

Personal Data

Contact

Name Xiaosheng ZHUANG
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Research Interests

Applied and Computational Harmonic Analysis;
Sparse Approximation;
Directional Multiscale Representation Systems;
Compressed Sensing;
Image/Signal Processing;
Machine Learning and Pattern Recognition.

Educational Background

2005.09 – 2010.07 Ph.D. in Applied Mathematics
University of Alberta, Canada; Supervisor: Bin Han
2003.09 – 2005.07 M.Sc. in Mathematics and Applied Mathematics
Sun Yat-sen University, China
1999.09 – 2003.07 B.Sc. in Mathematics and Applied Mathematics
Minor in Computer Science
Sun Yat-sen University, China

Employment History

2012.12 – Present Assistant Professor, City University of Hong Kong, Hong Kong
2012.07 – 2012.12 PIMS & MITAC PDF, University of Alberta, Canada
2011.10 – 2012.06 PDF, Technical University of Berlin, Germany
2010.09 – 2011.09 PDF, University of Osnabrueck, Germany
2005.09 – 2010.07 Research Assistant, University of Alberta, Canada
2010.07 – 2010.08 Summer Term Instructor, University of Alberta, Canada
2005.09 – 2010.04 Teaching Assistant, University of Alberta, Canada
2003.09 – 2005.07 Research Assistant, Sun Yat-sen University, China

CURRICULUM VITAE

Xiaosheng Zhuang

Honors and Awards

2013.07	Early Career Award, 2013/2014, RGC, Hong Kong
2012.06	Oberwolfach Leibniz Graduate Student, Oberwolfach, Germany
2009.09	Eoin L Whitney Scholarship, University of Alberta
2008.12	Dr. Josephine Mitchell Graduate Research Prize, University of Alberta
2006.09	Provost Doctoral Entrance Award, University of Alberta Josephine Mitchell Scholarship, University of Alberta
2005.09	Provost Doctoral Entrance Award, University of Alberta
2002.09	1st Class Scholarship, Sun Yat-Sen University Lenovo Scholarship, Sun Yat-Sen University
2001.09	3rd Class Scholarship, Sun Yat-Sen University
2000.09	2nd Class Scholarship, Sun Yat-Sen University J.C. Hu & S.Q. Xu Memorial Scholarship, Sun Yat-Sen University

Teaching

2018.01 – 2018.05	MA2001 (Multivariate Calculus and Linear Algebra), CityU
2018.01 – 2018.05	MA4542 (Real Analysis), CityU
2017.09 – 2017.12	MA2001 (Multivariate Calculus and Linear Algebra), CityU
2017.01 – 2017.05	MA2001 (Multivariate Calculus and Linear Algebra), CityU
2016.09 – 2016.12	MA2001 (Multivariate Calculus and Linear Algebra) and MA4542 (Real Analysis), CityU
2016.01 – 2016.05	MA2001 (Multivariate Calculus and Linear Algebra) and MA3001 (Differential Equations), CityU
2015.09 – 2015.12	MA2001 (Multivariate Calculus and Linear Algebra) and MA3522 (Analysis), CityU
2015.01 – 2015.05	MA2001 Lecturer (Multivariate Calculus and Linear Algebra), CityU
2014.09 – 2014.12	MA2001 Lecturer (Multivariate Calculus and Linear Algebra) MA4542 Lecturer (Real Analysis), CityU
2014.01 – 2014.05	MA2001/MA2170 Lecturer (Multivariate Calculus and Linear Algebra), CityU
2013.09 – 2013.12	MA2001 Lecturer (Multivariate Calculus and Linear Algebra), MA4542 Lecturer (Real Analysis), CityU
2013.01 – 2013.05	MA2149 Lecturer (Mathematical Analysis), CityU
2010.07 – 2010.08	Math 113 Lecturer (Elementary Calculus), University of Alberta
2010.01 – 2010.04	Math 102 Lab Instructor (Linear Algebra), University of Alberta
2009.09 – 2009.12	Math 113 Lab Instructor (Elementary Calculus), University of Alberta Math 381 Lab Instructor (Numerical Analysis), University of Alberta
2009.01 – 2009.04	Math 113 Lab Instructor (Elementary Calculus), University of Alberta
2008.09 – 2008.12	Math 113 Lab Instructor (Elementary Calculus), University of Alberta

