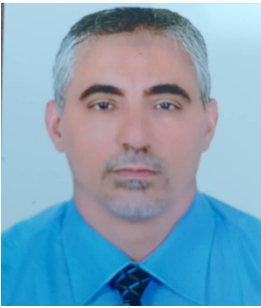


# Gebriel Ahmed Gannat

*Assistant Professor of Telecommunication — College of Industrial Technology, Misurata*

## A. Personal Details



Date of Birth:[xxxx]

Marital Status: Married

Nationality: Libya

Languages: Arabic , English

Contact:

Address: Libya - Misurata

## B. Academic Qualifications

Ph.D.: University of south wales , Year — Numerical Modelling of Optical Devices

M.Sc.: Manchester Metropolitan University , Year — Magnetic field

B.Sc.: Higher Institute of Electronics/ Beni Walid ----Telecommunication Engineering

## C. Employment History

[2000] – [2010]: [senior lecturer ] — [Uxbridge College for higher education ] — [London UK]

[2010] – [2023]: [ chair of Engineering, Division Chair ] — [ higher colleges of technology ] — [UAE ]

## D. Research Interests

- Optical devices
- Artificial intelligence

## E. Selected Publications

1. Gannat G.A., Obayya S.S.A.: 'Design considerations of power splitters based on optical T-waveguide junctions', Optics Communications, 2007, 277, pp. 93-102
2. G.A. Gannat D. Pinto S.S.A. Obayya, "New configuration for optical waveguide power splitters," IET Optoelectron., 2009, Vol. 3, Iss. 2, pp. 105–111 105
3. Gebriel A. Gannat, S.S.A. Obayya "New configuration For Compact Polarisation Beam Splitter. " (*Journal of Optical and Quantum Electronic*).
4. S.S.A. Obayya, and G. Gannat, "FDTD analysis of optical waveguide power splitters", International Computational Electromagnetic Time Domain (CEM-TD) Workshop, Perugia, Italy, Oct. 2007.

---

5. Obayya, S.S.A.; Gannat, G.A., "Design Considerations of Power Splitters based Optical T-Waveguide Junctions", Computational Electromagnetics in Time-Domain, 2007. CEM-TD 2007. Workshop on, Publication Year: 2007 , Page(s): 1 - 4
6. G.A. Gannat, and S.S.A. Obayya, "New Configurations for Efficient Optical Waveguide Power Splitters", Semiconductor and Integrated Optoelectronics, SIOE'08, Cardiff, April 2008.
7. G.A. Gannat, and S.S.A. Obayya, "Design Considerations For Compact Polarisation Beam Splitter", UK Semiconductor 2009 Conference, Sheffield, July 2009.
8. G. A. Gannat, S. S. A. Obayya. "New Design of Directional Polarising Beam Splitter", ECIO/OWTNM, Nottingham university, April 2010.

---

9. G. A. Gannat " Numerical Assessment of Finite Difference Time Domain (FDTD) and Complex-Envelope Alternating-Direction-Implicit Finite-Difference-Time- Domain (CE-ADI-FDTD) Methods" Computer Science and Information Systems (FedCSIS), 2011 Federated Conference on Publication Year: 2011 , Page(s): 255 – 260.

---

---

10. O Elayeb, Gebriel Gannat “ A Comprehensive Review of Artificial Intelligence Applications in Power System” North African Journal of Scientific (NAJSP) 3 (3), 71-80
11. W Algsaier, G Gannat “Artificial Intelligence in Nuclear Power Plants: A Comprehensive Review of Applications and Challenges” North African Journal of Scientific (NAJSP) 3 (3), 71-80.

## **F. Teaching and Supervision**

Undergraduate courses taught: .Electromagnetic theory , Analogue Electronics, Mathematics

Postgraduate supervision: Critical Studies in Electronics

## **G. Awards, Grants and Memberships**

- Award / Grant name — Year

- Membership / Role

## **H. Skills & Technical Competencies**

- Programming & software: ..C++, Matlap.

- Lab / field skills: ...VLSI Clean room Labs

## **I. References**

Available on request / list referees with contact details