

Curriculum Vitae (CV)

Amaal Ashraf Fathy Abdel-Sadek



Personal Information:

Academic Rank: Assistant Professor

Department: Electrical Engineering

Specialization: Communication Engineering

Position: Assistant Professor in Electrical Engineering Department

Google Scholar: -----

Research Gate: Amaal Ashraf (researchgate.net)

ORCID Record: -----

Scopus ID: -----

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Education:

| Degree | Discipline | Institution | Year |
|--------|---|--|------|
| Ph.D. | Electronics and communication engineering | Zagazig university- faculty of engineering | 2021 |
| M.Sc. | Electronics and communication engineering | Zagazig university- faculty of engineering | 2014 |
| B.Sc. | Electrical engineering | Higher technological institute (HTI) | 2008 |

Academic Experience:

Institution: HTI

Rank: Assistance Professor

Dates: 2022

Institution: HTI

Rank: Research Assistant (Ph.D. student)

Dates: 2015

Institution: HTI

Rank: Teaching Assistant

Dates: 2009

Research interests:

- Optical fiber communication.
- Visible Light communication.
- Free Space Optical.
- Voice over internet protocol.
- Security.

Publications:

- Speech encryption applying a modified Blowfish algorithm
- Effect of fog and scintillation on performance of vertical free-space optical link from Earth to low Earth orbit satellite.
- Evaluation of Free Space Optics Uplink Availability to LEO Satellite Using Climatic Data in Cairo

Certifications or Professional Registrations:

- **Digital Transformation in Higher Education.**
- **Exam systems and student assessment for colleges and institutes of higher education.**
- **Strategic planning for colleges and institutes of higher education.**

Courses taught

- Antenna and Wave propagation.
- Microwave Engineering.
- Transmission Lines.
- Advanced Optical fiber communication.
- Computer skills.
- Measuring Lab.
- Electronic lab (1).
- Practical training (A).
- Practical training (B).
- Communication Lab.