Grants

External Grants

No.	Approval Date	Project Title	Duration (Months)	PI	Funding Source
1	2017.07.01	Dual Framelets on Manifolds and Graphs with Applications in Multiscale Data Analysis	24	YES	GRF
2	2014.07.01	On the Design and Applications of Multidimensional Subdivision Schemes and Directional FIR Filter Banks	42	YES	GRF
3	2013.07.01	Directional Multiscale Representation Systems: Theory, Design, and Applications	42	YES	GRF

Internal Grants

No.	Approval Date	Project Title	Duration (Months)	PI	Funding Source
1	2015.09.01	Directional Multiscale Representation Systems with Low Redundancy Rate and Their Applications in High-Dimensional Data Analysis	24	YES	CityU SRG
2	2015.05.22	Directional Multiscale Representation Systems in Manifold Learning	30	YES	CityU StUp

Publication List

A. Articles Published or Accepted in Refereed Journals

1. Wang, Y.G., and **Zhuang, X.** (2018) Tight framelets and fast framelet transforms on manifolds, *Applied and Computational Harmonic Analysis*. Accepted.
2. Han, B., Jiang, Q. T., Shen, Z. W., and **Zhuang, X.** (2018.01) Symmetric canonical quincunx tight framelets with high vanishing moments and smoothness. *Mathematics of Computation*, 87 (309):347-379.
3. Chui, C. K., Mhaskar, H. N., and **Zhuang, X.** (2018.01) Representation of functions on big data associated with directed graphs. *Applied and Computational Harmonic Analysis*, 44 (1):165-188.
4. **Zhuang, X.** (2017.07) Quincunx fundamental refinable functions in arbitrary dimensions. *Axiom*, 6 (3):20.
5. **Zhuang, X.** (2016.09) Digital affine shear transforms: fast realization and applications in image/video processing. *SIAM Journal on Imaging Sciences*, 9 (3):1437-1466.
6. Han, B., Zhao, Z., and **Zhuang, X.** (2016.09) Directional tensor product complex tight framelets with low redundancy. *Applied and Computational Harmonic Analysis*, 41 (2): 603-637.
7. Chui, C. K., De Villiers, J., and **Zhuang, X.** (2016.07) Multirate systems with shortest spline-wavelet filters. *Applied and Computational Harmonic Analysis*, 41 (1): 266-296.
8. Han, B. and **Zhuang, X.** (2015.09) Smooth affine shear tight frames with MRA structures, *Applied and Computational Harmonic Analysis*, 39 (2): 300-338.
9. Bodmann, B. G., Kutyniok, G., and **Zhuang, X.** (2015.01) Gabor shearlets, *Applied and Computational Harmonic Analysis*, 38 (1):87-114.
10. Tan, C. and **Zhuang X.** (2014.06) The common Hardy space and BMO space for singular integral operators associated with isotropic and anisotropic homogeneity, *Journal of Mathematical Analysis and Applications*. 414: 480-487.
11. King, E. J., Kutyniok, G., and **Zhuang, X.** (2014.02) Analysis of inpainting via clustered sparsity and microlocal analysis, *Journal of Mathematical Imaging and Vision*. 48 (2): 205-234.
12. Han, B. and **Zhuang, X.** (2013.01) Algorithms for matrix extension and orthogonal wavelet filter banks over algebraic number fields. *Mathematics of Computation*. 82 (281): 459-490.
13. Specktor, S. and **Zhuang, X.** (2012) Asymptotic Bernstein type inequalities and estimation of wavelet coefficients. *Methods and Applications of Analysis*. 19 (3): 289-312
14. Kutyniok, G., Shaharm, M., and **Zhuang, X.** (2012) ShearLab: A rational design of a digital parabolic scaling algorithm. *SIAM Journal on Imaging Sciences*. 5 (4):1291-1332.
15. Mo, Q. and **Zhuang X.** (2012) Matrix splitting with symmetry and dyadic framelet filter banks over algebraic number fields, *Linear Algebra and its Applications*. 437 (10): 2650-2679.
16. **Zhuang, X.** (2012) Matrix extension with symmetry and construction of biorthogonal multiwavelets with any integer dilation. *Applied and Computational Harmonic Analysis*. 33 (2): 159-181.
17. Chui, C. K., Han, B. and **Zhuang, X.** (2012) A dual-chain approach for bottom-up construction of wavelet filters with any dilation. *Applied Computational Harmonic Analysis*. 33 (2): 204-225.
18. Han, B. and **Zhuang, X.** (2010) Matrix extension with symmetry and its applications to symmetric orthonormal multiwavelets. *SIAM Journal on Mathematical Analysis*. 42 (5): 2297-2317.
19. Han, B. and **Zhuang, X.** (2009) Analysis and construction of Multivariate interpolating refinable function vectors. *Acta Applicandae Mathematicae*. 107:143-171.
20. Han, B., Kwon, S. G. and **Zhuang, X.** (2009) Generalized interpolating refinable function vectors. *Journal of Computational and Applied Mathematics*. 227:254-270.

