

Hongbo Fu

Associate Professor

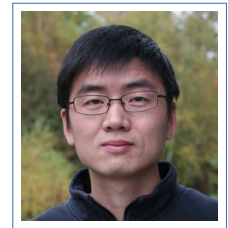
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Research Interests

Computer Graphics, User Interaction, Digital Geometry Processing, Interactive Editing of Images/Videos/Shapes

Education

2002–2007 **Ph.D. in Computer Science**, Hong Kong Univ. of Science & Technology, Hong Kong.

1998–2002 **B.Sc. in Information Sciences**, School of Mathematical Sciences, Peking Univ., China.

1999–2002 **B.Sc. in Economics**, China Center of Economic Research, Peking Univ., China.

Academic Experience

Since Jul. 2014 **Associate Professor**, School of Creative Media, City Univ. of Hong Kong, Hong Kong.

Jan. 2009 **Assistant Professor**, School of Creative Media, City Univ. of Hong Kong, Hong Kong.
–Jun. 2014

Sep. 2008 **Postdoc Researcher**, Department of Computer Graphics, Max-Planck-Institut Informatik,
–Jan. 2009 Germany.

Sep. 2007 **Postdoctoral Research Fellow**, Imager Laboratory, University of British Columbia,
–Aug. 2008 Canada.

Selected Publications (with representative work highlighted in blue and supervised students/RAs/postdocs highlighted with asterisk *)

2015

TVCG 15 C. Zou*, S. Chen, **H. Fu**, and J. Liu. **Progressive 3D reconstruction of planar-faced manifold objects with DRF-based line drawing decomposition**. *IEEE Transactions on Visualization and Computer Graphics*. Accepted for publication.

2014

SIGGRAPH Asia 14 C. K. Tsui*, C. H. Law*, and **H. Fu**. 2014. **One-man orchestra: conducting smart-phone orchestra**. *ACM SIGGRAPH Asia 2014 Emerging Technologies*.

SIGGRAPH Asia 14 Z. Huang, **H. Fu**, and R. W. H. Lau. 2014. **Data-driven segmentation and labeling of freehand sketches**. *ACM Transactions on Graphics (Proceedings of ACM SIGGRAPH Asia 2014)*

UIST 14 P. Xu*, **H. Fu**, T. Igarashi, and C.-L. Tai. 2014. **Global beautification of layouts with interactive ambiguity resolution**. *UIST 2014*. (Acceptance rate: 22.2%)

SIGGRAPH 14 Q. Su, W. H. A. Li*, J. Wang, and **H. Fu**. 2014. **EZ-Sketching: three-level optimization for error-tolerant image tracing**. *ACM Transactions on Graphics (Proceedings of ACM SIGGRAPH 2014)*. 33(4). Article No. 54. (Acceptance rate: 25.1%)

TVCG 14 Z. Huang, J. Wang, **H. Fu**, and R. W. H. Lau. 2014. **Structured mechanical collage**. *IEEE Transactions on Visualization and Computer Graphics*. 20(7): 1076–1082.

