

CURRICULUM VITAE

PERSONAL INFORMATION

Name **Aser M. Matarneh**

Nationality Jordanian

E-Mail Aser.matarneh@mutah.edu.jo
aser_m2002@yahoo.com

Building Number 11, Mutah University Housing, 61710, Karak, P.O. Box (7), Jordan

EDUCATION

1994-1999 B.Sc. in Electrical Engineering–Communication Division
Electrical Engineering Department, Mutah University, Karak - Jordan.

2004-2005 M.Sc. in Digital Communication Systems
Electrical Engineering Department, Loughborough University-UK.

2006-2010 Phd. in Electrical Engineering
Electronic and Electrical Engineering Department, University of Leeds –UK

ACADEMIC EXPERIENCE

2019- Present Associate Professor in the Electrical Engineering Department/Communication
Mutah University/ Jordan (Postal Code 61710, Tel. +962 3 2372380)
Teaching and supervising undergraduate/Graduate students with ABET standards

2018-2019 Associate Professor in the Department of Electrical Engineering/ Communications and
Electronics, Jouf University / KSA

2010-2016 Associate Professor in the Electrical Engineering Department/Communication
Mutah University/ Jordan (Postal Code 61710, Tel. +962 3 2372380)

2013-2016 Head of Electrical Engineering Department
And Assistant dean for students affairs
Mutah University/ Jordan (Postal Code 61710, Tel. +962 3 2372380)

Summer 2012, 2013 Post-Doctorate in Electronic and Electrical Engineering
(Erasmus Mundus Partnerships-Avempace Program)
Bonn-Rhine-Sieg University of Applied Sciences
53757 Sankt Augustin (Germany)
Tel: +49 (2241) 865 - 671
Fax: +49 (2241) 865 - 8671
<http://www.hochschule-bonn-rhein-sieg.de>

MEMBERSHIPS

HONORS & AWARDS
2004

2006--Now Jordan Engineering Association.
2008-Now IEEE Membership
IET Membership

PUBLICATIONS

Referred Journal papers:

- **Aser M. Matarneh** and S. S. A. Obayya “**Comprehensive Analytical System Modeling for Coded-OFDM Based Radio-Over-Fiber**”, Submitted to Optical Switching and Networking Journal . **2022.**
- Mohammad A. T. Almahadeen and **Aser M. Matarneh**, “PERFORMANCE ASSESSMENT OF THROUGHPUT IN 5G SYSTEM”, Jordanian Journal of Computers and Information Technology (JJCIT), ISSN: 2413-9351, Vol. 6, No. 3, pp.303-316, September 2020.
- Muthla N. Al-Majali and **Aser M. Matarneh** “**Interactions between Crosstalk in Wavelength Division Multiplexing and Graded index Optical Fiber Parameters**”, Journal of Telecommunication, Electronic and Computer Engineering (**JTEC**), Vol. 11, No. 1, January – March 2019.
- Saja M. Saraireh and **Aser M. Matarneh** “**Higher Level Security Approach for Data Communication System Based on AES Cryptography and DWT Steganography**”, Jordanian Journal of Computers and Information Technology (JJCIT), ISSN: 2413-9351, Vol. 2, No. 3, December 2016.
- Saif E. A. Alnawayseh and **Aser M. Matarneh** “**Performance Evaluation of Underwater Acoustic Communications Utilizing Low Complexity Encoding and Decoding Algorithms**”, Jordanian Journal of Electrical Engineering (JJEE), vol. 2, no. 3, pp. 231-239, 2016.
- **Aser M. Matarneh**, “**Thorough Investigation of BER Simulation of DPSK in Underwater Acoustic Channel,**” Jordanian Journal of Electrical Engineering (JJEE), vol. 2, no. 2, pp. 160-171, 2016.
- Esra A. Alquda, **Aser M. Matarneh**, “**Comprehensive Investigation Modeling For Semiconductor Optical Amplifier (SOA)**”, Jordanian Journal of Computers and Information Technology (JJCIT), ISSN: 2413-9351, Vol. 1, No. 1, December 2015.
- **Aser M. Matarneh**, “**Biological Cell Imaging Using Coupled Laser Diode,**” **World Applied Sciences Journal**, Vol. 26, no. 2, 2013.
- **Aser M. Matarneh** and Yazeed A. Al-Sbou, “**New Investigation of Image Transmission using Radio over Fiber System,**”**Trends in Applied Sciences Research**, Vol. 7, no. 9, pp. 758-767, 2012.

- Aser M. Matarneh and Nidal A. Al-Dmour, “**Transmission Performance of Coded Orthogonal Frequency Division Multiplexing for Radio over Multimode Fibre Systems**”, World Applied Sciences Journal, vol. 13, no. 6, pp. 1302-1309, 2011.
- Aser M. Matarneh and S. S. A. Obayya, “**Bit-error ratio performance for radio over multimode fibre system using coded orthogonal frequency division multiplexing,**” IET Optoelectronics, vol. 5, no. 4, pp. 151-157, 2011.
- Aser M. Matarneh and S. S. A. Obayya, “**New Nonlinear Analytical Model for Distortion Analysis of Vertical Cavity Surface Emitting Lasers,**” IET Optoelectronics, vol. 3, no. 6, pp. 310-319, 2009.
- Aser M. Matarneh and S. S. A. Obayya, “**Accurate Nonlinear Volterra Series Analysis for Vertical Cavity Surface Emitting Lasers,**” IEEE Photonics Technology Letter, vol. 21, no. 19, pp. 1402-1404, 2009.

Conference papers:

- Aser M. Matarneh and S.S.A.Obayya, “Performance Evaluation for Radio over Multimode Fiber System Using Coded-OFDM”, *in Proc. of IEEE, the 7th Jordanian International Electrical and Electronics Engineering Conference, (JIEEEEC 2011), 11-14 April 2011.*
- Aser M. Matarneh and S.S.A.Obayya, “BER Performance for Radio over Multimode Fibre System Using Coded Orthogonal Frequency Division Multiplexing”, Semiconductor and Integrated Optoelectronics, ” *in Proc. of SIOE’10, 29-31 March 2010.*
- Aser M. Matarneh and S.S.A.Obayya, “Accurate Nonlinear Volterra series Analysis for Vertical Cavity Surface Emitting Lasers”, Semiconductor and Integrated Optoelectronics, ” *in Proc. of SIOE’09, 6-8 April 2009.*
- Aser M. Matarneh and S.S.A.Obayya, “Accurate Nonlinear Volterra series Analysis for Vertical Cavity Surface Emitting Lasers”, *in Proc. of TACONA’08, 3-5 Dec. 2008.*
- Aser M. Matarneh, S. S. A.Obayya and I. D.Robertson, “Coded Orthogonal Frequency Division Multiplexing(COFDM) Transmission over Graded-Index Multimode Fiber”, *in Proc. of IEEEPhotonicsGlobal@Singapore, 8-11 Dec. 2008.*