SU
SINAI UNIVERSITY

Curriculum Vitae

Name: Khaled Mostafa Reda Hasona

Title: Lecturer

Department: Information Technology

E-mail: khaled.mostafa@su.edu.eg

A) Academic Qualifications:

- **Bachelor's Degree in** Computer Engineering   **University:** Military Technical College   **Year:** 1993.

- **Master's Degree in** Electrical Engineering   **University:** Military Technical College   **Yea**r: 2000.

- **Ph.D. in** Electrical Engineering   **University:** Military Technical College   **Year:** 2008.

• Other Qualifications:

Postdoctoral Research – Image Enhancement for SAR and Medical Images, Western Ontario University, 2012

B) Academic promotions:

- Assistant Lecturer,   Date: 2005

- Lecturer,   Date:2009

C) Scientific Merit:

- Google Scholar: https://scholar.google.com/citations?user=vTQkrRkAAAAJ&hl=en

- Scopes ID; 60336433500

- ORCID –N 0000-0003-3708-014X

D) Academic Administrative Experiences:

- Head of Electrical and Electronic Group in Military Technical Institute of Armed forces. 2017-2020.

- Head of Information Technology Department, Faculty of Computer Science, Nahda University in Beni Suef 2022-2023.

- Head of Quality Assurance Unit, Faculty of Information Technology and Computer Science, Sinai University (Arish Branch), 2024 – Present.

E) Scientific Activities

1: Training Courses/workshops:

- VLSI-Based Communication Design Training – Arab Academy for Science and Technology (2003).

- Research Methodology Course (I4I) – Military Medical Academy (2016).

- Educational Institutions Management Course (2017).

- Exam Systems & Student Evaluation – National Quality Authority (2022).

- Multiple Technical Medical Equipment & Imaging Training Programs (2000–2013).

2: Conferences, Seminars and Workshops:

- ICEENG International Conference (1999, 2004).

- Al-Azhar Engineering International Conference (2000).

- SPIE Medical Imaging – USA (2012).

- IPC APEX EXPO – USA (2019).

- Arab Health – UAE (2021).

3: Teaching Scopes:

- Programming (C/C++, Python, OOP, Web).

- Digital Systems & Logic Design.

- Digital Signal Processing and Digital Image Processing.

- Databases.

- Electronics & Medical Instrumentation.

- Communication Systems.

- VHDL & Embedded Systems.

4: Scientific Mission:

- Postdoctoral Research Mission — Western Ontario University, Canada (2012).

5: Other Activities:

- Quality Assurance Leadership.

- Graduation Projects Supervision.

- Curriculum & Laboratory Teaching Development.

F) Scientific Publications:

-International journals

- "Optimal feature-based InSAR phase filtering framework using convolutional neural network and mathematical morphology," The Egyptian Journal of Remote Sensing and Space Sciences, 2026.

- National journals

- "Features Extraction of ECG Signals using Wavelet Transforms," Proceedings of the 2nd International Conference on Electrical Engineering (ICEENG), Military Technical College, Egypt, 1999.

- "Automatic Diagnosis for Different Arrhythmia Diseases using Wavelet Transforms," Al-Azhar Engineering Sixth International Conference (AEIC), Egypt, 2000.

- "2-D Discrete Wavelet Transform Architecture Based on Distributed Arithmetic FIR Filter Using FPGA Technology," Proceedings of the 4th International Conference on Electrical Engineering (ICEENG), Military Technical College, Egypt, 2004.

G) Quality Assurance in Higher Education:
- **QA Trainer**

- Participated in quality and student assessment training programs.

- **QA Managing Positions**

- Head of Quality Assurance Unit, Faculty of Information Technology and Computer Science, Sinai University (Arish Branch), 2024 – Present.

- **Training Attended**

- Course in exam systems and student evaluation for higher education institutions — National Authority for Quality Assurance of Education (2022).

- Course for managers of educational institutions — Vocational Education Administration (2017)

- Research Methodology Course (I4I) — Military Medical Academy (2016).

H) Skills

- Language Skills: English — Good / Professional working proficiency.

- Computer Skills: MATLAB – Proteus - FPGA & Xilinx Tools -Microcontroller Programming (AVR) - Arduino -C / C++ Programming - Python Programming -VHDL -Digital Signal Processing & Image Processing Tools.

- Presentation skills: Academic teaching presentations, conference presentations, technical training presentations.

Other skills: Quality assurance and accreditation activities -Graduation projects supervision- Laboratory and practical training management.