- Expressive 14 J. Liu, **H. Fu**, and C.-L. Tai. 2014. **Dynamic sketching: simulating the process of observational drawing**. *Expressive 2014*. (Acceptance rate: 39.1%)
- CGI 14 Z. Huang, J. Wang, R. W. H. Lau, and **H. Fu**. 2014. **Connection constrained 3D collage**. *Computer Graphics International 2014*. Short Paper
- 2013
- SIGGRAPH Asia 13 W. H. A. Li* and **H. Fu**. 2013. **BezelCursor: Bezel-initiated cursor for one-handed target acquisition on mobile touch screens**. *ACM SIGGRAPH Asia 2013 Symposium on Mobile Graphics and Interactive Applications*. Demonstrations.
- SIGGRAPH Asia 13** **H. Fu**, X. Han*, and Q. H. Phan*. 2013. **Data-driven suggestions for portrait posing**. *ACM SIGGRAPH Asia 2013 Technical Briefs*.
- SIGGRAPH Asia 13** **H. Fu**, X. Han*, and Q. H. Phan*. 2013. **Data-driven suggestions for portrait posing**. *ACM SIGGRAPH Asia 2013 Emerging Technologies*. (Best Demo Award; one of the four program highlights among all the accepted works)
- SIGGRAPH 13** K. Xu, K. Chen, **H. Fu**, W.-L. Sun, S.-M. Hu. 2013. **Sketch2Scene: sketch-based co-retrieval and co-placement of 3D models**. *ACM Transactions on Graphics (Proceedings of ACM SIGGRAPH 2013)*. 32(4). Article No. 123. (Acceptance rate: 24%)
- CGA 13** X. Han*, **H. Fu**, H. Zheng*, L. Liu, and J. Wang. 2013. **A video-based interface for hand-driven stop motion animation production**. *IEEE Computer Graphics and Applications*. 33(6): 70–81.
- CAD 13 B. Liao, C. Xiao, L. Jin, and **H. Fu**. 2013. **Efficient feature-preserving local projection operator for geometry reconstruction**. *Computer Aided Design*. 45(5): 861–874.
- VR 13 L. Chen, **H. Fu**, W. H. A. Li*, and C.-L. Tai. 2013. **Scalable maps of random dots for middle-scale locative mobile games**. *Proceedings of IEEE Virtual Reality 2013*.
- 2012
- SIGGRAPH Asia 12** C.-H. Shen, **H. Fu**, K. Chen, and S.-M. Hu. 2012. **Structure recovery by part assembly**. *ACM Transactions on Graphics (Proceedings of ACM SIGGRAPH Asia 2012)*. 31(6). Article No. 172. (Acceptance rate: 24%)
- SIGGRAPH Asia 12** P. Xu*, **H. Fu**, O. K.-C. Au, and C.-L. Tai. 2012. **Lazy selection: a scribble-based tool for smart shape elements selection**. *ACM Transactions on Graphics (Proceedings of ACM SIGGRAPH Asia 2012)*. 31(6). Article No. 137. (Acceptance rate: 24%)
- PG 12 J. Liu, O. K.-C. Au, **H. Fu**, and C.-L. Tai. 2012. **Two-finger gestures for 6DOF manipulation of 3D objects**. *Computer Graphics Forum (Proceedings of Pacific Graphics 2012)*. 31(7): 2047–2055. (Acceptance rate: 19.6%)
- ICIP 12 B. Bao* and **H. Fu**. 2012. **Vectorizing line drawings with near-constant line width**. *IEEE International Conference on Image Processing 2012*. pp. 805–808. (Acceptance rate: xxx%)
- SIGGRAPH 12** W. H. A. Li* and **H. Fu**. 2012. **Augmented reflection of reality**. *ACM SIGGRAPH 2012 Emerging Technologies*. (SCM's first and CityU's second exhibition at SIGGRAPH Emerging Technologies)
- Eurographics 12 O. K.-C. Au, C.-L. Tai, and **H. Fu**. 2012. **Multitouch gestures for constrained transformation of 3D objects**. *Computer Graphics Forum (Proceedings of Eurographics 2012)*. 31(2): 651-660. (Acceptance rate: 25%)
- TVCG 12 L. Zhang, H. Huang, and **H. Fu**. 2012. **EXCOL: an EXtract-and-COMplete Layering approach to cartoon animation reusing**. *IEEE Transactions on Visualization and Computer Graphics*. 18(7): 1156–1169.

