

CURRICULUM VITAE



1. Biographical Data:

Name: Hamid Ali Abed AL-Asadi
Title: Dr.
Designation: Assistant Professor
Gender: Male
Marital Status: Single
Address (Office): Department of Computer Science,
Faculty of Education, Basra University,
Basra, Iraq.
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2. Academic Qualifications:

Ph.D. in Communications and Networks Engineering
University Putra Malaysia (UPM), Malaysia, 2011.
M. Sc. in Communications and Networks Engineering
University of Basra, Iraq, 1995.
B. Sc. in Electrical Engineering
University of Basra, Iraq, Iraq, 1987.

3. Occupation

1989-1990 Maintenance & Service Engineer , Computer Unit, Faculty of Education, Basra University.

1991-1992 Research Assistant, Faculty of Education, Basra University.

1993-1995 Postgraduate Researcher, Faculty of Engineering. Basra University.

1996-1998 Assistant Lecturer, Faculty of Education, Basra University.

1999-2001 Lecturer, Faculty of Education, Basra University.

2002- Assistant professor, Department of Computer Science, Faculty of Education, Basra University

4. Teaching Experience:

- **Optical Communication.**
- **Principles of Lasers.**
- **Laser Communication.**
- **Random Signal in Communications System.**
- **Noise on Linear and Nonlinear Systems.**
- **Theory of Communication Systems.**
- **Digital Signal Processing.**
- **Laser and Optoelectronics.**
- **Programming with Basic, FORTRAN and Pascal.**
- **Programming with C++.**
- **Introduction to Microprocessors and Microcomputers.**
- **Computer architecture.**
- **Digital Logic Design**
- **Microprocessor Design**
- **Interface and Devices**
- **IT Environment**
- **Internet Technology**
- **Communication Engineering**
- **Information technology**
- **Introduction to Computing**
- **Computer Organization & Arch**
- **Communication Networks**
- **Computer design and Programming**
- **Optical Measurements**
- **Data Comm. & Computer Networking**
- **Engineering Lab**
- **Communication Engineering Lab**
- **Research Methodology**

5. Professional Affiliations:

1. Member (No. 91301554).

Institute of Electrical and Electronics Engineers (IEEE),
Piscataway, New Jersey
USA.

Website: <http://www.ieee.org/>



2. Member (No. 1023872)

Optical Society of America (OSA),
Massachusetts, Washington, D.C.
USA.

Website: <http://www.osa.org/>



3. Member (No. 3416317)

The International Society for Optical Engineering (SPIE),
Bellingham, Washington,
USA.

Website: <http://spie.org/>



4. Member

Board of Engineers,
Basra, Iraq.

6. Students supervision:

M.Sc. Students:

**Title: Evaluation Computer Curriculum Subject for the Fourth Class
Secondary School**

Degree: MSc

Student: Asaad Hadi Muhsin Al-Rubaie

Status: Finished

Organization: Basra University

7. Technical Publications:

Thesis

1. **H. A. AL-Asadi**, 2011. “**Analytical Modeling, Experimental investigation and applications of Stimulated Brillouin Scattering in Optical Fibers**”, PhD. Thesis submitted to *University Putra Malaysia (UPM)*, Malaysia.
2. **H. A. AL-Asadi**, 1995. “**Performance Evaluation of Surface Emitting lasers**”, MSc. Thesis submitted to *Basra University (BU)*, Iraq.

8. Journals:

Paper Information

- **H. A. AL-Asadi and R. S. Fyath**, "Temperature dependence of the lasing characteristics of vertical cavity surface emitting lasers," *Engineering Journal of Technology University*, Vol. 145, 1994.
- **H. A. AL-Asadi and Majida Ali Abed**, "Recognition of multi-fonts arabic texts using freeman chain and Viterbi algorithm," *Science Journal*, Vol. 5, No. 1 1999.
- **H. A. AL-Asadi**, "Temperature dependence of the noise characteristics of multisection semiconductor lasers," *Science Journal*, vol. 7, No. 3, 2001.
- **H. A. AL-Asadi**, "Linewidth characteristics of vertical cavity surface emitting lasers due to external optical feedback," *Science Journal*, vol. 8, 2001.
- **H. A. AL-Asadi**, "Influence of facet reflection on the performance of Vertical Cavity Semiconductor Optical Amplifiers," *Tikrit Journal for Pure Science*, vol. 8, No. 2, 2002.

