

# MOHAMMED TAHA EL ASTAL

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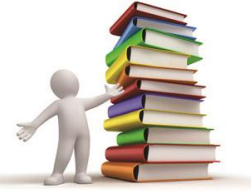


## OBJECTIVE

Seeking a position where I will work towards enhance my knowledge in electrical and telecommunication engineering.

## EDUCATION

 <a href="http://WWW.UTAS.EDU.AU">WWW.UTAS.EDU.AU</a>	2012-2015 University of Tasmania TAS-Australia	<ul style="list-style-type: none"><li>• <b>PhD. in Electrical Engineering (Wireless communications and Signal processing).</b></li><li>• <b>Thesis title :</b> "Toward Realstic Cooperative Communication Networks"</li><li>• <b>Supervisor :</b> Prof.JC Olivier</li></ul>
 <a href="http://WWW.IUGAZA.EDU.PS">WWW.IUGAZA.EDU.PS</a>	2008-2011 The Islamic University of Gaza Gaza-Palestine	<ul style="list-style-type: none"><li>• <b>MSc in Electrical Engineering/Communications Systems.</b></li><li>• GPA: 91.6%(<b>First rank with Distinct</b>).</li><li>• <b>Thesis title :</b> "Distributed Space Time Block Coding for Asynchronous Cooperative Communication Systems"</li></ul>
	2001-2006 The Islamic University of Gaza Gaza-Palestine	<ul style="list-style-type: none"><li>• <b>BSc. in Electrical Engineering (Communication &amp; Control)</b></li><li>• Accumulative Average: 82.23%.</li></ul>
	2000-2001 Khaled Al-Hassan School Khan-younis,Palestine	<ul style="list-style-type: none"><li>• <b>High Secondary School/ Science Stream .</b></li><li>• Accumulative Average 93.5.</li></ul>

## ACHIEVEMENTS IN NUMBERS

PUBLICATION	Reviewer	Organizing conferences
		
14 (13 articles + 1 book)	Conducting as a reviewer for 3 journals and 5 national and international conference	1 ICSCS2016 ( <a href="http://icscs.iugaza.edu.ps/">http://icscs.iugaza.edu.ps/</a> )

## **PUBLICATION**

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### **Journals**

1. El Astal, M. T. O., Abu-Hudrouss, A. M., Salmon, B. P., & Olivier, J. C. (2015). An adaptive transmission protocol for exploiting diversity and multiplexing gains in wireless relaying networks. **EURASIP Journal on Wireless Communications and Networking**, 2015(1), 1-15.
2. El Astal, M.-T. O.; Ismail, A.; Alouini, M.-S. ; Olivier, J. C.: "Low-Complexity and Full-Diversity Partial Interference Cancellation for Multi-User Wireless Relaying Networks," Submitted with Revision in **IEEE Transactions on Vehicular Technology**.
3. Astal, M. T. E., Abu-Hudrouss, A. M., & Olivier, J. C. (2015). Improved Signal Detection of Wireless Relaying Networks Employing Space-Time Block Codes Under Imperfect Synchronization. **Springer, Wireless Personal Communications**, 82(1), 533-550.
4. El Astal, M. T. O., & Olivier, J. C. (2014). Improved signal detection for two-way wireless relaying networks under imperfect time synchronisation. **EURASIP Journal on Advances in Signal Processing**, 2014(1), 1-14.
5. El Astal, M. T., Salmon, B. P., & Olivier, J. C. (2014). Full-space diversity and full-rate distributed space-time block codes for amplify-and-forward relaying networks. **The Journal of Engineering, IET**, 1-6.
6. El Astal, M. T., & Abu-Hudrouss, A. M. (2011). SIC detector for 4 relay distributed space-time block coding under quasi-synchronization. **IEEE communications letters**, 15(10), 1056-1058.
7. El Astal, M. T. O., & Abu-Hudrouss, A. M. (2012). Generalized pic detector for distributed STBC under quasi-synchronization. **Wireless Engineering and Technology**, 3(01), 25.