2011

- SIGGRAPH Asia 11** H. Fu, S. Zhou*, N. Mitra, and L. Liu. 2011. **Animated construction of line drawings**. *ACM Transactions on Graphics (Proceedings of ACM SIGGRAPH Asia 2011)*. 30(6). Article No. 133. (CityU's first first-author technical paper at SIGGRAPH Asia) (Acceptance rate: 20.6%)
- SIGGRAPH Asia 11** C.-H. Shen, S.-S. Huang, H. Fu, and S.-M. Hu. 2011. **Adaptive partitioning of urban facades**. *ACM Transactions on Graphics (Proceedings of ACM SIGGRAPH Asia 2011)*. 30(6). Article No. 184. (One of the nine highlights among all SIGGRAPH Asia 2011 papers) (Acceptance rate: 20.6%)
- TVCG 11** Y. Zheng, H. Fu, O. K.-C. Au, and C.-L. Tai. 2011. **Bilateral normal filtering for mesh denoising**. *IEEE Transactions on Visualization and Computer Graphics*. 17(10): 1521–1530.
- Eurographics 11** Y. Zheng, H. Fu, D. Cohen-Or, O. K.-C. Au, and C.-L. Tai. 2011. **Component-wise controllers for structure-preserving Shape Manipulation**, *Computer Graphics Forum (Proceedings of Eurographics 2011)*. 30(2): 563–572. (Acceptance rate: 17.4%)

2010

- SIGGRAPH 10** S. Zhou, H. Fu, L. Liu, D. Cohen-Or, and X. Han. 2010. **Parametric reshaping of human bodies in images**. *ACM Transactions on Graphics (Proceedings of ACM SIGGRAPH 2010)*. 29(4). Article No. 126. (One of the six highlights among all SIGGRAPH 2010 papers; CityU's first technical paper at SIGGRAPH) (Acceptance rate: 26.5%)
- Eurographics 10 O. K.-C. Au, C.-L. Tai, D. Cohen-Or, Y. Zheng, and H. Fu. 2010. **Electors voting for fast automatic shape correspondence**. *Computer Graphics Forum (Proceedings of Eurographics 2010)*. 29(2): 645–654. (Acceptance rate: 20%)

2009

- SIGGRAPH ASIA 09** Y.-S. Wang, H. Fu, O. Sorkine, T.-Y. Lee, and H.-P. Seidel. 2009. **Motion-aware temporal coherence for video resizing**. *ACM Transactions on Graphics: special issue of ACM SIGGRAPH Asia 2009*. 28(5). Article No. 127. (SCM's first technical paper at SIGGRAPH Asia) (Acceptance rate: 25%)

Before joining CityU

- TGRS 09 W.-L. Lu, K. P. Murphy, J. J. Little, A. Sheffer, and H. Fu. 2009. **A hybrid Conditional Random Field for estimating the underlying ground surface from airborne LiDAR data**. *IEEE Transactions on Geoscience and Remote Sensing*. 47(8): 2913–2922.
- Eurographics 09 T. Popa, Q. Zhou, D. Bradley, V. Kraevoy, H. Fu and A. Sheffer, and W. Heidrich. 2009. **Wrinkling captured garments using space-time data-driven deformation**. *Computer Graphics Forum: special issue of Eurographics 2009*. 28(2): 427–435. (Acceptance rate: 23.0%)
- TWEB 09 X. Xiao, Q. Luo, D. Hong, H. Fu, X. Xie, and W.-Y. Ma. 2009. **Browsing on small displays by transforming web pages into hierarchically structured sub-pages**. *ACM Transactions on the Web*. 3(1): Article No. 04.
- TVC 09 C. Xiao, H. Fu, and C.-L. Tai. 2009. **Hierarchical aggregation for efficient shape extraction**. *The Visual Computer*. 25(3): 267–278.
- SIGGRAPH 08** H. Fu, D. Cohen-Or, G. Dror, and A. Sheffer. 2008. **Upright orientation of man-made objects**. *ACM Transactions on Graphics: Proceedings of ACM SIGGRAPH 2008*. 27(3): Article No. 42. (Acceptance rate: 17.9%)
- TVCG 08 K. Xu, Y. Jia, H. Fu, S. Hu, and C.-L. Tai. 2008. **Spherical piecewise constant basis functions for all-frequency precomputed radiance transfer**. *IEEE Transactions on Visualization and Computer Graphics*. 14(2): 454–467. (IEEE TVCG Featured Article)

