Yipeng Qin

CONTACT INFORMATION	Al-Khawarizmi Building (1), Level 2, Room 2101 Thuwal 23955-6900, Saudi Arabia	+966 XXX XXX XXXX yipeng.qin@kaust.edu.sa

RESEARCH INTERESTS

Geometry Processing, Computer Graphics, Computer Vision

EDUCATION

Ph.D. in Computer graphics 2013.10 – 2017.07

National Centre for Computer Animation (NCCA)
Bournemouth University, United Kingdom

Thesis: Fast and Exact Geodesic Computation using
Edge-based Windows Grouping

B.Eng.(Hons) in Electronic Engineering 2009.09 – 2013.06

School of Electronic Information and Electrical Engineering
Shanghai Jiao Tong University, P.R.China

PUBLICATIONS

Yipeng Qin, Hongchuan Yu, Jianjun Zhang. "Fast and Memory-Efficient Voronoi Diagram Construction on Triangle Meshes." *Computer Graphics Forum*, Vol 36, No 5, **SGP 2017**. [link]

Yipeng Qin*, Xiaoguang Han*, Hongchuan Yu, Yizhou Yu, Jianjun Zhang. "Fast and Exact Discrete Geodesic Computation Based on Triangle-Oriented Wavefront Propagation." *ACM Transactions on Graphics*, Vol 35, No 4, **SIGGRAPH 2016**. (* joint first authors) [link]

Hongchuan Yu, **Yipeng Qin**, Jianjun Zhang. "Eigenspace-based surface completeness." *Journal of Electronic Imaging*, 24(2), 2015. [link]

PATENTS

Yipeng Qin. Idle-Bandwidth Self-Adaption Method for Internet Video Streaming Media Transmission. Patent Number: ZL 2013 1 0108664.5 . Filed March 29, 2013 and issued April 27, 2016. *Chinese Patent.* [link]

PRESENTATIONS

Invited Talk, Prof. Shengyong Chen's group, Tianjin, P.R.China	2017.10
Oral Presentation, SGP 2017, London, United Kingdom	2017.07
Invited Talk, IEA/AIE 2017 workshop CAnimAI, Arras, France	2017.06
Oral Presentation, SIGGRAPH 2016, Anaheim, CA, U.S.	2016.06

RESEARCH EXPERIENCE

Post Doctoral Fellow 2017.11 – now

Visual Computing Center
King Abdullah University of Science and Technology, Saudi Arabia

Research Assistant 2013.02 – 2013.05

School of Electronic Information and Electrical Engineering
Shanghai Jiao Tong University, P.R.China

Topic: Vehicle Detection on Campus and Highways

Research Assistant   2012.06 – 2012.08

Image Communication and Information Processing Research Institute
Shanghai Jiao Tong University, P.R.China

Topic: Visual Attention Model for Saliency Detection

WORK EXPERIENCE

Intern Leader   2012.11 – 2013.01
BesTV Research Institute
BesTV New Media Co., Ltd., Shanghai, P.R.China

AWARDS

BU PhD Studentship (£14,000 p.a.)   **2013 − 2016**
Bournemouth University, UK

Student Leader Contribution Award   **2011 − 2012**
Shanghai Jiao Tong University, P.R.China

Academic Excellence Scholarship   **2010 − 2012**
Shanghai Jiao Tong University, P.R.China

Merit Student of Shanghai Jiao Tong University   **2010 − 2011**
Shanghai Jiao Tong University, P.R.China

Shing-Tung Yau High School Mathematics Award   **2008**
Suzhou High School, P.R.China

SKILLS

Programming C++/C, Matlab, Python, OpenGL, OpenCV, Eigen, etc.
Softwares Latex, Microsoft Office, Photoshop, Maya, Meshlab, etc.
Language Chinese Mandarin, English

PROFESSIONAL ACTIVITIES

Journal reviewer Mathematical Problems in Engineering
Conference reviewer ICVRV 2016, SIGGRAPH Asia 2017 Workshop D2AT
Website Developer EU H2020 project-AniAge (No.691215) Project Page [link]

REFERENCES

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Bournemouth University

Hongchuan Yu
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National Centre for Computer Animation   E-mail: hyu@bournemouth.ac.uk
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