Kangxue Yin

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Education

- Sep. 2015 – May. 2020 (expected)
  Ph.D. in Computer Science, **Simon Fraser University**, Burnaby, Canada
  - Supervisor: Prof. Hao (Richard) Zhang
  - Committee members: Prof. Hui Huang, Prof. Daniel Cohen-Or
- Sep. 2008 - Jul. 2012
  B.Eng. in Software Engineering, **Chang'an University**, Xi'an, China
  - Advisor: Prof. Youquan Liu

Work Experience

- Jun. 2019 - Sep. 2019
  Research Intern, **Adobe Research**, San Francisco, U.S.
  - with Dr. Siddhartha Chaudhuri, Dr. Matthew Fisher, and Dr. Vladimir Kim.
- Jul. 2012 - Aug. 2015
  Research Assistant, **Shenzhen Institutes of Advanced Technology, CAS**, Shenzhen, China
  - with Prof. Hui Huang, Prof. Daniel Cohen-Or, Prof. Hao (Richard) Zhang

Publications

[1]. LOGAN: Unpaired Shape Transform in Latent Overcomplete Space
K. Yin, Z. Chen, H. Huang, D. Cohen-Or, H. Zhang.
ACM Transactions on Graphics 38(6)(Special Issue of SIGGRAPH ASIA 2019).
*[selected by SIGGRAPH ASIA 2019 as **one of six papers featured for press release**]*

[2]. BAE-NET: Branched Autoencoder for Shape Co-Segmentation.
Z. Chen, **K. Yin**, M. Fisher, S. Chaudhuri, H. Zhang.
Proc. of ICCV 2019

[3]. P2P-NET: Bidirectional Point Displacement Net for Shape Transform.
K. Yin, H. Huang, D. Cohen-or, H. Zhang.
ACM Transactions on Graphics 37(4)(Special Issue of SIGGRAPH 2018).

[4]. A Sampling Approach to Generating Closely Interacting 3D Pose-pairs from 2D Annotations.
K. Yin, H. Huang, E. Ho, H. Wang, T. Komura, D. Cohen-Or, H. Zhang.
IEEE Transactions on Visualization and Computer Graphics(TVCG), 2018.

[5]. Full 3D Plant Reconstruction via Intrusive Acquisition.
K. Yin, H. Huang, P. Long, A. Gaissinski, M. Gong, A. Sharf.
Computer Graphics Forum(CGF) 34(2), 2016.

[6]. Generalized Cylinder Decomposition.
Y. Zhou**, K. Yin**, H. Huang, H. Zhang, M. Gong, D. Cohen-Or.
ACM Transactions on Graphics 34(6) (Special Issue of SIGGRAPH ASIA 2015).

[7]. Morfit: Interactive Surface Reconstruction from Incomplete Point Clouds with Curve-Driven Topology and Geometry Control.
K. Yin, H. Huang, H. Zhang, M. Gong, D. Cohen-or, B. Chen.
ACM Transactions on Graphics 33(6) (Special Issue of SIGGRAPH ASIA 2014).

[8]. "Mind the Gap": Tele-Registration for Structure-Driven Image Completion.
H. Huang**, K. Yin**, M. Gong, D. Lischinski, D. Cohen-Or, U. Ascher, B. Chen.
ACM Transactions on Graphics 32(6) (Special Issue of SIGGRAPH ASIA 2013).

References

Hao(Richard) Zhang
Professor, Simon Fraser University
haoz@sfu.ca

Daniel Cohen-Or
Professor, Tel Aviv University
dcor@tau.ac.il

Siddhartha Chaudhuri
Senior Research Scientist, Adobe Research
sidch@adobe.com

Teaching Experience

CMPT 225 – Data Structures and Programming	TA, Summer 2016, SFU
CMPT 102 – Introduction to Scientific Computer Programming	TA, Fall 2018, SFU
CMPT 767 – Visualization	TA, Fall 2018, SFU
CMPT 742 – Practices in Visual Computing	TA, Fall 2019, SFU

Technical Skills

Programming - C/C++, Python, Matlab, TensorFlow, OpenGL, CUDA, etc.

Program Committees

ACM SIGGRAPH Symposium on Interactive 3D Graphics and Games (I3D) 2020

Selected Honors

Chinese Government Award for Outstanding Self-financed Students Abroad	2018
SFU Graduate Fellowship	SFU, 2016~17
Faculty of Applied Sciences Graduate Fellowship	SFU, 2016~17
Computing Science Graduate Fellowship	SFU, 2015~18
Special Graduate Entrance Scholarship	SFU, 2015
Annual Excellent Employee Award	SIAT-CAS, 2014
Annual Excellent Employee Award	SIAT-CAS, 2013
2nd Prize in NVIDIA GPU Programming Contest	NVIDIA China, 2011
3rd Prize in NVIDIA GPU Programming Contest	NVIDIA China, 2010
Top Class Scholarship awarded by Chang'an University	2009-10