- CRV 08 W.-L. Lu, J. J. Little, A. Sheffer, and **H. Fu**. 2008. **Deforestation: Extracting 3D bare-earth surface from airborne LiDAR data**. In *Canadian Conference on Computer and Robot Vision 2008*. pp. 203–210.
- CAVW 08 C. Xiao, S. Liu, **H. Fu**, C. Lin, C. Song, Z. Huang, F. He, and Q. Peng. 2008. **Video completion and synthesis**. *Journal of Computer Animation and Virtual World: Proceedings of Computer Animation & Social Agents (CASA 2008)*. 19(3-4): 341–353.
- SIGGRAPH 07** O. K.-C. Au, **H. Fu**, C.-L. Tai, and D. Cohen-Or. 2007. **Handle-aware isolines for scalable shape editing**. *ACM Transactions on Graphics: Proceedings of ACM SIGGRAPH 2007*. 26(3): Article No. 83. (Acceptance rate: 23.7%)
- CGF 07** **H. Fu**, O. K.-C. Au, and C.-L. Tai. 2007. **Effective derivation of similarity transformations for implicit Laplacian mesh editing**. *Computer Graphics Forum*. 26(1): 34–45.
- SPM 07 X. Huang, **H. Fu**, O. K.-C. Au, and C.-L. Tai. 2007. **Optimal boundaries for Poisson mesh merging**. In *ACM Solid and Physical Modeling Symposium 2007*. pp. 35–40. (Acceptance rate: 26.6%)
- TVCG 06** O. K.-C. Au, C.-L. Tai, L. Liu, and **H. Fu**. 2006. **Dual Laplacian editing for meshes**. *IEEE Transactions on Visualization and Computer Graphics*. 12(3): 386–395.
- PG 05 **H. Fu**, C.-L. Tai, and O. K.-C. Au. 2005. **Morphing with Laplacian coordinates and spatial-temporal texture**. In *Pacific Graphics 2005*. pp. 100–102. (Acceptance rate: 35.5%)
- SGP 05 O. K.-C. Au, C.-L. Tai, **H. Fu**, and L. Liu. 2005. **Mesh editing with curvature flow Laplacian**. In *Symposium on Geometry Processing 2005*, poster.
- GMP 04 **H. Fu**, C.-L. Tai, and H. Zhang. 2004. **Topology-free cut-and-paste editing over meshes**. In *Geometric Modeling and Processing 2004*. pp. 173–182. (Acceptance rate: 23.3%)

Books and Conference Proceedings

- CAD/Graphics 13 **H. Fu**, J. Jorge, B. Wang and E. Zhang (eds). 2013. Conference proceedings of *CAD/Graphics 2013*. IEEE CS Press.
- CAD/Graphics 13 **H. Fu**, J. Jorge, B. Wang and E. Zhang (eds). 2013. Special issue of *Computers & Graphics for CAD/Graphics 2013*. Elsevier.
- Delphi Book 02 **H. Fu**. 2002. **Advanced Programming in Delphi 6.0** (in Chinese). *Publishing House of Electronics Industry*. 300 pages. ISBN: 7900084622.

Theses

- PhD Thesis** **H. Fu**. 2007. **Differential methods for intuitive 3D shape modeling**. *Ph.D. Thesis*. Dept. of Computer Science & Engineering, Hong Kong Univ. of Science & Technology.
- Senior Thesis **H. Fu**. 2002. **Magnetocardiography signal denoising techniques**. *Senior Thesis*. Dept. of Information Science, School of Mathematical Sciences, Peking Univ.

