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Education

2011–2017: M.S. and Ph.D. in Computer Science, University of Massachusetts, Amherst, MA.
2009–2011: M.S. in Mathematics, Zhejiang University, Hangzhou, China.
2005–2009: B.S. in Applied Mathematics, Zhejiang University, Hangzhou, China.

Research Experience

Learning and 3D Geometry Processing

Image and Video Processing

Work Experience

Research Scientist @ Megvii/Face++ Research, October 2017-Present
Research Intern @ Autodesk Research, February 2017- August 2017
Research Intern @ Adobe Research, May 2015- August 2015, November 2015- January 2016

Publication

[16] Shaofan Cai, Xiaoshuai Zhang, Haoqiang Fan, **Haibin Huang**, Jiangyu Liu, Jiaming Liu, Jiaying Liu, Jue Wang, Jian Sun "Disentangled Image Matting ", ICCV 2019

[15] Yi He, Jiayuan Shi, Chuan Wang, **Haibin Huang**, Jiaming Liu, Guanbin Li, Risheng Liu, Jue Wang "Semi-supervised Skin Detection by Network with Mutual Guidance ", CVPR 2019

[14] Yang Wang, **Haibin Huang**, Chuan Wang, Tong He, Jue Wang, Minh Hoai "GIF2Video: Color Dequantization and Temporal Interpolation of GIF images ", CVPR 2019

[13] Tong He, **Haibin Huang**, Li Yi, Yuqian Zhou, Chihao Wu, Jue Wang, Stefano Soatto "GeoNet: Deep Geodesic Networks for Point Cloud Analysis ", CVPR 2019

[12] Chuan Wang, **Haibin Huang**, Xiaoguang Han, Jue Wang "Video Inpainting by Jointly Learning Temporal Structure and Spatial Details", AAAI 2019

[11] Kekai Sheng, Weiming Dong, **Haibin Huang**, Chongyang Ma, Bao-Gang Hu "Gourmet Photography Dataset for Food Image Aesthetic Assessment", SIGGRAPH ASIA 2018 Technical Briefs

[10] Li Yi, **Haibin Huang**, Difan Liu, Evangelos Kalogerakis, Hao Su, Leonidas Guibas "Deep Part Induction from Articulated Object Pairs", SIGGRAPH ASIA 2018

[9] Hao Wang, Nadav Schor, Ruizhen Hu, **Haibin Huang**, Daniel Cohen-Or, Hui Huang "Global-to-Local Generative Model for 3D Shapes ", SIGGRAPH ASIA 2018

[8] **Haibin Huang**, Evangelos Kalogerakis, Siddhartha Chaudhuri, Duygu Ceylan, Vladimir G. Kim, M. Ersin Yumer"Learning Local Shape Descriptors from Part Correspondences With Multi-view Convolutional Networks ", TOG 2018

[7] ZhaoLiang Lun, Changqing Zou, **Haibin Huang**, Evangelos Kalogerakis, Ping Tan, Marie-Paule Cani, Hao Zhang "Learning to Group Discrete Graphical Patterns ", SIGGRAPH ASIA 2017

[6] Xiaoguang Han, Zhen Li, **Haibin Huang**, Evangelos Kalogerakis, Yizhou Yu "High Resolution Shape Completion Using Deep Neural Networks for Global Structure and Local Geometry Inference ", ICCV 2017

[5] Amir Arsalan Soltani, **Haibin Huang**, Jiajun Wu, Tejas Kulkarni, Joshua Tenenbaum "Synthesizing 3D Shapes via Modeling Multi-View Depth Maps and Silhouettes with Deep Generative Networks ", CVPR 2017

[4] **Haibin Huang**, Evangelos Kalogerakis, M. Ersin Yumer , Radomír Měch "Shape Synthesis from Sketches via Procedural Models and Convolutional Networks ", IEEE Transactions on Visualization and Computer Graphics 2017

[3] **Haibin Huang**, Evangelos Kalogerakis, Benjamin Marlin "Analysis and synthesis of 3D shape families via deep-learned generative models of surfaces ", SGP 2015

[2] Chongyang Ma, **Haibin Huang**, Alla Sheffer, Evangelos Kalogerakis, Rui Wang "Analogy-Driven 3D Style Transfer ", Eurographics 2014

[1] Yahan Zhou, **Haibin Huang**, Li-Yi Wei and Rui Wang, "Point Sampling with General Noise Spectrum", SIGGRAPH 2012

Patents

Automatic generation 3d drawing objects based on a 2d design input, Radomír Měch, M. Ersin Yumer , **Haibin Huang**, US Patent App. 15/014,386, 2016

Programming Skills

C++, Python, CUDA, OpenCV, OpenGL, Matlab, LaTeX

Other Links

GitHub: https://github.com/brotherhuang

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