**Curriculum Vitae \_ Ali Albu-Rghaif**

**Personal Information .**

Academic degree: **Assist Prof.**

**Scopus ID:** 55613438200

**Researcher ID:** O-2759-2016

**ORCID :** 0000-0003-4463-872X

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Birth Date & Place: December, 23, 1975 – Iraq

Nationality: Iraqi

Mobile: Iraq\ +964775394350

Email: [ali.alburghaif@engineering.uodiyala.edu.iq](mailto:ali.alburghaif@engineering.uodiyala.edu.iq) and [ali.alburghaif@yahoo.com](mailto:ali.alburghaif@yahoo.com)

Website: [www.uodiyala.edu.iq](http://www.uodiyala.edu.iq)

Postal address: Department of Computer Engineering, College of Engineering, Diyala University, Baquba City, Diyala Governorate, ZIP 32001, Iraq.

**Professional Strength and Skills .**

* Very effective in GNSS (GPS, Galileo and GLONASS) systems, Digital Signal & Image Processing, Computer Networks, C++ & Matlab Programming.
* Wide theoretical knowledge in most subject of Computer Science such as Operating Systems, Information Theory, Data Structure, Microprocessor and Computers Security.

**Educational Qualifications .**

* **Ph.D.** Applied Computing 2015 The University of Buckingham -UK.
* **Ms. C.** Computer Science 2004 Al-Rasheed College – University of Technology -Iraq.
* **B.Sc.** Electrical and Electronic Engineering 1993-1998 Al-Rasheed College – University of Technology –Iraq.

**Memberships and Academic positions .**

* Head of Computer Engineering Department - College of Engineering – Diyala University from 2016 to 2018.
* Member of Computer Engineering Staff since 2006.
* Member of Iraqi Engineers Union (IEU) since 1998 till now.

**Training and Courses .**

* Methods of Teaching Course for one month in University of Technology – Iraq - 2005.

**Languages .**

* English: Speaking and Writing (Excellent)
* Arabic: Mother tongue.

**Employment History (Academic & Technical) .**

**Diyala University – College of Engineering (2006 – till now)**

Location: Diyala – Iraq

Position: Head of Computer Engineering Department.

Academic degree: **Assist Prof**

Description: Teaching Operating System for the third stages.

**University of Technology – Al-Rasheed College (1998 – 2006)**

Location: Baghdad – Iraq

Position: Lecturer

**Al-Jazeera Telecom For Internet and Telecommunications (2004 – 2006)**

Location: Baghdad – Iraq

Position: Professional Installation Engineer in Computer networks design and installation Vsat systems

installation, High experience in VSAT Gateway’s installation & applications and Wireless and wired

network installation.

**Sales & Maintenance Support (1998 – 2004)**

Location: Baghdad – Iraq

Position: Working as a Computer Salesman/Maintenance Assistant to support sales and Hardware and

Software maintenance of PCs.

**Reviewer and referee**

Reviewer and referee in:

1. Diyala Journal of Engineering Sciences.
2. IEEE Conferences
3. The Institute of Navigation (ION) Journal and Conferences
4. Periodica Polytechnica Electrical Engineering and Computer Science Journal

**Published Research Papers .**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Title of research | Journal name | Publisher or hosting | ISSN |
| 1 | GCSR: A GPS Acquisition Technique using Compressive Sensing enhanced implementation | International Journal of Engineering and Innovative Technology, (IJEIT) | Published by IJEIT Journal | 2277-3754 |
| 2 | Balancing Compression and Encryption of Satellite Imagery | International Journal of Electrical and Computer Engineering (IJECE) | Published by [Institute of Advanced Engineering and Science (IAES)](https://www.scimagojr.com/journalsearch.php?q=Institute%20of%20Advanced%20Engineering%20and%20Science%20(IAES)&tip=pub) | 2088-8708 |
| 3 | Design an Adjustable Narrow Correlator to Track GPS Signals | Periodica Polytechnica Electrical Engineering and Computer Science | Published by Periodica Polytechnica Electrical Engineering and Computer Science | [2064-5279](http://www.worldcat.org/search?q=2064-5279) |

**Conferences .**

|  |  |  |  |
| --- | --- | --- | --- |
| **No** | **Conference** | **Paper title** | **Proceeding or journal name** |
| 1 | The 4th International Congress, Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT) | GPS, Galileo and GLONASS L1 signal detection algorithms based on bandpass sampling techniques | IEEE |
| 2 | IEEE International Conference, Microwaves, Communications, Antennas and Electronics Systems (COMCAS) | DCSR: A dynamic channel and resolution sampling for a Compressive Sensing receiver to acquire GPS signals | IEEE |
| 3 | IEEE International Conference, International Conference on Network Computing and Applications (ICNCA) | Novel Dictionary Decomposition to Acquire GPS Signals Using Compressed Sensing | IEEE |
| 4 | The 3rd Computing, Communication and Information Technology (CCIT) conference | Galileo Signals Acquisition Using Enhanced Subcarrier Elimination Conversion and Faster Processing | SEEK Digital Library |
| 5 | The 3rd Computing, Communication and Information Technology (CCIT) conference | OGSR: A Low Complexity Galileo Software Receiver using Orthogonal Data and Pilot Channels | SEEK Digital Library |
| 6 | The 28th International Technical Meeting of The Satellite Division of the Institute of Navigation (ION GNSS+ 2015) | CSSR: a 2FOR1 Compressive Sensing Software Receiver with combined correlation for GPS-CA and Galileo-OS signals | The Institute of Navigation |
| 7 | The 28th International Technical Meeting of The Satellite Division of the Institute of Navigation (ION GNSS+ 2015) | A Single Acquisition Channel Receiver for GPS L1CA and L2C Signals Based on Orthogonal Signal Processing | The Institute of Navigation |
| 8 | 2018 1st International Scientific Conference of Engineering Sciences-3rd Scientific Conference of Engineering Science (ISCES) | [A data structure encryption algorithm based on circular queue to enhance data security](https://ieeexplore.ieee.org/abstract/document/8340522/) | IEEE |
| 9 | 2018 Third Scientific Conference of Electrical Engineering (SCEE) | [Audio Security Based on LSB Steganography and 4-D Lü System](https://ieeexplore.ieee.org/abstract/document/8684213/) | IEEE |
| 10 | Proceedings of the 2018 International Technical Meeting of The Institute of Navigation, ITM 2018 | Acquisition of 3 GNSS signals of GPSL1CA, GPSL1C and GalileoE1OS simultaneously in a single processing chain that halves processing and battery power | The Institute of Navigation |
| 11 | 2nd-International Scientific Conference of Engineering Sciences (ISCES 2020), University of Diyala, College of Engineering, Iraq | An Enhancement Coherent Code Discriminator for Tracking GPS Signal | IOP Publishing |

**For more information visit the following links of Social and Scientific media**

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| SCOPUS | https://www.scopus.com/authid/detail.uri?authorId=55613438200 |
| Research Gate | https://www.researchgate.net/profile/Ali\_Alburghaif |
| Acadimeca.edu | https://uodiyala.academia.edu/AliAlbuRghaif |
| Google Scholar | https://scholar.google.com/citations?user=v3v9Zg4AAAAJ&hl=en |
| Linkedin | https://www.linkedin.com/in/dr-ali-albu-rghaif-333ab173/ |

Publons  https://publons.com/author/1218719/ali-albu-rghaif#profile