### **Conferences**

1. Astal, E., TO, M., Salmon, B. P., & Olivier, J. C. (2014, April). Distributed space-time block coding for two-way wireless relaying networks: Improved performance under imperfect synchronization. In **IEEE Wireless Communications and Networking Conference (WCNC)**, 2014, pp. 1176-1181.
  2. El Astal, M.-T.O.; Salmon, B.P.; Olivier, J.C., "Distributed space-time codes for amplify-and-forward relaying networks," in **IEEE Wireless Communications and Networking Conference (WCNC)**, 2014, pp.1166-1169.
  3. El Astal, M. T., & Olivier, J. C. (2013, September). Distributed closed-loop extended orthogonal STBC: Improved performance in imperfect synchronization. In **IEEE Personal Indoor and Mobile Radio Communications (PIMRC)**, 2013, pp. 1941-1945.
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4. Astal, E., TO, M., Ismail, A., Alouini, M. S., & Olivier, J. C. (2013, December). Full-diversity partial interference cancellation for multi-user wireless relaying networks. In **IEEE Signal Processing and Communication Systems (ICSPCS)**, 2013, pp. 1-6.

**Books:**

1. M. –T O. El Astal, and A. M. Abu-Hudrouss, "Distributed Space Time Block Coding for Asynchronous Cooperative Networks: Imperfect synchronization problem and proposed solutions", **Germany, LAP**, 06/05/2011.

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**MEETINGS, WORKSHOPS AND CONFERENCES(2009-2015)**

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- Information theory workshop (ITW2014), Tasmania, Australia , 11/2014
- IEEE Wireless Communications and Networking Conference (WCNC), **Istanbul, Turkey**, 4/2014.
- The 7th International Conference on Signal Processing and Communication Systems (ICSPCS), 12/2013, **Gold Coast, Australia**.
- The IEEE 24th International Symposium on Personal Indoor and Mobile Radio Communications (PIMRC), **London, UK**, 9/2013.
- The IEEE international conference of Communication Technology (ICCT),9/2012, **Chengdu, China**.
- The Fifth Forum on IT and Engineering, Gaza, Palestine, 16-18/5/2011.
- Graduate Studies and Its role in development Conference, Gaza, Palestine, 4/2011
- The Fourth Meeting on IT and Engineering, Gaza, Palestine, 16-18/5/2010. IT Forum , Gaza, Palestine, 12-13/5/2009.

## EXPERIENCE



[WWW.IUGAZA.EDU.PS](http://WWW.IUGAZA.EDU.PS)

6/2011- 2/2012 IUG University/EE dept.. Gaza-Palestine

### Assistant Professor (Part-Time)

- Teaching graduate Courses , such as : channel coding, wireless communications, satellite communications, and fiber-optic communications.



[abasan-enerbe.eu](http://abasan-enerbe.eu)

5/2015- current ENERBE(EU-funded project) Gaza-Palestine

### Technical Manager

- Supervising the technical Committee which is undertaking the responsibility of monitoring the technical parts of the project relevant to the smart meters, ICT platform, capacity-building and capitalization / sustainability.



[www.mtit.gov.ps](http://www.mtit.gov.ps)

8/2011- current Ministry of Telecomm and IT Gaza-Palestine

### Head of Wireless Services Dept

#### @ General Directorate of Spectrum and Transmission

- Develop Regulation guidelines/Monitoring for broadcasting and Wireless Services (such as TV, FM, WiMAX, GSM and Wi-Fi).
- Supervised and guide the team that is responsible for the on-field evaluation process of Macro/Micro-BS (initial-run-final approval).



[WWW.UTAS.EDU.AU](http://WWW.UTAS.EDU.AU)

5/2012- 12/2014 Tasmania University/EE dept.. TAS-Australia

### Researcher and Part-time lecturer

- Doing research in field of a wireless communication and signal processing, specifically it was about the new technology named as " cooperative communications technology"
- Lab supervisor and teaching assistant..



[www.mtit.gov.ps](http://www.mtit.gov.ps)

8/2011- current Ministry of Telecomm and IT Gaza-Palestine

### Telecommunication Engineer

- Create tools and guidelines for Allocation, Allotment and Assignment of Radio Frequencies Bands and Channels
- Develop Regulation guidelines for broadcasting and Wireless Services (such as TV, FM, WiMAX, GSM and Wi-Fi).



[WWW.IUGAZA.EDU.PS](http://WWW.IUGAZA.EDU.PS)

6/2011- 2/2012 IUG University/EE dept.. Gaza-Palestine

### Part-Time Lecturer

- Teach Courses , such as : the principle of Wireless Comm.



