

Curriculum Vitae

Personal Details

Name: Fathi Ali Alwafie

Nationality : Libyan

Date of Birth : 05-08-1968

Marital status : Married with five children

Email Address : fat.alwafie@sebhou.edu.ly

Academic Rank : Associated Professor

Address: Sebha University, Libya, Faculty of Engineering Science & Technology, dept. of Electronic & Electrical Eng.



Education

- **Ph.D 2009** Warsaw of Technology University, Poland
- **MS.C 1996** Warsaw of Technology University, Poland
- **BS.C 1989** Higher Institute of Electronic, Libya

Work Experience

- From 1990 to 1993 he worked for Libyan Airlines (Communications Engineer).
- 1997 / 2009 Worked in the Faculty of Electronic Engineering Department of electronic radio at Warsaw Technical University.
- Since 2010 Lecturer Sebha University, Libya
- 11-2010 / 09-2014 Head of Quality and Performance Assessment Department, Faculty of Engineering Science & Technology, Sebha University
- 12 - 2014/ 12 - 2016 Member of the Board of Directors of the General Authority for Communications and Informatics

- 02-2015 / 02-2016 Coordinator of the General Department of Engineering Departments, Faculty of Engineering Science & Technology - Sebha University
- 10 - 2016 Head of Electrical and Electronic Engineering Department, Faculty of Engineering Science & Technology, Sebha University
- 03 -2019 till now Postgraduate Coordinator, Department of Electronic Engineering - Sebha University

Research Interest

- Antenna Technology
- Radio and Mobile Communication
- Optical Communication

Research Activities

Member of International Scientific Committee Including:

- 1- ICCIT 2014 : 16th International Conference on Communication and Information, Tokyo, Japan, May 29 - 30, 2014
- 2- ICWCSN 2014 : 16th International Conference on Wireless Communication and Sensor Networks, Singapore, SG, September 11 - 12, 2014
- 3- ICCIT 2016 : 18th International Conference on Communication and Information Technology, Tokyo, Japan, Sept 05 - 06, 2016
- 4- ICEWCSN 2017 : 19th International Conference on Embedded Wireless Communication Systems and Networks, Vancouver, Canada, August 7 - 8, 2017
- 5- ICCITE 2017 : 19th International Conference on Communication and Information Technology and Engineering, Brisbane, Australia, April 3 - 4, 2017
- 6- ICMSAS 2018 : 20th International Conference on Mobile Systems, Applications and Services, Vienna, Austria, June 14 - 15 2018

Publications

- [1] F. Alwafie, "Analysis of radio wave propagation indoor environment inside building," *KST* 2000, B-3/9, pp. 200-206, Bydgoszcz, Poland, Sept 2000.
- [2] F. Alwafie, and T. Kosiło, "Characteristics of radio wave propagation inside building using ray tracing," *KKRRiT* 2001, pp.13.4.1-13.4.4, Poznań, Poland, 14-16 May 2001.
- [3] F. Alwafie, "Ray tracing model for estimating radiowave propagation characteristic inside building," *ICEAA* 2001, pp. 697-700, Torino, Italy, 10-14 Sept 2001.
- [4] F. Alwafie, "Analysis and Investigation of Wave Propagation by Using Ray tracing in Picocell Environment," *URSI*, X National Symposium of Radio Science, pp.98-103, Poznań, Poland, 14-15 Mar 2002.
- [5] F. Alwafie, "Using visible window image model for tracing 2.5D propagation paths inside building," *Accepted for publication in KKRRiT conference*, pp.413-416, Wrocław, Poland, 09-11 April 2008.
- [6] F. Alwafie, "Visible window image model of ray tracing technique for radio wave propagation," *Accepted for publication in MIKON conference*, Wrocław, Poland, 19-23 May 2008.
- [7] F. Alwafie, "2.5D Model Propagation Paths Inside Building Using Ray Tracing" *WASET* 2011, pp27-30
- [8] F. Alwafie, " Ray Tracing for Characterize the Radiowave Propagation at 1.9GHz and 2.4GHz Inside Building" *International Conference on Communications, Computing and Control Applications (CCCA'11)*, March 03-05, 2011. Hammamet, TUNISIA.
- [9] F. Alwafie, "Radiowave Propagation in Picocellular Environment Using 2.5D Ray Tracing Technique" *WASET* 2012, pp96-99
- [10] Ali. Ukasha and F. Alwafie , " An Efficient Spatial Domain Methods & Wavelet Transform for Contour Compression" (*ICAIP'2012*), pp 225-229, Oct. 6-7, 2012 Dubai (UAE)
- [11] F. Alwafie, Ahmed Bousafe, and Almhdi. Aboubake, Alwafie , " Smart Antenna System Simulation for an 4G Wireless Applications " (*ICEEE'15*) July 14-15, 2015 Harare (Zimbabwe)
- [12] Nabeil A. Abujnah, Rosa Letizia, Fathi Alwafie, Salah Obayya, " Time Domain Modelling of Optical Add-drop filter based on Microcavity Ring Resonators", *IOSR Journal of Electronics and Communication Engineering*, Volume 10, Issue 6, Ver. II (Nov - Dec .2015), PP 77-87
- [13] F. Alwafie, "Radiowave Propagation in Picocellular Environment Using 2.5D Ray Tracing Technique" *WASET* 2014, pp453-556

- [14] على عبدالرحمن عكاشة ، فتحى على الوافى ، الوليد الزروق الشريف ” خوارزمية فعالة لتشفير صورة ملونة اعتماداً على تحويلتى الموجة المنفصلة (DWT) وارنولد (Arnold) “ مؤتمر التقنية الصناعية الأول 2017 (CIT) مصراته
- [15] Ahmed B Abdurrahman, Fatima Ismail, Ibrahim A. Nasir, Fathi Alwafie, “Automated Glaucoma Diagnosis System Based on Fundus Images Features,” *SEBHA UNIVERSITY JOURNAL OF PURE & APPLIED SCIENCES* VOL.20 NO. 1, pp. 16 - 19, 2021