986- Rank 1)

Email: [intisaralsaid@gmail.com](mailto:intisaralsaid@gmail.com) ; [intisaralsaid@yahoo.com](mailto:intisaralsaid@yahoo.com)

Mobile: 00962796683110 (Jordan) and 009647709849169 (Iraq)

Personal Accounts:

ORCID <https://orcid.org/0000-0002-3643-1465>

Publons <http://publons.com/researcher/3599708/intisar-al-sayed>

[Scopus Author ID: 42961036400](#)

## Degrees

- B.Sc. (1986) in Control and Systems Engineering.  
Department of Control and Systems Engineering/ University of Technology/ Baghdad-Iraq.  
**Rank:** First student on the department. (3rd on the university)
- M.Sc. (1993) in Electronics and Communication Engineering.  
Department of Electronics and Communication Engineering/ College of Engineering, Al-Nahrane University (Saddam University)/ Baghdad-Iraq.  
**Thesis Title:** Design of High Frequency OTA-C Filters Utilizing Optimization Techniques.
- Ph.D. (2000) in Control and Computer Engineering,  
Department of Control and Systems Engineering/ University of Technology/ Baghdad-Iraq. Average is very good.  
**Thesis Title:** Genetic Algorithms-Based Intelligent Control

## Work Experience

- 15<sup>th</sup> March 2021-now: Ashur University College; Department of Medical Instruments Engineering; Baghdad-Iraq
- October 2018-March 2021: Computer Engineering Techniques, Al Nukhba College University-Baghdad/Iraq.( Head of department from October 2020-March 2021; Director of the Scientific Affairs Unit from Oct 2019-Feb 2021)
- Feb 2018-July 2018: Computer Engineering Dept., Faculty of Information Technology, Imam Ja'far Al Sadiq University–Baghdad/Iraq
- Oct 2014-Sept 2017: Academic on Software Engineering Dept. Isra University-Amman/Jordan
- Oct 2013-Oct 2014: Academic on the new department (Computer Networks Dept.).
- Oct 2010-Oct 2013: Head of Software Engineering Department and Head of Basic Sciences Department. (Main achievements: Establish and open the MSc. Program in SE dept. (including all accreditation requirements), Extend the SE department capacity to 425 (to double), Make the requirements of the new faculty building).
- Feb2004 –Sept 2017: Associate professor at Al-Isra Private University, Faculty of Information Technology, Amman-Jordan.

## Committees

- Regulations of Practical subjects and Lab Manuals committee (head)

- Scientific committee
- Library committee (head)
- Quality assurance committee.
- Students Disciplining Regulations
- Improving students' performance
- MSc. course plan & description. (head).
- Postgraduate program committee.
- Graduating projects (head),
- Curriculum committee including study and supervisory plans (head)  
(CS dept. before 2010 and SE dept. both undergraduate and postgraduate studies)
- Learning Environment Committee (head),
- Academic advisor for graduate students (head),
- QA Committee (member),
- Academic Promotion Committee (member).
- Requirements of new Faculty Building (university level-head)
- Physics Lab Instruments and Devices (head)
- Tenders for fingerprint devices (head)

- Sep.2000-Feb2004:

-Head of Control Systems Engineering dept./ University of Technology (UOT), Iraq-Baghdad

-Lecturer (for undergraduate and post-graduate studies) at the Control & Computer Engineering Department,

-External lecturer/The Department of Software Engineering/ University of Technology.

-The subjects are Control Engineering, Microprocessor, Computer Architecture, Software Engineering, Computer Control and Intelligent Control.

-2002-Feb 2004: Head of Mechatronics Engineering dept./ UOT

-External consultant at Al-Rafidain Company /The Ministry of Electricity.

**-Prize: 1998** Awarded by the Ministry of Higher education in Iraq/ Central examination/ as best academic in Iraqi universities (for teaching: computer control for graduate for students).

- Sep.1996-2000: Lecturer and Ph.D student at the department of Control and Systems/ University of Technology/ Baghdad-Iraq.

