

ODOEZE JIDEOFOR AMBROSE HENRY

AREAS OF INTEREST      Photonics Integrated Circuit.  
Intelligent and Control Systems

SKILLS      **Programming:** C/C++, MATLAB, and Assembly.  
**Software:** Lumerical (FDTD, MODE, DEVICE and INTERCONNECT) Solutions, Comsol Physics, Cadence, and Proteus  
**Hardware:** Laser fabrication and characterization, Silicon device microfabrication and characterization, and use of microcontroller

ACADEMIC QUALIFICATION      **PhD – ELECTRICAL ENGINEERING (2018 -Present)**  
**School:** University of Notre Dame  
**MSC (3.64/4) - ELECTRONICS AND COMMUNICATIONS ENGINEERING (2016-2018)**  
**School:** Egypt-Japan University of Science and Technology (EJUST), Egypt.  
**BENG (4.56/5 -FIRST CLASS) – ELECTRONICS ENGINEERING - 2012**  
**School:** University of Nigeria Nsukka (UNN), Nigeria.

PROFESSIONAL EXPERIENCE      

- **Research/Teaching Assistant (2017 – 2018)**  
**School:** Faculty of Engineering, EJUST, Alexandria, Egypt.  
**Responsibilities:** Assists in teaching and organizing tutorial for MTH 111.
- **Lecturer (2014 -present) (on study leave)**  
**School:** Department of Electronic Engineering, UNN, Nigeria  
**Responsibilities:** Teaches ECE 573 (Software Engineering) and ECE 625 (Solid state Electronics) and Advisor to students
- **Basic Electronic Teacher (2012 -2013)**  
**School:** Federal Science and Technical College (FSTC) Yaba, Lagos State, Nigeria.  
**Responsibilities:** Taught some staff and student of Electronic Department, use of assembly Language and Microcontroller. Designed and Implemented a 4-way traffic light system with sensors.

RESEARCH EXPERIENCE      

- **Masters research/thesis EJUST (2016 -2018)**  
Design and Implementation of Silicon-ON-Insulator (SOI) Photonics Device.
- **Undergraduate Research/Project, UNN (2012)**  
Internet-Based Library Management with automated Security Systems.

PROFESSIONAL SOCIETY      OSA Student Member (2016 -Present).  
IEEE Student Member (2017 – Present).

## PUBLICATIONS

1. **J. A. H. Odoeze**, M. F. O. Hameed, H. M. H. Shalaby, and S. S. A. Obayya, "Si-core photonic crystal fiber transverse-electric pass polarizer," *J. Opt. Soc. Am. B*, vol. 35, no. 5, pp. 980–986, May 2018.
2. **J. A. H. Odoeze**, M. F. O. Hameed, H. M. H. Shalaby, and S. S. A. Obayya, "Novel design of photonic crystal fiber TE-pass polarizer," in *Proc. 26th International Workshop on Optical Wave & Waveguide Theory and Numerical Modelling (OWTNM 2018)*, Bad Sassendorf, Germany, Apr. 13–14, 2018, p. 45.
3. **J. A. H. Odoeze**, O. M. Nawwar, and H. M. H. Shalaby, "J-rib waveguide as a mode-division demultiplexer," in *Proc. Asia Communications and Photonics Conference (ACP 2016)*, Hong Kong, Nov. 2–5, 2016, pp. AF1G.6(1–3).
4. N. David, H.U. Nnamani, **J.A.H Odoeze**, "The Design and Implementation of a Universal EPROM Programmer", international *Journal of Engineering Research and Technology (IJERT)*, Vol. 2 Issue 9, Sept. 2013.

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## AWARDS

- Recipient of University of Notre Dame PhD graduate scholarship (2018).
- Recipient of the PHARCO Corporation Masters Scholarship, EJUST (2016), Egypt.
- Recipient of the Presidential Special Scholarship Scheme (PRESSID3) (2015).
- Recipient of NsukkaUSA Inc. Scholarship Award (2012/2013) academic session.
- B.Eng. Electronic Engineering Department, First class Honors 2012/2013 academic session.
- Recipient of the prestigious Petroleum Technology Development Fund (PTDF) Scholarship in recognition of Academic Excellence for consecutive (2008/2009, 2009/2010, 2010/2011, 2011/2012) academic session.
- Recipient of MTNF Foundation Scholarship in recognition of Outstanding Academic performance for consecutive (2008/2009, 2009/2010, 2010/2011, 2011/2012) academic session.
- Recipient of Etisalat Award in 2008/2009 academic session in recognition of outstanding academic performance.

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## HOBBIES

Reading, **Chess**, dancing, making new friends, travelling, and swimming