CURRICULUM VITAE

Xiaosheng Zhuang

21. **Zhuang X.** and Dai, D. Q. (2007) Improved discriminate analysis for high dimensional data and its application to face recognition. *Pattern Recognition*. 40: 1570-1578.
22. **Zhuang X.**, Dai, D. Q. and Yuen, P. C. (2005) Face recognition by inverse Fisher discriminant features. *Lecture notes in Computer Science*. 3832:92-98.
23. **Zhuang X.** and Dai, D. Q. (2005) Inverse Fisher discriminate criteria for small sample size problem and its application to face recognition. *Pattern Recognition*. 38: 2129-2194.

B. Book Chapters

- Kutyniok, G., Lim, W.-Q., and **Zhuang, X.** (2011) Digital Shearlet Transforms, book chapter in “*Shearlets: Multiscale Analysis for Multivariate Data*”.

C. Other Refereed Contributions

1. Che Z. and **Zhuang, X.** (2017) Affine shear tight frames with two-layer structure. *Wavelets and Sparsity XVII, SPIE Proc.* 10394-22.
2. Che Z. and **Zhuang, X.** (2017) Digital Affine Shear Filter Banks with 2-Layer Structure. *2017 International Conference on Sampling Theory and Applications (SampTA), Tallinn, Estonia.* 575-579.
3. **Zhuang, X.** (2015) Smooth affine shear tight frames: digitization and applications. *Wavelets and Sparsity XVI, SPIE Proc.* 9597.
4. Bodmann, B. G., Kutyniok, G., and **Zhuang, X.** (2011) Coarse quantization with the fast digital shearlet transform. *Wavelet XI, San Diego, CA, SPIE Proc.* (8318).
5. King, E. J., Kutyniok, G., and **Zhuang, X.** (2011) Analysis of data separation and recovery problems using clustered sparsity. *Wavelet XI, San Diego, CA, SPIE Proc.* (8318).
6. Donoho, D. L., Kutyniok, G., Shahrnam, M., and **Zhuang, X.** (2011) A rational design of a digital shearlet transform. *The 9th International Conference on Sampling Theory and Applications*, Singapore.
7. **Zhuang, X.** (2011) The digital shearlet transform on pseudo-polar grids. *Oberwolfach Report 17/2011:* 29-32.
8. **Zhuang, X.** (2011) Interpolating refinable function vectors and matrix extension with symmetry. *Oberwolfach Report 44/2010:* 35-37.
9. **Zhuang, X.** (2010) Matrix extension with symmetry and its applications. in *Approximation Theory XIII: San Antonio 2010*, M. Neamtu and L.L. Schumaker eds. Springer, 2012.

D. Manuscripts Preprinted and Submitted

1. Wang Y.G. and Zhuang X. (2017) Tight Framelets on Graphs and Their Applications. Manuscript.
2. Han B., Mo Q., Zhao Z., and Zhuang X. (2017) Compactly Supported Directional Tensor Product Complex Tight Framelets with Applications to Image Processing, Preprint
3. Han B., Li T., and Zhuang X. (2017) Directional Compactly Supported Box Spline Tight Framelets with Simple Structure, arXiv:1708.08421.
4. Che Z., and Zhuang, X. (2017) Digital affine shear filter banks with 2-layer structure and their applications in image processing, TIP, submitted
5. Dyn, N., and Zhuang, X. (2017) Linear multiscale transforms based on even-reversible subdivision operators, arXiv:1710.10783.