- Sep.1994-1995: An external lecturer at Electronics & Communication Engineering Department/ College of Engineering/ Al-Nahrain University. The subject was Structured Programming in Pascal (with lab) and Supervisor on microprocessor lab.

- Sept 1990-Feb 1993: Engineer at the Department of Control and Systems/ University of technology.
- Sept 1990-Feb 1993: M.Sc student at the Faculty of Engineering/Dept. of Electronic and Communication Engineering; /Al-Nahrain University.
- Sep. 1991-June1992: An external lecturer at the department of Computer Science/ College of education/ Al-Mustansirya University/Baghdad-Iraq. The Subject is Computer Architecture.
- Jan.1987-Sep.1990: Working as an engineer at the department of Control & Systems Engineering. /University of Technology. (Teaching assistant, Labs supervisor and tutorial lecturer. Tutorial Subjects: microprocessor and advanced control)

### **Published Papers**

- 1) Haider Abdulshaheed, Intisar A.M. Al Sayed, Thuria Saad Znad, Jamal Fadhil Tawfeq, Ahmed Dheyaa Radhi, Hassan Muwafaq Ghani; “A Review of WBAN Intelligent System Connections for Remote Control of Patients of COVID-19”; 3<sup>rd</sup> International Conference of Advanced Computing and Informatics ICANCIN 15-16 October 2022. (Accepted, Scopus, Springer Book, ISI Proceeding) <http://www.icaci-conf.com/ICACIN22/#About> Morocco
- 2) Haider Abdulshaheed, Sura Abdulmunem Al Juboori, Intisar A.M. Al Sayed, Israa Al Barazanchi, Hassan Muwafaq Ghani, Zahraa A. Jazz; “Research on optimization strategy of medical data information security and privacy”; 9th International Conference on Electrical Engineering, Computer Science and Information (EECSI 2022); 6-7 October 2022; Jakarta Indonesia; IEEE Indonesia Section
- 3) Zahraa Fayeeg Tawfeeq, Intisar A.M. Al Sayed, “DAG classification based on hybrid swarm algorithms and deep learning”; Frontiers of Computer Science; Issn: 9059-2228; (Accepted; Scopus Q1 Journal)
- 4) Intisar A.M. Al Sayed, Azhar M.Kadim, Aseel B. Alnajjar, Hassan Muwafaq Ghani; “ Survey on Hardwritten Recognition”; International Symposium on Multidisciplinary Studies and Innovative Technologies ISMSIT 2022 in Ankara Turkey. (Accepted, Scopus, Inspec and Google Scholar indexed)
- 5) Zahraa Fayeeg Tawfeeq, Intisar A.M. Al Sayed, “Task Scheduling Based on Hybrid Swarm Optimization and Proposed Deep Learning”; The Computer Journal); issn: 00104620, 14602076 (accepted, Scopus Q2 Indexed Journal)

