

# ***Curriculum Vitae***

*Hong Yu, PhD*

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## **EDUCATION**

- January 2002-- Jan. 2008      PhD degree in Electrical and Electronics Engineering, Department, Electrical and Electronics Engineering and Computer Science, The Catholic University of America.
- January 1999 -- May 2000      Master degree of Electrical and Electronics Engineering, Department of Electrical Engineering and Computer Science, The Catholic University of America.
- Sep.1985 – June 1989          B.S degree in Electrical Engineering, Department of Electrical Engineering, Hunan University, China.

## **ACADEMIC/TEACHING EXPERIENCE**

- August 2018 – Present          Assistant Professor, Department of Engineering Technology Department, Fitchburg State University, MA
- August 2017 – May, 2018      Adjunct professor, Department of Computer and Information Science in Towson University, MD
- August 2017 – May, 2018      Adjunct professor, Department of Computer Science in Bowie State University
- August 2010 – June 2017      Professor and Director of Electrical & Computer Engineering Laboratory, Department of Electrical Engineering, Capitol Technology University
- January 2009 – May 2010      Associate Professor, Department of Engineering and Technology in Thomas Nelson Community College
- May 2009 – August 2010      Specialist, Canon Virginia Inc. in North American, VA
- August 2001 – Dec.2008      Assistant Professor, Department of Electrical Engineering And Supervisor of Electrical Engineering Lab in Capitol College
- Dec. 1990 – April 1998      Electrical Engineer, development department of Zhuzhou Power Generator Company

## **ACADEMIC HONORS AND AWARDS**

- Senior Member, Institute of Electrical and Electronics Engineers (IEEE)
- Member, American Society for Engineering Education (ASEE)
- Vice Chairman, Aerospace and Electronic Systems (AES) Society of IEEE Baltimore
- Chairman, Robot Society of IEEE Worcester County
- Member, IEEE Electron Devices Society (EDS)
- Faculty Researcher of the year 2013-2014

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- Specialist 2009 in Canon Virginia Inc.
- Judge, Worcester Regional Science and Engineering Fair (2020 ~ Present)
- Judge, FIRST LEGO League Challenge Qualifier (2019 ~ Present)
- Judge, Robotics Challenge of IEEE Baltimore Section (2013 ~ 2020)

### **PUBLISHED BOOK**

- Hong Yu, “A Multiple Access Protocol for Multimedia Transmission over Wireless Networks”, ISBN-13: 978-3659120619, LAMBERT Publication, 2012

### **SELECTED PUBLICATIONS**

- **Hong Yu**, Sean-Paul Tomer, Marcus Perla, Yvette Yu, “Study of Classification of Human Emotion Features from EEG Signals at Minimum Free Energy Operated Effortlessly”, European Journal of Engineering and Technology Research(EJERS), Vol. 6, No. 6, pp82-86, October 2021
- **Hong Yu**, Marcus Perla, Fanming Liu, “A Multiple Access Protocol for Multimedia Transmission over 5G Wireless Asynchronous Transfer Mode Network” 2021 IEEE World AI IoT Congress, IEEE Xplore, ISBN: 978-1-6654-3568-0, pp319~324, May, 2021
- **Hong Yu**, Alex Pyankov, Marcus Perla, “A Developed Sensor for Color Identification, Sorting and Counting Automation Control System” European Journal of Engineering and Technology Research, Vol. 6, No. 2, pp75-80, February 2021
- Jing Wang, Anqi Hou, Yuanfei Tu, **Hong Yu**, “An Improved DV-Hop Localization Algorithm Based on Selected Anchors”, Computers, Materials & Continua (CMC), ISBN: 1546-2226, Vol.65, No.1, pp 977-991, April, 2020
- **Hong Yu**, Harold Szu and H. Huang, "Smartphones, Grounds, Satellites, UAVs for Earthquake Nowcast," 2019 IEEE 9th Annual Computing and Communication Workshop and Conference (CCWC), IEEE Xplore, ISBN: 978-1-7281-0554-3, pp. 0361-0365, January, 2019
- Harold Szu, Mike Wardlaw, Jeff Willey, Charles Hsu, Kim Scheff, Simon Foo, Henry Chu, Joseph Landa, Yufeng Zheng, Jerry Wu, Eric Wu, **Hong Yu**, Guna Seetharaman. Jae H. Cha “Theory of Glial cells & Neurons emulating Biological Neural Networks (BNN) for Natural Intelligence (NI) operated effortlessly at a Minimum Free Energy (MFE)”, MOJ Applied Bionics and Biomechanics, page 1-26, Vol 1, No1, May, 2017
- Xuezhen Cheng, **Hong Yu**, Maoyong Cao “ A Multi-scale Analysis Method of the Dust Electrostatic Signals Based On the db2 Wavelet and the Fractal R/S” Journal of Mitteilungen Klosterneubury, page 54-59, Vol 64, No.2, Feb. 2014
- **Hong Yu** and Mohammed Arozullah, “A Multiple Access Protocol for Multimedia Transmission over Wireless Network” , International Journal of Computer Networks & Communications (IJCNC) Vol.3, No.2, page107-123, March 2011