Journal Editor and Referee

Associate Editor:

- Multidimensional Systems and Signal Processing

Review Editor:

- Frontiers in Applied Mathematics and Statistics,
Mathematics of Computation and Data Science

Referee for Journals and Others:

- Acta Applicandae Mathematicae
- Advances in Computational Mathematics
- Applied Computational Harmonic Analysis
- Analysis and Applications
- Biomedical Signal Processing and Control
- Bulletin of the Iranian Mathematical Society
- Constructive Approximation
- IEEE Transaction on Information Theory
- IEEE Transaction on Signal Processing
- International Journal of Numerical Analysis and Modeling, Series B
- International Journal of Wavelets, Multiresolution and Information Processing
- Journal of Approximation Theory
- Journal of Computational and Applied Mathematics
- Journal of Fourier Analysis and Applications
- Journal of Machine Learning Research
- Journal of Mathematical Analysis and Applications
- Journal of Mathematical Imaging and Vision
- Lecture Notes in Computer Sciences
- Neural Processing Letters
- Numerical Mathematics: Theory, Methods, and Applications
- Optica Applicata
- Proceeding of the 9th International Conference on Sampling Theory and Applications
- SCIENCE CHINA Mathematics
- SIAM Journal on Mathematical Analysis
- Zentralblatt MATH

Organizing Activities

- 2018.06 SIAM Conference on Imaging Sciences 2018, Bologna, Italy,
Minisymposium: Framelets, Optimization, and Image Processing,
Organizer
- 2016.06 International Conference on Applied Mathematics,
City University of Hong Kong, Hong Kong.
Organizer
- 2016.05 15th International Conference on Approximation Theory, San Antonio, USA
Minisymposium: Sparse Approximation and Mathematical Imaging
Organizer
- 2014.12 The 5th International Conference on Scientific Computing and Partial Differential Equations,
Hong Kong Baptist University, Hong Kong
Minisymposium: Applied Harmonic Analysis and Sparse Approximation,
Organizer
- 2014.05 SIAM Conference on Imaging Sciences 2014, Hong Kong Baptist University, Hong Kong
Minisymposium: Directional Multiscale Representation Systems and Mathematical Imaging,
Organizer
- 2007.05 “Student Seminar” in Summer School and Workshops on Mathematical Imaging and Digital Media,
National University of Singapore, Singapore.
Organizer

Invited and Plenary Talks

Plenary Speaker

2014

- 2014.12 International Workshop on Wavelets, Frames and Applications – II
Dec 24-30,2014. University of Delhi, India

Invited Presentations

2018

- 2018.06 Minisymposium: Framelets, Optimization, and Image Processing in
SIAM Conference on Imaging Science, Bologna, Italy.
- 2018.03 Fast Algorithms for Generating Static and Dynamically Changing Point Configurations, in ICERM
Semester Program on “Point Configurations in Geometry, Physics and Computer Science”,
Brown University, Providence, RI, USA

2017

- 2017.12 From Approximation Theory to Real-World Applications, Tsinghua Sanya International Mathematics
Forum (TSIMF), Sanya, China
- 2017.10 CityU-TAU Joint Workshop, Tel-Aviv University, Israel
- 2017.09 Workshop on Mathematics for Data Sciences, Sun Yat-sen University, Zhuhai, China
- 2017.08 Wavelets and Sparsity XVII, SPIE Optical Engineering + Applications, San Diego, USA
- 2017.06 Joint Workshop on Mathematics and Applications, Wuhan University, Wuhan, China
- 2017.06 Workshop on Computational Harmonic Analysis, NanKai University, Tianjin, China
- 2017.05 International Conference of Kernel-Based Approximation Methods in Machine Learning, South China
Normal University, Guangzhou, China
- 2017.03 1st International Conference on Mathematics of Data Science, Baptist Univ., Hong Kong
- 2017.03 2nd IM-Workshop on Applied Approximation, Signals and Images, Bernried, Germany
- 2017.02 7th Workshop on High-Dimensional Approximation, University of New South Wales, Sydney,
Australia

2016

- 2016.12 2016 International Conference on Some Mathematical Approximation Approaches in Data Science,
Hangzhou, Zhejiang University, China
- 2016.09 Mecklenburg Workshop on Approximation Methods and Data Analysis, University of Luebeck,
Germany
- 2016.06 International Conference: East Asia Section of SIAM (EASIAM 2016), University of Macau, Macau
- 2016.05 15th International Conference on Approximation Theory, San Antonio, USA
- 2016.02 IM-Workshop on Applied Approximation, Signals and Images, Bernried, Germany

2015

- 2015.12 Workshop on Image Processing and PDE, Sun Yat-sen University, Guangzhou, China
- 2015.12 First Workshop on Computational Science, Jinan University, Guangzhou, China
- 2015.09 Workshop on PDE and Harmonic Analysis, City University of Hong Kong, Hong Kong