Patents

- 2012 C.-L. Tai, O. K.-C. Au, and **H. Fu**, System and Method for Constrained Manipulations of 3D Objects by Multitouch Inputs, PCT Application No. PCT/CN2012/000150, filed on 07 February 2012.

Research Grants

On-going

- Sep. 2014 PI, 692,894 HKD + 34,645 HKD (*top-up*), **Data-Driven 3D Interpretation of Free-hand Drawings**, *HKSAR RGC General Research Fund (GRF)*, Project No. 9042032 (CityU 11204014)
- Aug. 2017
- Jan. 2014 PI, 645,500 HKD + 32,275 HKD (*top-up*), **A Part Assembly Framework for Re-covering 3D Geometry and Structure of Everyday Objects**, *HKSAR RGC General Research Fund (GRF)*, Project No. 9041881 (CityU 113513)
- Dec. 2016
- May. 2013 PI, 76,000HKD, **Data-driven Suggestion for Portrait Posing**, *CityU Seed Grant (SG)*, Project No. 7003058
- Oct. 2014

Completed

- May 2012 PI, 179,975HKD, **Adaptive Partitioning of Urban Facades**, *CityU Strategic Research Grant (SRG)*, Project No. 7002776
- Apr. 2014
- Oct. 2012 PI, 100,000HKD, **Animating Line Art by Estimating Its Drawing Process**, *CityU Strategic Research Grant for unfunded GRF/ECS (SRG-Fd)*, Project No. 7002925
- Mar. 2014
- Jan. 2011 PI, 491,000HKD + 20,000HKD (*top-up*), **Motion-Aware Temporal Coherence for Video Resizing**, *HKSAR RGC General Research Fund (GRF)*, Project No. 9041562 (CityU113610)
- June 2013
- Apr. 2010 PI, 80,000HKD, **Parametric Reshaping of Human Bodies in Images**, *CityU Strategic Research Grant (SRG)*, Project No. 7002533
- Mar. 2012
- May 2009 PI, 100,000HKD, **Motion-Aware Video Resizing**, *CityU Start-up Grant for New Staff (StUP)*, Project No. 7200148
- Apr. 2011

Professional Talks

Conference Presentations

- Aug. 2014 EZ-Sketching: three-level optimization for error-tolerant image tracing. ACM SIGGRAPH 2014. Vancouver, Canada
- Nov. 2013 Data-driven suggestions for portrait posing. ACM SIGGRAPH Asia 2013. Hong Kong
- Nov. 2012 Lazy selection. ACM SIGGRAPH Asia 2012. Singapore
- Dec. 2011 Animated construction of line drawings. ACM SIGGRAPH Asia 2011. Hong Kong
- Jul. 2010 Parametric reshaping of human bodies in images. ACM SIGGRAPH 2010. Los Angeles, CA, USA
- Dec. 2009 Motion-aware temporal coherence for video resizing. ACM SIGGRAPH Asia 2009. Yokohama, Japan
- May 2008 Bare-earth extraction from airborne LiDAR data. 10th GEOIDE Annual Scientific Conference, Ontario, Canada
- Aug. 2007 Handle-aware isolines for scalable shape editing. ACM SIGGRAPH 2007. San Diego, CA, USA
- Aug. 2007 Sketching hairstyles. SBIM 2007. Univ. of Riverside, CA, USA
- Oct. 2005 Morphing with Laplacian coordinates and spatial-temporal texture. PG 2005. Macau, China
- Apr. 2004 Topology-aware cut-and-paste editing over meshes. GMP 2004. Beijing, China

Invited Talks

- Aug. 2014 Non-local snapping and its applications. University of British Columbia, Canada