- 6) Y. Niu, S. I. Kadhem, I. A. M. Al Sayed, Z. A. Jaaz, H. M. Gheni and I. Al Barazanchi, "Energy-Saving Analysis of Wireless Body Area Network Based on Structural Analysis," *2022 International Congress on Human-Computer Interaction, Optimization and Robotic Applications (HORA)*, 2022, pp. 1-6, doi: 10.1109/HORA55278.2022.9799972. (ieeXplore indexed)
- 7) Intisar A.M. Al Sayed and Nedhal A. Al-Saiyd; "The Impact of Information and Communication Technology on Medical Teaching and Learning Environment"; *IJCSNS International Journal of Computer Science and Network Security*, VOL.20 No.8, pp. 145-151, August 2020 ISSN / eISSN: 1738-7906
- 8) Intisar A. Al Sayed, Nedhal A. Al Saiyd and Dheyaa S. Al Obaidi, "The impact of Information Technology in Medical Education", *International Conference in Technological Trends in Engineering and Medical Sciences ICTTEMS*, Baghdad/Iraq, 24-25 April 2019.
- 9) Nedhal A. Al-Saiyd , Mona Al Samarraii , Intisar A. Al-Sayed, , "A MULTI-AGENT SYSTEMS ENGINEERING FOR SEMANTIC SEARCH OF REUSE SOFTWARE COMPONENTS", *International Journal of Computer Science Issues*; 11(6):81-88, 2014. [www.IJCSI.org](http://www.IJCSI.org) ISSN (Print): 1694- 0814 | ISSN (Online): 1694-0784
- 10) Nedhal A. Al-Saiyd, Intisar A. Al-Sayed , "A Generic Model of Student- Based Adaptive Intelligent Web-Based Learning Environment", *World Congress on Engineering 2013 (WCE 2013)*, Conference proceeding published by IAENG (ISBN: 978-988-19251-0-7), <http://www.iaeng.org/WCE2013/>, 3-7 July 2013 London 2013.
- 11) Nedhal A. Al-Saiyd, Adel H. Mohammad, Intisar A. Al-Sayed, Muna F. Al-Sammarai, "Distributed Knowledge Acquisition System for Software Design Problems", *European Journal of Scientific Research*, Vol. 62, Issue 3, pp. 311-320, October 2011. [http://www.eurojournals.com/EJSR\\_62\\_3.htm](http://www.eurojournals.com/EJSR_62_3.htm)
- 12) Nedhal A. Al Saiyd and Intisar A. Al Sayed, "Multimedia Distance Learning System for Higher Education Students", *ICDIPC 2011, Part I, CCIS 188*, pp. 356-367, Springer-Verlag Berlin Heidelberg 2011 **Print ISBN 978-3-642-22388-4 Online ISBN 978-3-642-22389-1**

### **Book Chapter**

#### **Digital Information Processing and Communications**

Volume 188 of the series **Communications in Computer and Information Science**  
pp 356-367

- 13) Nedhal A. Al Saiyd and Intisar A. Al Sayed, "Multimedia Distance Elearning System for Higher Education Students", *The International Conference on Digital Information Processing and Communications*, VSBTechnical University of Ostrava, Czech Republic, July 7-9, 2011, <http://www.sdiwc.net/public/cz/public/>

- 14) Nedhal Al Saiyd, Intisar A. Al Said and Ahmed H. Al Takrori, "Semantic- Based Retrieving Model for Reuse Software Components", IJCSNS International Journal of Computer Science and Network Security, VOL.10 No.7, July 2010.  
[http://paper.ijcsns.org/07\\_book/201007/20100718.pdf](http://paper.ijcsns.org/07_book/201007/20100718.pdf)
- 15) Nedhal Al Saiyd, Intisar Al Said and Afaf Al Neaimi, 'Towards an Ontological Concepts for Domain-Driven Software Design', First International Conference on 'Networked Digital Technologies (NDT 2009), (technically co-sponsored by IEEE Communications Society), Ostrava, The Czech Republic, July 29 - 31, pp.127-131, 2009  
<http://arg.vsb.cz/ndt2009/>
- 16) Intisar A.Majied Al-Said, Nedhal Al-Saiyd, and Firas Turki Attia, 'Multiprocessor Scheduling Based on Genetic Algorithms', The International Arab Conference on Information Technology (ACIT'2008), Sfax, 16-18 Dec 2008, Tunisia. [www.acit2k.org](http://www.acit2k.org)
- 17) Intisar A.M. Al-Said, Omar F.Lutfy and Ahmed Ibrahim, ' Design of A Neuro-Controller for A Crane Based on Genetic Algorithms', Engineering & Technology, Vol.23, No.9, pp.447-456, 2004.
- 18) Intisar A.M. Al-Said, Omar F.Lutfy and Ahmed Ibrahim, 'Structure Optimization of Neuro-Controller Using Genetic Algorithms Based on Model-Reference Adaptive Control System', Engineering & Technology, Vol.23, No.4, pp.169-180, 2004.
- 19) Intisar A.M. Al-Said, 'A Transformation Method Utilizing EX-OR on the Minimization of Boolean Functions', Engineering & Technology, No.1, Vol.22, 2003.
- 20) Intisar A.M. Al-Said, Mazin Z.Othman, Munqith A.Baker and Omar F.Lutfy, 'Genetic Algorithms-Based Fuzzy Neural Controller for Dynamic Systems', The 3rd Iraqi Engineering Conference in Computer, Communication, Control and Systems, Baghdad-Iraq, pp.255-263, December 2002.
- 21) Intisar A.M. Al-Said, Munqith A.Baker and Firas T.Attia, 'Genetic Algorithms–Aided Process Planning and Scheduling', The 3rd Iraqi Engineering Conference in Computer, Communication, Control and Systems, Baghdad-Iraq, pp.71-78, December 2002,
- 22) Intisar A.M. Al-Said, Kais B. Merza, Munqith A.Baker and Ahmed Ibrahim, 'Genetic Model- Reference Adaptive Control System Incorporating Neuro- Controller', CATAEE2002, Amman-Jordan, pp.710-720, 2002
- 23) Intisar A.M. Al-Said, Munqith A.Baker and Faten M.Ali, 'Identification of Control Systems Using Recurrent Neural Networks and Genetic Learning', Engineering & Technology, No.2, Vol.21, pp.119-131, 2002.