CURRICULUM VITAE

Xiaosheng Zhuang

- 2015.08 SPIE on Wavelets and Sparsity XVI, San Diego, USA
- 2015.06 International Conference “Wavelets and Applications”, Euler International Mathematical Institute, St. Petersburg, Russia
- 2015.01 Joint Workshop of Tel-Aviv University and City University of Hong Kong, City University of Hong Kong, Hong Kong

2014

- 2014.12 The 5th International Conference on Scientific Computing and Partial Differential Equations, Minisymposium on Applied Harmonic Analysis and Sparse Approximation, Hong Kong Baptist University, Hong Kong
- 2014.11 Workshop on Applied Harmonic Analysis and Approximation Theory, Sun Yat-sen University, Guangzhou, China
- 2014.11 ICERM Research Cluster: Computational Challenges in Sparse and Redundant Representations, Brown University, Providence, RI, USA
- 2014.06 International Conference on Harmonic Analysis and Applications, Nankai University, Tianjin, China
- 2014.05 5th International Conference on Computational Harmonic Analysis, Vanderbilt University, Nashville, USA
- 2014.05 Minisymposium: Directional Multiscale Representation Systems and Mathematical Imaging, SIAM Conference on Imaging Sciences, Hong Kong Baptist University, Hong Kong
- 2014.04 Workshop on Applied Mathematics, City University of Hong Kong, Hong Kong
- 2014.03 Workshop on Structured Preconditioning and Iterative Methods with Applications at TSIMF, Sanya, China

2013

- 2013.12 The 2nd Guangzhou International Workshop on Mathematical Imaging, Sun Yat-sen University, Guangzhou, China
- 2013.08 Applied Harmonic Analysis Conference, University of Calgary, Calgary, Canada
- 2013.07 CMIV Workshop on Matrix Analysis and Applications, Hong Kong Baptist University, Hong Kong
- 2013.06 Seminar, School of Mathematical and Computational Sciences, Sun Yat-sen University, Guangzhou, China
- 2013.06 The Hong Kong Mathematical Society, Annual General Meeting, City University of Hong Kong, Hong Kong
- 2013.05 International Conference on Approximation Theory and Applications, City University of Hong Kong, Hong Kong
- 2013.04 14th International Conference in Approximation Theory, San Antonio, TX, USA
- 2013.04 Centre for Mathematical Imaging and Vision, Seminar, Hong Kong Baptist University, Hong Kong
- 2013.03 Mathematical Analysis and its Applications Colloquium, Liu Bie Ju Centre, City University of Hong Kong, Hong Kong

2012

- 2012.11 PIMS/AMI Seminar, University of Alberta, Canada
- 2012.10 Imaging Seminar, University of Houston, USA
- 2012.08 Joint AB/BC Seminar, UBC, Canada

CURRICULUM VITAE

Xiaosheng Zhuang

2012.06 Learning Theory and Approximation, Oberwolfach, Germany

2012.04 Campus Visit, City University of Hong Kong, Hong Kong

2011

2011.07 International Conference on Applied Harmonic Analysis and Multiscale Computing
University of Alberta, Edmonton, Canada

2011.06 Poster session in From Abstract to Computational Harmonic Analysis, Strobl, Austria

2011.05 Oberseminar, Jacobs University, Bremen, Germany

2011.05 International Symposium in Approximation Theory, Vanderbilt University, USA

2011.05 The 9th International Conference on Sampling Theory and Applications, Nanyang Technological
University, Singapore

2011.03 Operator Algebras and Representation Theory: Frames, Wavelets and Fractals, Oberwolfach,
Germany

2011.01 Sparse Representations and Efficient Sensing of Data, Dagstuhl, Germany

2010

2010.10 Mini-workshop: Shearlets, Oberwolfach, Germany

2010.03 13th International Conference on Approximation Theory, San Antonio, USA

2010.01 Workshop on Optimal Frames and Operator Algebras, 2010 AMS National Meeting, San Francisco,
USA

2009

2009.01 Applied Mathematics Graduate Student Conference (AMGSC 2009), Simon Fraser University,
Vancouver, Canada

2008.06 Summer School and Workshops on Mathematical Imaging and Digital Media
National University of Singapore, Singapore

