**Dr. Ahmad N. AL-Omari**

Electronics Engineering, Department Hijjawi Faculty for Engineering Technology Yarmouk University 21163 IRBID – JORDAN phone (962) 2 7211111 ext.4340 e-mail: oahmad@yu.edu.jo



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| **Education** | | | | | | | | |
| **Ph.D.** |  | ***2006, Colorado State University, USA*** | | | | | | |
|  | **Dissertation** | | High-Speed | Vertical-Cavity | Surface-Emitting | Lasers | with | Reduced |
|  | **Title** | Electrical and Thermal Constraints on Modulation Bandwidth. | | | | | | |

**M.Sc. *2002, Colorado State University, USA* Thesis Title** Fabrication and Characterization of High-Speed Oxide-Confined Vertical-Cavity Surface-Emitting Lasers

**B.Sc. *1995, Yarmouk University, Jordan* Major** Electronics Engineering

**Professional Experience**

**8/2006-** Assistant Professor, Department of Electronics Engineering, Hijjawi Faculty for **current** Engineering Technology, Yarmouk University, Irbid, Jordan.

**Summer 2008** Visiting Researcher, Electrical and Computer Engineering Department, Colorado State University, Fort Collins, Colorado, USA.

**Summer 2006** Postdoctoral Fellow, Electrical and Computer Engineering Department, Colorado State University, Fort Collins, Colorado, USA.

**7/2005-6/2006** Semiconductor Processing Cleanlab manager, Electrical and Computer Engineering Department, Colorado State University, Fort Collins, Colorado, USA.

**9/2000-6/2005** Graduate research assistant, Electrical and Computer Engineering Department, Colorado State University, Fort Collins, Colorado, USA.

**1995- 2000** Lab Engineer, Department of Electronics Engineering, Hijjawi Faculty for Engineering Technology, Yarmouk University, Irbid, Jordan.

**Research Interests**

Design, fabrication, characterization and modeling of high-speed oxide-confined vertical-cavity surface-emitting lasers (VCSELs). Dielectrics for high speed devices.

**Grants and Awards**

* Hijjawi Foundation prize for distinction in scientific research (2007)
* 2-year scholarship, sponsor: Yarmouk University (May,2000-May,2002) This grant was awarded to obtain the degree of Master of Science in Electrical Engineering from Colorado State University, Fort Collins, Colorado, USA.
* 3-year scholarship, sponsor: Yarmouk University (May,2002-May,2005) This grant was awarded to obtain the Ph.D. degree in Electrical Engineering from Colorado State University, Fort Collins, Colorado, USA.

**Teaching Experience**

 **Courses taught:­**

1. Electronics I (ELE 250)

2. Electronics II (ELE 350A)

3. Microelectronics Technology (ELE 376)

4. Microwave Semiconductor Devices (ELE 442)

5. Optoelectronics (ELE 440)

6. Specialized Measurements (ELE 454)

 **Labs supervised:­**

1. Electronics I (ELE251)

2. Electronics II (ELE351)

3. Digital Electronics (ELE451)

4. Electronic Maintenance (ELE551)

5. Electronic Design and Manufacturing (ELE 353)

6. Integrated Circuits (ELE 453)

7. Specialized measurements (ELE455)

**Professional Memberships**

* Member of the INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC. (IEEE) (2003-current)
* Member of the IEEE-LASERS & ELECTRO-OPTICS SOCIETY (IEEE-LEOS), USA (2003­current)
* Member of the HONOR SOCIETY FOR ELECTRICAL AND COMPUTER ENGINEERS Eta Kappa Nu (HKN) Delta Pi Chapter, USA (**Life time**)
* Member of the JORDAN ENGINEERS ASSOCIATION, (JEA), JORDAN (1995-current)
* Member of the IEEE COMMUNICATIONS SOCIETY, USA (2003-2004, 2007-2008)
* Member of the INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING (SPIE), USA (2003-2006, 2010)
* Member of the OPTICAL SOCIETY OF AMERICA (OSA), USA(2003-2006)
* Member of the INSTITUTE OF ELECTRICAL ENGINEERS, INC. (IEE), UK(2003-2006)

**Non-Professional Memberships**

* Chair of election committee for Electronics Engineering dept. student Union elections, 2006/2007.
* Member of the Hijjawi Faculty for Engineering Technology Council, Yarmouk University, 2007/2008 and 2009/2010
* Member of the Hijjawi Faculty for Engineering Technology Library Committee, 2007/2008 and 2009/2010 .
* Member of Electronics Engineering dept. ABET Curriculum Development Committee, 2007/2008.
* Student academic advisor, 2006-Present. Providing academic advising for Electronics Engineering students admitted in 2006 until graduation.
* Electronics engineering dept. graduation project examination committee.
* Electronics engineering dept. field training examination committee.