- Aug. 2014 Non-local snapping and its applications. McGill University, Canada
- Jul. 2014 Non-local snapping and its applications. University of Toronto, Canada
- Nov. 2013 Data-driven suggestions for portrait posing. Ningbo University, China
- Jun. 2012 Animated construction of line drawings. National Taiwan University, Taiwan
- Apr. 2012 Animated construction of line drawings. South China University of Technology, China
- Apr. 2012 Animated construction of line drawings. Sun Yat-Sen University, China
- Feb. 2012 Adaptive partitioning of urban facades. Hong Kong University
- Feb. 2012 Animated construction of line drawings. Shanghai Jiao Tong University, China
- Feb. 2012 Animated construction of line drawings. East China Normal University, China
- Nov. 2011 Animated construction of line drawings. Hong Kong Univ. of Science and Technology
- Oct. 2011 Adaptive partitioning of urban facades. SIAT, Chinese Academy of Sciences, China
- Mar. 2010 Shape deformation and its applications. Tsinghua University, China
- Mar. 2010 Shape deformation and its applications. Peking University, China
- Jul. 2008 Upright orientation of man-made objects. Univ. of British Columbia, Canada
- Jun. 2008 Upright orientation of man-made objects. Univ. of Toronto, Canada
- Oct. 2007 Differential mesh deformation. Univ. of British Columbia, Canada

Professional Services

Editorship

- 2014- Elsevier Computers & Graphics, Associate Editor
- 2013 Elsevier Computers & Graphics, Guest Editor (Special Issue for CAD/Graphics 2013)
- 2013- Springer The Visual Computer, Associate Editor

Conference Organization

- CAD/CG 2015 CAD/Graphics 205, Program Co-chair
- SIGGRAPH Asia 2014 SIGGRAPH Asia 2014, Workshop and Co-located Events Chair
- 2014
- CAD/CG 2013 CAD/Graphics 2013, Program Co-chair
- SIGGRAPH Asia 2013 SIGGRAPH Asia 2013, Emerging Technologies Chair
- 2013
- PG 2012 Pacific Graphics 2012, Organization Co-chair

Conference Program Committee

- 2014 ACM SIGGRAPH Asia (Technical Briefs and Posters)
- ACM SIGGRAPH Asia (Emerging Technologies)
- Shape Modeling International
- Symposium on Virtual Reality Software Technology
- Symposium on Visual Computing
- Computational Visual Media
- Eurographics (Short Papers)
- Symposium on Geometry Processing
- Chinagraph
- 2013 ACM SIGGRAPH Asia (Technical Briefs and Posters)
- ACM SIGGRAPH Symposium on Interactive 3D Graphics and Games
- Shape Modeling International
- Computational Visual Media

- 2012 ACM SIGGRAPH Asia (Posters Program)
Symposium on Geometry Processing
ACM SIGGRAPH Symposium on Interactive 3D Graphics and Games
Pacific Graphics (Session Chair)
Shape Modeling International
Computational Visual Media
- 2011 ACM SIGGRAPH Asia (Sketches and Posters Program; Session Chair)
ACM SIGGRAPH Asia (Courses Program)
ACM SIGGRAPH Symposium on Interactive 3D Graphics and Games
Shape Modeling International
- 2010 ACM SIGGRAPH Asia (Sketches and Posters Program)
ACM SIGGRAPH Symposium on Interactive 3D Graphics and Games
Pacific Graphics

Tertiary Reviewer

- Conferences ACM SIGGRAPH, ACM SIGGRAPH Asia, UIST, Eurographics, IEEE Visualization, IEEE Virtual Reality (VR), Geometric Modeling and Processing (GMP), etc.
- Journals IEEE Transactions on Visualization and Computer Graphics (TVCG), IEEE Transactions on Systems, Man, and Cybernetics (TSMC), IEEE Transactions on Multimedia (TMM), Pattern Recognition (PR), Computer-Aided Design (CAD), etc.
- Grant Proposals and Others Panel Chair, Digital Entertainment Leadership Forum (DELFF) 2014, Hong Kong
Judging Panelist of HK ICT Awards 2014: Best Digital Entertainment Award (Interaction Design)
Israel Science Foundation 2012
Hong Kong RGC General Research Funds for 2009/2010

