



Curriculum Vitae

Noorulden Basil Mohamad

Mustansiriyah University – College of Engineering – Electrical Engineering Department

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PERSONAL SUMMARY:

- Teaching assistant and the level of assistant lecturer and former lecturer in the Computer Techniques Engineering Department at Al-Esraa University College with a total of 7 years of experience in teaching, in addition to helping in preparing plans for administering exams with the ministerial team at the esteemed Ministry of Higher Education and Scientific Research.

EDUCATION:

- Ph.D. #1: Electrical and Computer Engineering from Altinbas University – Turkey.
- M.Sc. #2: Electrical and Computer Engineering from Altinbas University – Turkey.
- B.Sc. #3: Computer Techniques Engineering from Al-Esraa University College – Iraq.

ACADEMIC HONORS AND AWARDS:

- #1: Classified within the ad-scientific index for lecturers and scientists in Iraq, ranked 484 in Iraq.
- #2: Editor-in-Chief of two scientific journals.
- #3: Associate editor for 9 journals within Scopus and Clarivate journals.
- #4: Scientific reviewer for 18 certified journals within Scopus and Clarivate journals.

ACADEMIC /TEACHING EXPERIENCE:

- #1: Computer Networks Fundamentals.
- #2: Electronic.
- #3: Computer Organization.
- #4: Microprocessor Architecture.
- #5: Control Engineering Fundamentals.

COURSES TAUGHT:

Undergraduate	Graduate
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PROFESSIONAL AFFILIATIONS:

- Member at IEEE American organization.
- Member of the Iraqi Engineers Syndicate with the level of practitioner.
- Certified Member at ELSEVIER publisher.

PUBLICATIONS:

- Towards evaluation of the PID criteria based UAVs observation and tracking head within resizable selection by COA algorithm.
- Evaluation of autonomous underwater vehicle motion trajectory optimization algorithms.
- Jaya optimization algorithm implemented on a new novel design of 6-DOF AUV body: a case study.
- Automation intelligence photovoltaic system for power and voltage issues based on Black Hole Optimization algorithm with FOPID.
- A new thrust vector-controlled rocket based on JOA using MCDA.
- Improve DC Motor System using Fuzzy Logic Control by Particle Swarm Optimization in Use Scale Factors.
- Design of WiMAX Network for Istanbul Universities With OPNET
- A New Novel Optimization Techniques Implemented on the AVR Control System using MATLAB-SIMULINK
- Enhance of the Steering Control System for Electric Golf Cart Using MATLAB with FOPID
- Design and Implementation of multilevel security based home management system.
- Rider Optimization Algorithm implemented on the AVR Control system using MATLAB with FOPID.
- Optimum AP Estimation Location for the communication of different mmWave bands.
- Design and Implementation of Motor Speed Control Model by using PLC.
- Design and Implementation of Water Level Tank Model by using SCADA System.
- Implementation method for Wireless Signal Transfer Using Wincc and Smart Server in SCADA system.
- Control Engineering with MATLAB at LAP Lambert Academic Publishing – BOOK.
- Design and Implementation of Chirp Fiber Bragg Grating for Long Haul Transmission System using Opti-system.
- Implementation of Microstrip Patch Antenna using MATLAB.
- Design and Implementation of 200 G Passive Optical Network.
- Implementation of the parallel robot using FOPID with fuzzy type-2 in use social spider optimization algorithm.
- Implementation enhancement of AVR control system within optimization techniques.
- Enhancement of Electro Hydraulic Position Servo Control System Utilising Ant Lion Optimiser.
- Optimization and Enhancement of Charging Control System of Electric Vehicle Using MATLAB SIMULINK.
- Implement Image Encryption on Chaotic and Discrete Transform Domain Encryption.
- Distortion Detection for Multi Class Barcode using Fine Localization with Image Recognize.
- Execute Image Processing by using FPGA Acceleration.
- Review on Chaotic Theory using DNA Encoding with Image Encryption.
- Enhancement of Similarity for Image Segmentation.
- Face Recognition with Real-Time Framing Based on Multi Task Convolutional Neural Network: A Case Study.
- PID Controller with Robotic Arm using Optimization Algorithm.
- Design and Simulation of a Compact Metal-Graphene Frequency Reconfigurable Microstrip Patch Antenna with FSS Superstrate for 5G Applications.
- Simulation and Optimization of Rectangular Microstrip Patch Antenna for Mobile 5G Communications.
- NB Theory with Bargaining Problem: A New Theory.
- Design and Analysis of 50 Channel by 40 Gbps DWDM-RoF System for 5G Communication Based on Fronthaul Scenario.
- Exploring Blockchain Data Analysis and Its Communications Architecture: Achievements, Challenges, and Future Directions: A Review Article.

