



Jianwei Guo

Education

- Sept. 2011– Present **Ph.D.**, National Laboratory of Pattern Recognition, Institute of Automation, Chinese Academy of Sciences, Beijing, China,
Supervisor: Prof. Xiaopeng Zhang, Assoc. Prof. Dongming Yan,
Major: Computer Applications Technology.
- Sept. 2007– June 2011 **B.Eng.**, School of Software, Shandong University, Jinan, China,
Major: Digital Media Technology.

Research Interests

Computer Graphics Geometric Processing, 3D Shape Analysis, Plant Modeling

Research Experiences

- Apr. 2014– Feb. 2015 **Visiting Scholar PhD Student**, Visual Computing Research Center , Shenzhen Institutes of Advanced Technology, Shenzhen,
Supervisor: Prof. Oliver Deussen, Assoc. Prof. Zhanglin Cheng.

Publications

- Published (7) Jianwei Guo, Dong-ming Yan, Xiaohong Jia, Xiaopeng Zhang, "**Efficient Maximal Poisson-disk Sampling and Remeshing on Surfaces**", *Computers & Graphics (Proceedings of SMI 2014)*, 46: 72-79, February 2015. (won **Honorable Mention Best Paper Award** at SMI)
- (6) Dong-ming Yan, Jianwei Guo, Xiaohong Jia, Xiaopeng Zhang, Peter Wonka, "**Blue-Noise Remeshing with Farthest Point Optimization**", *Computer Graphics Forum (Proceedings of SGP 2014)*, 33(5): 167-176, 2014.
- (5) Jianwei Guo, Dong-ming Yan, Guanbo Bao, Weiming Dong, Peter Wonka, Xiaopeng Zhang, "**Efficient Triangulation of Poisson-disk Sampled Point Sets**", *The Visual Computer (Proceedings of CGI 2014)*, 30(6-8): 773-785, 2014.
- (4) Jianwei Guo, Dong-ming Yan, Er Li, Weiming Dong, Peter Wonka, Xiaopeng Zhang, "**Illustrating the Disassembly of 3D Models**", *Computers & Graphics (Proceedings of SMI 2013)*, 37(6), 574-581, 2013.

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(3) Xavier Bonaventura, Jianwei Guo, Weiliang Meng, Miquel Feixas, Xiaopeng Zhang, Mateu Sbert, "**3D shape retrieval using viewpoint information-theoretic measures**", *Computer Animation and Virtual Worlds*, 2013.

(2) Xavier Bonaventura, Jianwei Guo, Weiliang Meng, Miquel Feixas, Xiaopeng Zhang, Mateu Sbert, "**Viewpoint information-theoretic measures for 3D shape similarity**", *VRCAI 2013*, 183-190.

(1) Lu Wang, Jian-Wei Guo, Cheng-Lei Yang, Hai-Seng Zhao, and Xiang-Xu Meng, "**O3D-based game learning environments for cultural heritage online education**", *Entertainment for Education, Lecture Notes in Computer Science (Entertainment 2010)*, Volume 6249, pp.417-428, 2010.

Under review

Patents

Chinese Patents Jianwei Guo, Dong-ming Yan, Weiliang Meng, Xiaopeng Zhang, Weiming Dong.
An automatic disassembling method for assembly models. Patent for invention, Application Number: CN201310225943, Open Number: CN103279621A, Date: 2013-09-04.

Professional Activities

October 2014 Participate in "Shape Modeling International (SMI) conference", and give an oral presentation, Hong Kong.

July 2014 Participate in "Symposium on Geometry Processing (SGP) conference", and give an oral presentation, Cardiff, UK.

June 2014 Participate in "Computer Graphics International (CGI) conference", and give an oral presentation, Sydney, NSW, Australia.

July 2013 Participate in "Shape Modeling International (SMI) conference", and give an oral presentation, Bournemouth, UK.

Reviewer VRCAI (2013), ICVRV (2013, 2014).

Awards

2014 **Outstanding Student Award**, University of Chinese Academy of Sciences.

2014 **Honorable Mention Best Paper Award**, Shape Modeling International 2014 and Computers & Graphics.

2010 **National Scholarship**, Ministry of Education of the People's Republic of China.

2008, 2010 **First Prize Scholarship, Excellent student**, Shandong University.

2008, 2009 **National Encouragement Scholarship**, Ministry of Education of the People's Republic of China.

2009 **Second Prize Scholarship**, Shandong University.

Skills

Programming Skillful in C/C++, OpenGL, Qt, LATEX, CUDA

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Language Good English writing and reading skills (CET-6)
Others Strong ability of self-learning and team work spirit.

Hobbies

Reading Literature and technology books
Sports Football (win several medals in the Football League of CASIA and GUCAS),
Billiards