Member of MPhil/PhD Thesis Committee

- MPhil Desai TIAN. 2010. Title: *Markov Random Field-based Hierarchical Handwritten Chinese Character Modeling*

Member of Qualifying Panel for SCM Research Students

- PhD Students Shu Kit Wilson Lee, 2013-present
Sijin Li, 2011-present

Research Students, Postdocs and Visitors

Current Students

- PhD Students Quoc Huy PHAN (09/2012-08/2015)
Pengfei XU (09/2011-01/2015; co-supervised with Prof. Chiew-Lan Tai)
Bin BAO (09/2010-08/2013; co-supervised with Prof. Zhi-Qiang Liu)
Wing Ho Andy LI (09/2010-08/2014; co-supervised with Prof. Jeffrey Shaw)
- Visiting PhD Students Yongwei Nie (02/2014-08/2014; Wuhan University)

Past Students

- Senior RAs Dr. Jia CHEN (08-10/2010; now Researcher at Noah's Ark Lab, Huawei)
- RAs Xiaoguang HAN (08/2011-07/2013; now PhD student at HKU)
Ye TIAN (08/2011-01/2012)

- Visiting PhD Changqing Zou (11/2013-06/2014; SIAT, Chinese Academy of Sciences)
- Students Jiyuan Zhang (12/2013-05/2014; Peking University)
 Shizhe ZHOU (06/2010-01/2011; Zhejiang University; now Associate Professor at USTC)
 Qingnan (James) ZHOU (06-08/2010; New York University)
 Hanlin Zheng (08/2011-01/2012; Zhejiang University)
- Undergrad Jingwan LU (04-08/2007; co-supervised with Prof. Chiew-Lan Tai; now PhD student at Princeton University)
 Xiaohuang HUANG (07-09/2006; co-supervised with Prof. Chiew-Lan Tai; now PhD student at UIUC)

Teaching Experience

Instructor, City University of Hong Kong

- Spring 2014 SM2705 Creative Media Studio III. TLQ: 5.86 out of 7 (School Average: 5.61)
 SM3603 3D Natural Interaction.
- Fall 2013 SM3607 Mobile Media. TLQ: 6.38 out of 7 (School Average: 5.71)
- Spring 2013 SM3603 Interactivity I. TLQ: 6.24 out of 7 (School Average: 5.57)
- Fall 2012 SM3607 Mobile Media. TLQ: 6.06 out of 7 (School Average: 5.63)
- Spring 2012 SM1205 Interactivity. TLQ: 6.4 out of 7 (School Average: 5.5)
 SM3603 Interactivity I. TLQ: 6.31 out of 7 (School Average: 5.5)
- Fall 2011 SM3702 Pervasive, Mobile and Locative Media. TFQ: 6 out of 7 (School Average: 5.77)
 SM3607 Mobile Media. TFQ: 5.72 out of 7 (School Average: 5.74)
- Spring 2011 SM1205 Interactivity. TFQ: 6.08 out of 7 (School Average: 5.79)
 SM3603 Interactivity I. TFQ: 6.2 out of 7 (School Average: 5.79)
- Fall 2010 SM3702 Pervasive, Mobile and Locative Media. TFQ: 6.25 out of 7 (School Average: 5.63)
 SM3607 Mobile Media. TFQ: 6.47 out of 7 (School Average: 5.63)
- Spring 2010 SM1205 Interactivity. TFQ: 5.45 out of 7 (School Average: 5.76)
 SM3603 Interactivity I. TFQ: 6 out of 7 (School Average: 5.76)
- Fall 2009 SM1001 Introduction to Digital Media. TFQ: 5.63 and 6.06 out of 7 (School Average: 5.64)
 SM3124 Pervasive, Mobile and Locative Media. TFQ: 6 out of 7 (School Average: 5.59)
- Spring 2009 SM3603 Interactivity I. TFQ: 5.58 out of 7 (School Average: 5.56)

