Xiaoliang Wang

CONTACT INFORMATION	Lockett Hall 104 Virginia State University Petersburg, VA 23806, USA	*Phone:* (804)524-1211 *E-mail:* xwang@vsu.edu

EDUCATION

Binghamton University, State University of New York, Binghamton, New York, USA

Ph.D. in Electrical Engineering, 2018
- Advisor: Zhanpeng Jin

Tongji University, Shanghai, China

M.S. in Electrical Engineering, 2009
- Advisor: Tao Lin

Tongji University, Shanghai, China

B.S. in Electrical Engineering, with highest honor, 2006

ACADEMIC EXPERIENCE

Virginia State University, Petersburg, Virginia, USA

Assistant Professor   **2018 - present**

Binghamton University, State University of New York, Binghamton, New York, USA

Teaching Assistant   **2013**

PUBLICATIONS

Benjamin Standfield, Wei-Bang Chen, Yujuan Wang, Yongjin Lu, Ahmed F. Abdelzaher, **Xiaoliang Wang**, Xin-Guang Yang, "Using Convolutional Neural Networks to Detect and Extract Retinal Blood Vessels in Fundoscopic Images," *IEEE 2nd International Conference on Multimedia Information Processing and Retrieval (IEEE MIPR 2019)*, March, 2019. (acceptance rate=19.3%)

Wei-Bang Chen, Benjamin Standfield, Song Gao, Yongjin Lu, **Xiaoliang Wang**, Zimmerman Ben, "A Fully Automated Porosity Measure for Thermal Barrier Coating Images," *International Journal of Multimedia Data Engineering and Management (IJMDEM)*, vol. 9, no. 4, 2018.

Xiaoliang Wang, Peng Cheng, Xinchuan Liu, Benedict Uzochukwu, "Fast and Accurate, Convolutional Neural Network based Approach for Object Detection from UAV," *IECON 2018 - 44th Annual Conference of the IEEE Industrial Electronics Society*, October, 2018.

Xiaoliang Wang, Yongjin Lu, Yujuan Wang, Wei-Bang Chen, "Diabetic Retinopathy Stage Classification Using Convolutional Neural Networks," *2018 IEEE International Conference on Information Reuse and Integration (IRI)*, July, 2018.

Xiaoliang Wang, Peng Cheng, Xinchuan Liu and Benedict Uzochukwu, "Focal Loss Dense Detector for Vehicle Surveillance," *the 3rd International Conference on Intelligent Systems and Computer Vision(ISCV)*, April, 2018.

Xiaoliang Wang, Wei Wang and Zhanpeng Jin, "Context-Aware, Reinforcement Learning-Based Mobile Cloud Computing for Telemonitoring," in *International Conference on Biomedical and Health Informatics (BHI)*, March, 2018.

Xiaoliang Wang, Wenyao Xu and Zhanpeng Jin, "A Hidden Markov Model Based Dynamic Scheduling Approach for Mobile Cloud Health Monitoring," in *International Conference on Biomedical and Health Informatics (BHI)*, February, 2017. (acceptance rate=14% for oral presentation)

Xiaoliang Wang, Qiong Gui, Bingwei Liu, Zhanpeng Jin, and Yu Chen, "Enabling Smart Personalized Healthcare: a Hybrid Mobile-Cloud Approach for ECG Telemonitoring," *IEEE Journal of Biomedical and Health Informatics (JBHI)*, vol. 18, no. 3, pp. 739-745, May 2014.

Qiong Gui, **Xiaoliang Wang**, Bingwei Liu, Zhanpeng Jin, and Yu Chen, "Finding Needles in a Haystack: Reducing False Alarm Rate Using Telemedicine Mobile Cloud," in *1st Workshop on Mobile Cloud Computing in Healthcare (WMCCH)*, in conjunction with *IEEE Int'l Conf. on Healthcare Informatics (ICHI)*, September, 2013.

Zhanpeng Jin,**Xiaoliang Wang**, Qiong Gui, Bingwei Liu, and Sejun Song, "Improving Diagnostic Accuracy Using Multiparameter Patient Monitoring Based on Data Fusion in the Cloud," in *Proceedings of Int'l Workshop on Cloud Enhanced Information Fusion (CloudFusion)*, in conjunction with *8th FTRA International Conference on Future Information Technology (FutureTech)*, pp. 473-476, September, 2013.

Xiaoliang Wang, Qiong Gui, Bingwei Liu, Yu Chen, and Zhanpeng Jin, "Leveraging Mobile Cloud for Telemedicine: A Performance Study in Medical Monitoring," in *Proceedings of 39th Northeast Bioengineering Conference (NEBEC)*, pp. 49-50, April 2013.

Xiaoliang Wang, Kailun Zhou and Tao Lin, "Design of H.264 Double Slice Decoder", Journal of Cable Television Technology, pp.103-105, December 2008.

PROFESSIONAL EXPERIENCE	**Vanteon Corporation**, Fairport, New York, USA
	Software Engineer Intern **2015**

Vanteon Corporation, Fairport, New York, USA

Software Engineer Intern — **2015**

SUNY Research Foundation (sponsored by Xerox Research Center Webster), Webster, New York, USA

Research Associate/Assistant — **2014**

Actions Semiconductor, Inc., Shanghai, China

Software Engineer — **2010 - 2012**

Mavrix Technology, Inc., Shanghai, China

Software Engineer — **2009 - 2010**

Institute of Very Large Scale Integration of Tongji University, Shanghai, China

Research Assistant — **2007 - 2009**

PROFESSIONAL SERVICE

Technical Program Committee:

TPC Member, IEEE Workshop on Machine Learning and Artificial Intelligence for Multimedia Creation, 2018

Reviewers for:
- Journals:
  Computers in Biology and Medicine
  Computers and Electrical Engineering
  IEEE Transactions on Industrial Informatics
  IET Healthcare Technology Letters
  MDPI Sensors
  MDPI Electronics
  International Journal of Internet Technology and Secured Transactions (IJITST)
  Biomedical Engineering/Biomedizinische Technik (BMT)
- Conferences:
  IEEE/CAS-EMB Biomedical Circuits and Systems Conference (BioCAS)
  International Conference on Biomedical and Health Informatics (BHI)
  International Conference on Wearable and Implantable Body Sensor Networks (BSN)
  International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)
  IEEE Signal Processing in Medicine and Biology Symposium (SPMB)
  IEEE International Conference on Consumer Electronics (ICCE)