

# ANNAMALAI ANNAMALAI, Ph.D.

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## CURRICULUM VITA

### EDUCATION

- Ph.D. Electrical and Computer Engineering, University of Victoria, Canada, 1999
- M.A.Sc. Electrical and Computer Engineering, University of Victoria, Canada, 1997
- B.E. Electrical and Computer Engineering, Science University of Malaysia, Malaysia, 1993

### EXPERIENCE

- Prairie View A&M University  
Associate/Full Professor (2006 – Present) & Director of CECSTR (2010 – Present)  
Courses: Network Theory II, Signal & Systems, Communications Theory, Thesis, Doctoral Dissertation, Coding Theory, Advanced Digital Signal Processing, Engineering Probability and Statistics, Detection and Estimation Theory, Special Topics in Electrical Engineering (Analysis & Optimization of Digital Communications over Fading Channels, Cooperative Wireless Communications), Engineering Numerical Methods
- Virginia Polytechnic Institute and State University (Virginia Tech)  
Assistant Professor & Associate Director of MPRG, 2000 – 2006  
Courses: Introduction to Communications, Digital Communications, Wireless Communications, Coding Theory, Information Theory, Communication Systems Design I & II, Special Topics in Communications: OFDM and Related Technologies

### PROFESSIONAL, TECHNICAL AND WORK-RELATED EXPERIENCE AND SKILLS

- Director, Center for Excellence in Communications Systems Technology Research (CECSTR)
- Editor-in-Chief of IJWMN and Member of the Editorial Board for six engineering journals
- National Science Foundation Panelist (CISE, ENG and IIP programs), 2001 – Present

### PROFESSIONAL ACHIEVEMENTS AND PUBLICATIONS

- 2011 Roy G. Perry College of Engineering Outstanding Faculty Researcher Award
- N. Ampah, C. Akujuobi and A. Annamalai, “An Intrusion Detection Technique Based on Discrete Binary Communication Channels” Chapter 14 in *Intrusion Detection Systems*, Pawel Skrobanek Ed., InTech Publisher: 2011, pp. 255-276.
- A. Annamalai, O. Olaluwe and E. Adebola, “Chapter 14: Analyzing the Ergodic Secrecy Rates of Cooperative Amplify-and-Forward Relay Networks over Generalized Fading Channels” in *Emerging Trends in ICT Security* by Babak Akhgar & Hamid R. Arabnia, Morgan & Kauffman Publisher: 2013, pp. 227-243.
- A. Annamalai and E. Adebola, “Asymptotic analysis of digital modulations in  $\kappa$ - $\mu$ ,  $\eta$ - $\mu$  and  $\alpha$ - $\mu$  fading channels,” *IET Communications*, July 2014, DOI: 10.1049/iet-com.2014.0388, pp. 1-14.
- E. Adebola and A. Annamalai, “Unified analysis of energy detectors with diversity reception in generalised fading channels,” *IET Communications*, July 2014, DOI: 10.1049/iet-com.2014.0199
- E. Adebola and A. Annamalai, “Partial area under the receiver operating characteristics curves of diversity-enabled energy detectors in generalised fading channels,” *IET Communications*, February 2014, DOI: 10.1049/iet-com.2013.1070