- 24) Intisar A.M. Al-Said, Kais B. Merza, Munqith A.Baker and Ahmed Ibrahim, 'Genetic Model-Reference Adaptive Control System Incorporating Neuro-Controller for Gas Turbine', Engineering & Technology, No.12, Vol.20, pp.160-175, 2000.
- 25) Mahir R.A., Othman M.Z. and Al-Said I.A.M., 'Tuning of PID Controllers Using Genetic Algorithms', 3rd International Conference on Computational Aspects and Their Application in Electrical Engineering (CATAEE99), Jordan, pp.85-92, October 1999.
- 26) Naima F.M. and Al-Said I.A.M., 'Design of high Frequency OTA-C Filters Based on an Optimization Procedure', The 11th Iraqi Scientific and Engineering Conference, Electrical engineering, Baghdad-Iraq, November 1993.

### **Reviewer**

1. The 2022 Iraqi International Conference on Communication and Information Technologies (IICCIT'2022). This conference is organized by University of Basrah and is technically sponsored by IEEE Iraq Section in (7th – 8th) September 2022.
2. AJSE Journal (Elsivier)
3. Minar conference Turkey 2022
4. 2020 18<sup>th</sup> IEEE Student Conference of Research and Development (SCOReD 2020) on Sept 27-29<sup>th</sup> 2020 Universiti Tun Hussein Onn Malaysia (UTHM)
5. 1<sup>st</sup> International Conference on Advanced Research in Pure and Applied Science; College of Science; Al Muthanna University; AIP Publishing; certificate issued 2<sup>nd</sup> Feb 2021
6. ICSECS'19, 6<sup>th</sup> Int conf in computer systems and software engineering 25-27<sup>th</sup> sept Malaysia (EasiChair)
7. International Conference in Technological Trends in Engineering and Medical Sciences ICTTEMS, Al Nukhba College University, Baghdad/ Iraq 24-25 April 2019 (Conference Chair and Scientific Committee)
8. Scientific Conference in Computer Science UoT, Baghdad/Iraq, March 2019
9. Arabian Journal for Science and Engineering, 2017  
<https://www.editorialmanager.com/ajse/default.aspx>
10. IAJIT Editorial Board member- Active reviewer since 2016.  
<http://ccis2k.org/iajit/>
11. PC of 7th international conference of computer science and information technology which is technically co-sponsored by IEEE computer society. for more information please visit:  
<http://csit.asu.edu.jo/csit2016/>

12. Program committee, (ACIT'2015) The 16th International Arab conference on Information Technology, December 15th-17th 2015 Isra University, Amman-Jordan, (Reviewer and session chair, “Session 7: Software Engineering”)
   
