

KAONING HU

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Education

State University of New York at Binghamton, Binghamton, New York

PhD, Computer Science

July 2015

Concentration: Computer Vision, Pattern Recognition, and HCI

Huazhong University of Science & Technology (HUST), Wuhan, China

MS, Electronics & Information Engineering

June 2008

Concentration: Digital Image Processing

BS, Electronics & Information Engineering

June 2006

Work Experience

Assistant Professor – Department of Computer Science, Texas A&M University Commerce

Aug 2017 – present

Courses teaching: CSCI 151 Introduction to Computer Science and Programming,
CSCI 380 Web Programming and Interface

Responsibility: Teach undergraduate and graduate students, carry out externally-
funded research program, and serve the university

Assistant Professor – Department of Math & Computer Science, Webster University

Aug 2016 – Aug 2017

Courses teaching: Programming I, Telecommunications (Introduction to the Internet),
Computer Architecture.

Responsibility: Develop course material, teach and evaluate freshmen students,
advice students, serve the university

Assistant Professor – Dept. of Math & Computer Science, University of Central Missouri

Aug 2015 – Aug 2016

Courses teaching: Adv. Software Engineering, Database Theory & App.

Responsibility: Develop course material, teach and evaluate graduate students

Academic Service

Registered Reviewer of the following academic journal and conferences:

FGR 2018: IEEE International Conference on Automatic Face & Gesture Recognition

NEUCOM: Elsevier Journal Neurocomputing 2017

DICTA 2017: International Conference on Digital Image Computing: Tech. and App.

VCIP 2017: IEEE Conference on Visual Communications & Image Processing

ICPR 2016: International Conference on Pattern Recognition

Patent

Lijun Yin, Kaoning Hu, Shaun Canavan. "Hand Pointing Estimation for Human Computer Interaction." STATE UNIV OF NEW YORK AT BINGHAMTON, 2015 (Patent No. 8,971,572).

Publications

Tianyang Wang, Mingxuan Sun, and Kaoning Hu. "Dilated Residual Network for Image Denoising." Accepted by IEEE International Conference on Tools with Artificial Intelligence (ICTAI), 2017.

Kaoning Hu and Lijun Yin. "Multiple Feature Representations from Multi-Layer Geometric Shape for Hand Gesture Analysis." In Automatic Face and Gesture Recognition (FG), 2015 11th IEEE International Conference and Workshops on, vol. 1, pp. 1-7. IEEE, 2015. (*Cited by 3*)

Kaoning Hu and Lijun Yin. "Multi-scale Topological Features for Hand Posture Representation and Analysis." Computer Vision (ICCV), 2013 IEEE International Conference on, pp. 1928-1935. IEEE, 2013. (*Cited by 8*)

Michael J. Reale, Shaun Canavan, Lijun Yin, Kaoning Hu, and Terry Hung. "A Multi-Gesture Interaction System Using A 3-D Iris Disk Model for Gaze Estimation and An Active Appearance Model for 3-D Hand Pointing." Multimedia, IEEE Transactions on, 13, no. 3 (2011): 474-486. (*Cited by 50*)

Kaoning Hu, Shaun Canavan, and Lijun Yin. "Hand Pointing Estimation for Human Computer Interaction Based on Two Orthogonal-Views." In Pattern Recognition (ICPR), 2010 20th International Conference on, pp. 3760-3763. IEEE, 2010. (*Cited by 31*)

Yiping Xu, Kaoning Hu, Yan Tian, and Fuyuan Peng. "Classification of Hyperspectral imagery using SIFT for spectral matching." In Image and Signal Processing, 2008. CISP'08. Congress on, vol. 2, pp. 704-708. IEEE, 2008. (*Cited by 12*)

Yiping Xu, Kaoning Hu, and Jianxin Han. "Classification based on the EMD of hyperspectral curve." In Second International Conference on Spatial Information Technology, pp. 679541-679541. International Society for Optics and Photonics, 2007. (*Cited by 3*)

Yiping Xu, Kaoning Hu, and Jianxin Han. "Hyperspectral image fusion using empirical mode decomposition." In International Symposium on Multispectral Image Processing and Pattern Recognition, pp. 67891R-67891R. International Society for Optics and Photonics, 2007. (*Cited by 1*)

Awards

Students Travel Grant - ICCV 2013: International Conference of Computer Vision, Sydney, Australia
Dec 2013