[ALQUDWA.PS](http://ALQUDWA.PS)

6/2006- 8/2008 AQ Wireless Communication Co. Gaza-Palestine

### Communication Engineer

- Head of the division of wireless networks and links.
- Wifi/WiMax/Microwave Links/B-ISP/PTT...etc.

10/2007-8/2008 Ministry of higher education Gaza-Palestine

### Math Teachers.

- Teaching Math at Haifa school. & Daliat El Karmel school.

## INTERNATIONAL CERTIFICATES & TRAINING COURSES



[WWW.CISCO.COM](http://WWW.CISCO.COM)



[WWW.CISCO.COM](http://WWW.CISCO.COM)



[WWW.SUN.COM](http://WWW.SUN.COM)



[WWW.COMPUTERLAND.PS](http://WWW.COMPUTERLAND.PS)



[HTTP://WWW.IUGL.PS](http://WWW.IUGL.PS)



[TTP://WWW.USAID.GO](http://WWW.USAID.GO)

### Technical Section

(1/2-15/2) 2010 Faculty of Engineering @ IUG Gaza-Palestine

- **CCNA Voice**
- 40 training hours

8/2006- 3/2007 GCC/Cisco Academy Gaza-Palestine

- **Cisco Academy / 4 semester / GPA: 92.3%**
- All semesters completed by **Thanks Letters**.

9/2005-7/2006 PECDAR Gaza-Palestine

- **SUN Certificate of Java Programmer (SCJP – CX 310-035)**.
- SUN Java developer training courses.

4/2007- 7/2007 ComputerLand Center Gaza-Palestine

- **Linux (LPI 101 and LPI 102)**
- Red Hat Enterprise R4.

### Management Section

4/2007- 6/2007 CSCED @ IUG Gaza-Palestine

- How to be: **Team Work manager**.
- How to make: **Business Feasibility Study**.
- How to: **Build Business plane / Marketing**.

(22-24)/1/2006 CSCED, DAI, and USAID Gaza-Palestine

- **Business Performance Improvement**
- Marketing, quality management, and financial accounting.

## **LANGUAGES**

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**English:** V. Good demand of spoken and written English.

**Hebrew:** basics demand of spoken and written hebrew.

**Arabic:** Mother tongue.

## **MEMBERSHIPS AND AWARDS**

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- IET member since 5/2014
- IEEE member since june,2004.
- Member of the Palestinian Engineering Syndicatesince june,2006.
- Sun Microsystem member since 5/12/2007
- Cisco System Academy member since 4/7/2006

## **SKILLS**

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### **Computer skills:**

#### **Programming Languages :**

- Java ( I am a certified Java Programmer)
- Visual Basic and C++.

#### **Simulation software:**

- MATLAB (It is my game) & Maple.
- OrCAD & WorkBench.

#### **Operating Systems:**

- MS-DOS,WINDOWS 2000/XP/NT/9x.
- Linux(RedHat, Fedora, Ubuntu).

#### **General :**

- Pc maintance (software+hardware).
- Work professionally with ms office package .

### **Interaction skills:**

- Trained to work under pressure,teamwork.
- Excellent interpersonal communication skills,presentation.

## PERSONAL INFORMATION

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- **Nationality: Palestinian.**
- **Marital status : Married and have 3 children.**
- **Age: 32.**
- **Sex: Male**

## REFERENCES

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- **JC Olivier, Professor**  
Professor of Communication Dept.  
School of Engineering / University of Tasmania / Australia  
Tel: 0061487992754      E-mail [j.olivier@uas.edu.au](mailto:j.olivier@uas.edu.au)
- **Ammar M Abu Hudrouss, Associated Professor**  
Head of Electrical Engineering Dep./Islamic University of Gaza/PS  
P.O. Box 108, Electrical Department,Engineering College  
Tel: 00972599732315      E-mail [ahdrouss@iugaza.edu.ps](mailto:ahdrouss@iugaza.edu.ps)
- **Fady El Nahal, Associated Professor**  
Director of Projects and Research Center/IUG/PS  
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Tel: 00972599732315      E-mail [fnahal@iugaza.edu.ps](mailto:fnahal@iugaza.edu.ps)
- **Abd EL Ghani Abu Tair, General Director**  
Spectrum and Transmission Directorate /MTIT/PS  
Tel: 00972599416094      E-mail [aabutair@gov.ps](mailto:aabutair@gov.ps)