<http://www.acit2k.org/ACIT/images/stories/ACIT2015/2015.pdf>
  
<http://acit2k.org/ACIT/index.php/technical-committee>
13. The International Arab Journal of Information Technology (IAJIT)-technical committee, 2014-now
   
[http://ccis2k.org/iajit/?option=com\\_content&task=view&id=924&Itemid=377](http://ccis2k.org/iajit/?option=com_content&task=view&id=924&Itemid=377)
14. The International Conference on Digital Information Processing and Communications, VSB-Technical University of Ostrava, Czech Republic, July 7-9, 2011, <http://www.sdiwc.net/public/cz/public/>
15. The International Conference on Informatics Engineering & Information Science (ICIEIS2011), University Technology Malaysia, Malaysia Nov. 14-16, 2011 <http://www.sdiwc.net/kl/index.php>
16. World Academy of Science, Engineering and Technology Scientific Committee and Editorial Review Board,
   
<http://www.waset.org/search.php>

### **Scientific Assessment:**

1. Scientific Assessment for Master Thesis Computer Science Department; University of Technology; October 2022)
2. Scientific Assessment for Master Thesis (Computer Science-IT Institute of Informatics higher studies- The University of ITC- October 2022)
3. Scientific Assessment for Master Thesis (Control and Systems Engineering Department-University of Technology; 18<sup>th</sup> March 2021)
4. Scientific Assessment for Master Thesis ( Engineering College; Al Mustansirya University 6<sup>th</sup> Sept 2020)

### **MEMBERSHIP**

- IEEE member (Affiliate, Communication Society R8 2011, Control Society, Computer Society 2012-2017)
- Iraqi Engineers Society (since 1986)
- Iraqi Teachers Society (since 1986)

### **SUBJECTS TAUGHT:**

- 2018-2019 Iraq-----
  - Computer Organization
  - Microprocessor
- 2018 Iraq -----



- Computer Networks
- Electronics

----- 2004-2017 Jordan-----

- Software Documentation
- Software Design and Architecture
- Elective Topics in SE 2 (Introduction to cloud computing)
- Software Testing and Metrics (for MSc SE students)
- Operating Systems,
- Logic Design (with logic lab),
- Computer Architecture,
- Software Engineering Fundamentals,
- Object-Oriented Software Engineering + Lab manual on OOSE 2017 (Author)
- Software Testing and measurements (postgraduate students)
- Graduate project for SE students
- Distributed Systems
- Computer Design and Organization
- Visual Programming (in JAVA)
- Matlab
- Assembly Language (for 8086 with lab),
- System Programming,
- Programming Fundamentals (in Java)
- OOP in java (with lab),
- Data Structures (with lab in Java),
- Graduate project for CS students
- Information Security,
- Communication Skills,
- Computer Skills for IT Students (in C language)
- Computer Skills for non-IT Students (in VB6)
- Graduating Projects (for undergraduate)

In Iraq (before 2004) the following subject been taught:

- C Language, PASCAL Language,
- Control systems II (with lab), Microprocessor
- (8085 and 8086 with lab),
- Computer Control Systems (with lab),
- Computer Organization,
- Software Engineering,
- Intelligent Systems (for MSc students),
- Operating Systems (for MSc Students).

- Thesis supervision on postgraduate studies (in Iraq)

### **Knowledge of Languages**

Arabic and English (spoken & written)

### **MSC STUDENTS 5 (all in Iraq)**

Ahmed Ibrahim

Faten Mohammed Ali

Ahmed Abdul Karim

Omar Farouq

Firas Attia

+ 2 who I started with them before Feb 2004. (Ali + Husam).

**HOBBIES** Reading, walking.

### **Research Interests**

- e-Learning,
- Soft computing, neural and neuro-fuzzy nets, genetic algorithms,
- Intelligent systems,
- Task scheduling,
- Intelligent Control,
- E-learning.
- Software design.

Last Updated: 3<sup>rd</sup> August 2021