- **H. A. AL-Asadi**, "Theoretical investigation of spectral linewidth properties of double fused 1.3 μm MQW-VCA in reflection and transition modes," *Tikrit Journal for Pure Science*, vol. 8, No. 2, 2002.
- **H. A. Al-Asadi**, "Vertical cavity amplifiers and its cavity length dependence the sturation power and quantum efficiency," *Tikrit Journal of Pure Science*, vol. 9, No. 2, 2003.
- **H. A. Al-Asadi** and Fatima Algabri, "Conductimetric studies of 1:1 mono-substituted salicylic/acid in aqueous solution at 25o C," *Science Journal of Chemical, Libya*, 2004.
- **H. A. AL-Asadi** and Majida Ali Abed, "Constraint base Student Modeling (CBSM) in ICAIT," *Iraqi Journal of Physics*, Vol. 6, 2005.
- **H. A. AL-Asadi** and Majida Ali Abed, "Fuzzy Logic Approach to Recognition of Isolated Arabic Characters." *International Journal of Computer Therory and Engineering (IJCTE)*, Vol. 2, No. 1, Feb. 2010.
- **H. A. Al-Asadi**, M. H. Al-Mansoori, M. Ajiya, S. Hitam, M. I. Saripan, and M. A. Mahdi, "Effects of pump recycling technique on stimulated Brillouin scattering threshold: A theoretical model," *Optics. Express*, Vol. 18, No. 21, pp. 22339-22347 (2010). **Impact factor: 3.88.**
- **H. H. A. Al-Asadi**, M. H. Al-Mansoori, S. Hitam, M. I. Saripan, and M. A. Mahdi, "Brillouin Linewidth Characterization in Single Mode Large Effective Area Fiber through the Co-Pumped Technique," *International Journal of Electronics, Computer and Communications Technologies (IJECCCT)*, Vol. 1(1), pp. 16-20 (2010).
- **H. A. Al-Asadi**, M. H. Al-Mansoori, S. Hitam, M. I. Saripan, and M. A. Mahdi, "Particle swarm optimization on threshold exponential gain of stimulated Brillouin scattering in single mode fibers," *Optics. Express*, Vol. 19, No. 3, pp. 1842-1853 (2011). **Impact factor: 3.88.**
- **H. A. Al-Asadi**, M. H. Al-Mansoori, S. Hitam, M. I. Saripan, and M. A. Mahdi, "Analytical study of nonlinear phase shift through stimulated Brillouin scattering in single mode fibre with pump power recycling technique," *Journal of Optics*, 2011.
- **H. A. Al-Asadi**, M. H. Abu Bakar, M. H. Al-Mansoori, F. R. Mahamd Adikan, and M. A. Mahdi, "Analytical analysis of second-order Stokes wave in

Brillouin ring fiber laser,” Optics. Express, Vol. 19, No. 25, pp. 25741- 25748 (2011). Impact factor: 3.88.

9. Personal and professional skills:

- ◆ Meeting deadlines, whilst maintaining high standards of accuracy.
- ◆ Setting high but achievable standards of performance for others and myself.
- ◆ Demonstrating a positive outlook, maintaining a ‘can do’ attitude in the face of obstacles.
- ◆ Displaying initiative and independence, working on my own or as part of a team.
- ◆ Improving personal and technical skills through training courses, and independent study.
- ◆ Making presentations to all level of staff up to senior board level and international clients.

10. Training, workshop, conference and Seminars Attended:

- *Workshop of a demo on Interferometer Training Kit. March 26, 2009.*
- *Conference : 1st Topical Meeting on Laser and Optoelectronics 2009 on 7th - 10th of Feb, Langkwi, Malaysia.*
- *Workshop of LabVIEW Briefing, (17 Feb 2009).*
- *Workshop of a MIMOS seminar (13 August 2009)*
- *Workshop of NI LabVIEW Road show 2009, (27 October 2009)*
- *Seminar of the VIVA .27th – 28th Feb. 2010.*

- *Seminar of the Enhancing Postgraduate Student Experience .28th – 29th July, 2010.*
- *Seminar of the GIS Day 2011 .17th – 18th March. 2011.*
- *Conference : 2nd Topical Meeting on Laser and Optoelectronics 2010 on 14th -15th of June, Kualalampur, Malaysia.*

Areas of Expertise:

Engineering

**Computer and Communication Engineering,
Photonics and Fiber Optic Systems
Engineering.**

**Information Communication
Technology (ICT)**

Information Security

Physical Sciences

**Optical Physics, Fiber Optics and
Waveguides.**

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