A Short CV of Deng Cao

Education:
- Ph.D. in Computer Science, West Virginia University, USA
- Master of Science in Statistics, West Virginia University, USA
- Master of Science in Physics, West Virginia University, USA
- Bachelor of Science in Physics Education, Hunan Normal University, China

Research Area:
- Computer Vision / Image Processing
- Biometrics
- Cyber Security
- Pattern Recognition
- Machine Learning

Grants and Awards:
- Principal investigator in of NSF TUES: Software Defined Radio Laboratory Platform for Enhancing Undergraduate Communication and Networking Curricula grant (2013-2016).
- Principal investigator of NSF CHPSA (Center for Human Performance & Sensor Applications) mini-grant (2013-2014).

Selected Publications:
- **Deng Cao**, Zhiqiang Wu, Bin Wang and Chi-Hao Cheng. Software Defined Radio based Laboratories in Undergraduate Computer Networking Courses. In *American Society for Engineering Education Annual Conference*, 2016
- Zhiqiang Wu, Bin Wang, Chi-Hao Cheng and **Deng Cao**. Software Defined Radio based General Modulation/Demodulation Platform for Enhancing Undergraduate Communication and Networking Curricula. In *American Society for Engineering Education Annual Conference*, 2016
- Chi-Hao Cheng, Zhiqiang Wu, Bin Wang and **Deng Cao**. Software Defined Radio for Digital Signal Processing Related Courses. In *American Society for Engineering Education Annual Conference*, 2016
- Zhiqiang Wu, Bin Wang, Chi-Hao Cheng, **Deng Cao** and Ashraf Yaseen. Software Defined Radio Laboratory Platform for Enhancing Undergraduate Communication and Networking Curricula. In *American Society for Engineering Education Annual Conference*, 2014
- **Deng Cao**, Cunjian Chen, Donald Adjeroh, and Arun Ross. Predicting Gender and Weight from Human Metrology using a Copula Model. In *International Conference on Biometrics: Theory, Applications and System*, 2012
- **Deng Cao**, Cunjian Chen, Marco Piccirilli, Donald Adjeroh, Thirimachos Bourlai, and Arun Ross. Can facial metrology predict gender? In *International Joint Conference on Biometrics*, 2011
- Donald. Adjeroh, **Deng Cao**, Marco Piccirilli, and Arun Ross. Predictability and correlation in human metrology. In *International Workshop on Information Forensics and Security*, 2010
- T. Bourlai, N. Kalka, **D. Cao**, B. Decann, Z. Jafri, F. Nicolo, C. Whitelam, J. Zuo, D. Adjeroh, B. Cukic, J. Dawson, L. Hornak, A. Ross and N. A. Schmid. Ascertaining Human Identity in Night Environments. Book Chapter in *Distributed Video Sensor Networks*, Springer, 2011

- **Deng Cao**, Cunjian Chen, Marco Piccirilli, Donald Adjeroh, Thirimachos Bourlai, and Arun Ross. Gender Prediction via Facial Metrology. Submitted to *IEEE Transactions on Information Forensics and Security*, 2013
- **Deng Cao** and Donald Adjeroh. On the Individuality of Human Metrology. Submitted to *IEEE Transactions on Systems, Man, and Cybernetics*, 2013
- **Deng Cao** and etc. Pair Distribution Function of Silicon/Silicon Nitride Interface, Honored poster presentation, *American Physical Society Meeting*, 2006
- Yongjiu Wang and **Deng Cao**. Acceleration of A Test Particle in the Gravitational Field of Central Mass with A Large Number of Magnetic Monopoles, *Chinese Physics*, Vol.13，No.5，2004
- **Deng Cao** and etc. Accelerating Effect in Kerr-Newman-Kasuya Field, *Communications in Theoretical Physics*, Vol.38, No.4, 2002