PROFESSIONAL DEVELOPMENT

Signature Head of Department

أ.م.د. ياسين يوسف محمد
رئيس قسم الهندسة الكهربائية

Signature Vice Dean

الأستاذ المساعد الدكتور
مبارك محمد العبدالله
مبارك محمد العبدالله
مبارك محمد العبدالله

السيرة الذاتية

نورالدين باسل محمد

الجامعة المستنصرية – كلية الهندسة – قسم الهندسة الكهربائية

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ملخص تعريفي:

- معيد وتدرسي بمرتبة مدرس مساعد ومدرس سابقاً في قسم هندسة تقنيات الحاسوب في كلية الاسراء الجامعة الاهلية وحاصلة 7 سنوات في التدريس فضلاً عن المساعدة في اعداد الخطط لإدارة الامتحانات مع الفريق الوزاري لذي وزارة التعليم العالي والبحث العلمي الموقرة.

الشهادات الدراسية:

- #1: Ph.D. دكتوراه في الهندسة الكهربائية والحاسبات من جامعة التون باش – تركيا.
- #2: M.Sc. ماجستير في الهندسة الكهربائية والحاسبات من جامعة التون باش – تركيا.
- #3: B.Sc. بكالوريوس في هندسة تقنيات الحاسبات من كلية الاسراء الجامعة الاهلية.

الجوائز والتكريم الأكاديمي

- #1: مصنف ضمن تصنيف ad-scientific index عن التدريسيين والعلماء في العراق بمرتبة 484 على مستوى العراق.
- #2: رئيس تحرير مجلتين علميتين ضمن المجلات العلمية المحكمة.
- #3: محرر مساعد في 9 مجلات ضمن مستويات سكوبس وكلافيت.
- #4: مقيم علمي في 18 مجلة محكمة ضمن مستويات سكوبس وكلافيت.

الخبرة الأكاديمية والتدريس:

- #1: أسس شبكات الحاسوب
- #2: الكترونيك
- #3: تركيب الحاسوب
- #4: معمارية المعالج الدقيق
- #5: أسس هندسة سيطرة

المقررات الدراسية التي تم تدريسها:

الدراسات العليا	الدراسات الأولية
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الانتساب المهني او الجمعيات:

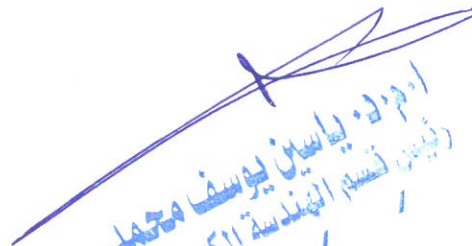
- عضو فعال في مؤسسة IEEE الامريكية
- عضو في نقابة المهندسين العراقيين بمرتبة ممارس
- عضو معتمد في دار نشر ELSEVIER

المنشورات العلمية

- Towards evaluation of the PID criteria based UAVs observation and tracking head within resizable selection by COA algorithm.

- Evaluation of autonomous underwater vehicle motion trajectory optimization algorithms.
- Jaya optimization algorithm implemented on a new novel design of 6-DOF AUV body: a case study.
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 الأستاذ المساعد الدكتور
 محمد جمال الدين محمد
 تمارين المحاضر المساعد
 توكيع


 أ.م.د. ياسين يوسف محمد
 رئيس قسم الهندسة الكهربائية
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تطوير المهارات:

توقيع رئيس القسم