Curriculum Vitae (CV)

Name: **Ahmed Hasan Elshoshi**

DOB: 10/03/1981
Mobile: +218913317441
E-Mail: a.elshoshi@yahoo.com
a.elshoshi@hiett.edu.ly
Address: Tripoli -Libya

Biography Summary

I am a lecturer at the Department of Electrical and Electronic Engineering – Higher Institute of engineering technology -Tripoli. I joined the departmentas an academic staff member in 2008.

My research interest involves physical and media-access control (MAC) layers of telecommunication systems, information theory and signal processing, with primary focus on wireless communications , Data Communications and optical transmission such as, for physical layer, I am concerned with multiple access (OFDMA, CDMA, MC-CDMA), Forward Error Correction Coding and Iterative Decoding, Adaptive Coding and Modulation, MIMO-OFDM and currently Massive MIMO and IoT, Antenna design and optical waveguidestructures.

I received my degrees from Al-mergeb University - Libya, and The University of Huddersfield, UK, in 2006 and 2015, respectively

Education

- 2015, Master's, Electrical and Electronic Engineering, The University ofHuddersfield, with Merit.
- 2006, Bachelor's, Electrical and Electronic Engineering, Al-MergebUniversity.

Research Interests

- Information Theory and coding .
- Wireless Communications.
- Digital Communications.
- Optical Communications and optical devices.
- Nano-Laser Structure and Surface Plasmons.
- OFDM and MIMO techniques.
- Wireless Channel Estimation .
- Space modulation techniques

Curriculum Vitae (CV)

Teaching Interests

- Digital communications
- Communication Engineering II
- Electric Networks
- Digital systems
- Communication Labs I and II
- Mobile

Communications

- ☐ Optical fiber communication systems
- Signals and systems

Selected/Recent Publications

Performance of Spatial Modulation for Multiple-Antenna Wireless Systems Over Uncorrelated Rayligh Flat Fading Channel

Abdulati I. O. Abdullah;Ibrahim K. Shati; Ahmed H. Elshoshi ;Abubaker M. Algatlawi

2018 30th International Conference on Microelectronics (ICM)

Year: 2018 | Conference Paper | Publisher: IEEE

*** Performance of Two-Port Dielectric Resonator Antenna Used for 5G mm-wave Applications**

Abdulati I. O. Abdullah; Ahmed H. Elshoshi; Abderaof M. Elmrabet;Salwa M. Ahmed

2021 IEEE 1st International Maghreb Meeting of the Conference on Sciences and Techniques of Automatic Control and Computer Engineering MI-STA

Year: 2021 | Conference Paper | Publisher: IEEE

Compact MM-Wave phased Quasi-Yagi Array Used for 5G Wireless Communications

Abdulati I. O. Abdullah;Seraj A. Almuzoughi; Ahmed H. Elshoshi; Abderaof Elmrabet

2021 IEEE 1st International Maghreb Meeting of the Conference on Sciences and Techniques of Automatic Control and Computer Engineering MI-STA

Year: 2021 | Conference Paper | Publisher: IEEE

Decoupling Techniques Used for 5G with Multiple mm-wave Antennas

Ahmed H. Elshoshi, Abderaof M. Elmrabet, Radwan Khershif, Nadir M. Alshoushi, Journal of Knowledge Crown (JKC) Journal of Knowledge Crown Issue (2) - March 2024

OTHER SKILLS

A Compact Transparent Dual-Element Antenna with Improved Isolation

Abdulati I. Abdullah1,*, fuad E. F. Mohammed 2, Ahmed H Elshoshi3, Abubaker M Algatlawi4 and Yousef A. A. Hammad 5

Journal of Azzaytuna University (JAZU) JAZU Homepage:

https://azzujournal.azu.edu.ly ISSN (Print):2523-1006, ISSN (Online): 3105-4420

DOI: 10.35778/jazu.i56.a679\

Curriculum Vitae (CV)

Investigation of Resonant Modes in Rectangular Dielectric Resonator Antennas

Tarek S Abdou1* , Abdul Aty Amar Dakhil2 , Ahmed H. Elshoshi3 , Adel Issa Ben Issa4 , Mohamed Khaleel

E-ISSN: 2959-6505 Volume 3, Issue 3, 2025 Page No: 55-61
Website:https://aajsr.com/index.php/aajsr/index AIF):2023 0.51 0.580 2024: ISI 5.028 2024: SJIFacto

OTHER SKILLS

- Microsoft office.
- Principles of C language.
- ☐ Quartus II Softwar
- MATLAB Simulink.
- CST microwave studio

Languages Arabic and English