

## Ahmed Faik

### Education

- University of North Carolina at Charlotte; 24 graduate hours, 2006
- Sussex University, England; Ph.D. in Physics, Optoelectronics, 1984
- Sussex University, England; B.Sc. in Physics, 1979

### Academic Experience

- Johnson C. Smith University, Computer Science and Engineering Dept.  
Interim chairman and faculty/advisor.  
August 2017 – present
- Johnson C. Smith University, Computer Science and Engineering Dept.  
Assistant Professor Faculty/advisor.  
August 2012 – May 2017
- Johnson C. Smith University, Computer Science and Engineering Dept.  
Assistant Professor of Computer Science and Engineering  
August 2001 – May 2012
- ITT Technical Institute  
Adjunct Professor of Computer Science and Engineering  
January 2008 – 2014
- Johnson C. Smith University, Computer Science and Engineering Dept.  
Adjunct Professor of Computer Science and Engineering  
January 2001 – July 2001
- University of North Carolina at Charlotte, Electrical and Computer Engineering Dept.  
Adjunct Professor of Electrical Engineering  
September 2000 – June 2001
- University of North Carolina at Charlotte, Electrical and Computer Engineering Dept.  
Postdoctoral position, in charge of the Transmission Electron Microscope.  
January 1999 – December 2000

### Related Work Experience

- Faculty and students mentor in Louis Stokes Alliances for Minority Participation grant. 2014 to present.
- January 1999 – July 2001;
- Epitaxial growth of semiconducting materials (SiC, Si, Al, Ge).
  - Surface morphology studies using Scanning Electron Microscopy.
  - Structural characterization using Transmission Electron Microscopy.
  - Design and modification of CVD reactors and susceptors using RF and direct heating.
  - Supervising and assisting graduate students at the University of North Carolina at Charlotte.

- In charge of the scanning and the transmission electron microscopes and the Chemical Vapory Deposition system in the Cameron Applied Research Center at the University of North Carolina at Charlotte.

August 1980 – June 1986

- Characterization of propagation losses in optical planar waveguides fabricated on LiNbO<sub>3</sub>.
- Refractive index measurements of ion-implanted and ion-exchanged planar waveguides.

### **Courses Taught**

At JCSU;

1. Computers in Society
2. Intro. to Comp. Sc. and Eng.
3. Introduction to Discrete Structures
4. Computer Programming I
5. Circuit Theory I
6. Circuit Theory II
7. Electronics Measurements and Design
8. Electronics Circuit Design
9. Advanced Electronics Systems
10. Logic and Digital Circuits
11. Practicum

At UNCC;

1. Circuit Theory
2. Electronics Engineering Laboratories

At ITT Tech;

1. Physics
2. DC/AC Electronics
3. Digital Electronics I
4. C-C++ Programming
5. Introduction to C Programming
6. Advanced Circuit Analysis I
7. Electronic Communications Systems II
8. Digital Electronics II