2008.04 Graduate Colloquium, University of Alberta, Edmonton, Canada

Other Activities

- 2017.08 Visiting Prof. Bin Han, University of Alberta, Edmonton, Canada
- 2017.08 Visiting Dr. Chun-Kit Lai, San Francisco State University, San Francisco, USA
- 2017.08 Visiting Prof. Hrushikesh N. Mhaskar, Claremont Graduate University, USA
- 2017.05 Invited talk at Sun Yat-sen University, (by Prof. Yao LU), Guangzhou, China
- 2017.02 Visiting Dr. Yuguang Wang, La Trobe University, Melbourne, Australia
- 2016.08 Visiting Professor Gitta Kutyniok, Technical University of Berlin, Germany
- 2016.07 Visiting Professor Bin Han, University of Alberta, Canada
- 2015.07 Visiting Professor Bin Han, University of Alberta, Canada
- 2015.05 Visiting Professor Nira Dyn, Tel-Aviv University, Israel
- 2014.08 Visiting Professor Bin Han, University of Alberta, Canada
- 2013.06 Visiting Professor H.Z. Zhang, Sun Yat-sen University, China
- 2013.04 Visiting Professor C.K. Chui, University of Missouri, St. Louis, USA
- 2012.10 Visiting Professor B.G. Bodmann, University of Houston, TX, USA
- 2011.08 Visiting SLIM (Seismic Laboratory for Imaging and Modeling) of University of British Columbia, Vancouver, Canada
- 2011.08 Participate in Summer school on Applied Harmonic Analysis and Multiscale Computing, University of Alberta, Edmonton, Canada
- 2011.05 Participate in the 32nd Norddeutsches Kolloquium über Angewandte Analysis und Numerische Mathematik, Osnabrueck, Germany
- 2010.01 Participate in 2010 Joint Mathematics Meeting, San Francisco, USA
- 2009.05 Participate in Summer School/ Workshop on Multivariate Splines and Their Applications, University of Georgia, Athens, USA
- 2007.09 Participate in BIRS Workshop: Trends in Applied Harmonic Analysis Banff, Canada
- 2007.08 Participate in ISFMA Symposium on Wavelet Methods in Mathematical Analysis and Engineering, Zhuhai, China
- 2007.05 Participate in Western Canadian Conference for Young Researchers in Mathematics 2007, Calgary, Canada
- 2006.05 Western Canadian Conference for Young Researchers in Mathematics 2006, Edmonton, Canada
- 2008.11 Volunteer in SNAP Math Fair, University of Alberta, Edmonton
- 2008.03 Volunteer in SNAP Math Fair, University of Alberta, Edmonton
- 2002.05 Participated in the ACM College Programming Contest (ACM-CPC) of Sun Yat-Sen University, China. Got 3rd prize
- 2001.10 Passed the National Computer Software Test and got a Rank Certificate

Research Students, Assistants, and Visitors

Visitors

2018.01	Prof. Congpei AN, Jinan University, Guangzhou, China
2017.07	Prof. Congpei AN, Jinan University, Guangzhou, China
2017.05	Prof. Bin Han, University of Alberta, Canada
2017.05	Prof. H.N.Mhaskar, Claremont University, USA
2016.07	Prof. Nira Dyn, Tel-Aviv Univ., Israel
2016.07	Prof. Chaoqiang Tan, Shantou Univ., China
2016.05	Prof. H.N.Mhaskar, Claremont University, USA
2016.05	Prof. Bin Han, University of Alberta, Canada
2016.02-2016.04	Prof. Congpei AN, Jinan University, Guangzhou, China
2016.01	Prof. Chaoqiang Tan, Shantou Univ., China
2015.02	Prof. Chaoqiang Tan, Shantou Univ., China
2014.12	Prof. Philipp Grohs, ETH Zurich, Switzerland.
2014.12	Prof. Bin Han, University of Alberta, Canada
2014.07	Prof. Chaoqiang Tan, Shantou Univ., China
2014.01	Prof. Chaoqiang Tan, Shantou Univ., China
2013.06	Prof. Chaoqiang Tan, Shantou Univ., China
2013.05	Prof. Bin Han, University of Alberta, Canada

Post-docs

2016.04-2016.10	Yun CHEN (PhD: Sun Yat-sen University)
2015.11-2016.08	Yu Guang WANG (PhD: New South Wales University)

Ph.D. Students

2015.09-Present	Zhihua CHE
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Final Year Project Students

2016.09-2017.05	Xinrui TAN
2013.09-2014.05	Ka Wing HO

Research Students

2017.10-2017.12	Hao Zhang, Wenxuan DAN
2017.06-2017.08	Zhen ZHANG, Hao ZHANG