School & University Services

- 2014-present BScSCM Major Leader
- 2014-present BScSCM Programme Committee (Chairman)
- 2014-present BScSCM Examination Board (Chairman)
- 2014-present Assessment Panel
- 2014-present Research Education Committee
- 2014-present School Examination Board
- 2014-present School Graduate Studies Committee
- 2014-present Staff-Undergraduate Student Consultative Committee
- 2014-present NUEE Admissions Co-ordinator
- 2014-present Undergraduate Curriculum Committee
- 2014-present Brown-Bag Seminar Coordinator
- 2009-present School Board
- 2013-2015 Deputy Chairman & Technical Advisor, Resources Planning Committee

- 2013-2015 Technical Advisor for Resources Planning Committee (General Computing)
- 2013-2015 School Research Committee
- 2012-2014 Academic Advisor for Minors
- 2012-2014 BScCM Examination Board
- 2011-2014 BScCM Programme Committee
- 2009-2014 Mainland Admission Tutor
- 2010-2013 School Grade Review Committee
- 2009-2013 School OBTL Coordinator for Animation Studio
- 2010-2012 School Timetabling Officer
- 2010-2012 School Undergraduate Academic Review Committee
- 2009-2012 Academic Advisor for FYCM
- 2009-2010 University Selection Panels for Government Scholarships 2009/10

Honors & Awards

- 2014 **Excellence in Reviewing (for the year of 2012)**, *Computers & Graphics*, Elsevier.
- 2013 **Best Demo Award (voted by attendees)**, *Emerging Technologies*, ACM SIGGRAPH Asia 2013, Hong Kong.
- 2013 **Program Highlight**, *Emerging Technologies*, ACM SIGGRAPH Asia 2013, Hong Kong.
- 2011 **Program Highlight**, *Technical Papers*, ACM SIGGRAPH Asia 2011, Hong Kong.
- 2010 **Program Highlight**, *Technical Papers*, ACM SIGGRAPH 2010, LA, USA.
- 2008 **Travel Grant**, *MITACS Mobility Program*, Canada.
- 2007 **Selected PhD Graduates**, *Department of Science & Engineering, Hong Kong Univ. of Science & Technology*.
- 2002–2007 **Postgraduate Studentship**, *Hong Kong Univ. of Science & Technology*.
- 2002 **Direct Admission to HKUST Ph.D. Program through MED Program (2 out of 160)**, *School of Mathematical Sciences, Peking Univ.*
- 2000 **First Class Scholarship (5 out of 160)**, *School of Mathematical Sciences, Peking Univ.*
- 2000 **Exceptional Student**, *School of Mathematical Sciences, Peking Univ.*

References

- Collaborator **Professor Cohen-Or, Daniel**, School of Computer Science, Tel Aviv Univ., Israel;
✉ dcor@tau.ac.il; ☎ +972-3-6405368
- Collaborator **Professor Hu, Shimin**, Dept. of Computer Science & Technology, Tsinghua Univ., China
✉ shimin@tsinghua.edu.cn; ☎ +86-10-6278-2052
- Postdoc Advisor **Professor Seidel, Hans-Peter**, Dept. of Computer Graphics, Max-Planck-Institut Informatik, Germany
✉ hpseidel@mpi-sb.mpg.de; ☎ +49-681-9325-400
- Postdoc Advisor **Professor Sheffer, Alla**, Dept. of Computer Science, Univ. of British Columbia, Canada
✉ sheffer@cs.ubc.ca; ☎ +1-604-822-4030
- PhD Advisor **Professor Tai, Chiew-Lan**, Dept. of Computer Science & Engineering, Hong Kong Univ. of Science & Technology, Hong Kong
✉ taicl@cse.ust.hk; ☎ +852-2358-7020