个人简历

➢ 个人信息：

- 姓名： 秦胜潮
- 性别：男
- 出生年月：1974 年 8 月
- 联系方式：＋44（0）7894638945（手机）

shengchao.qin@gmail.com （电子邮箱）

http://www.scm.tees.ac.uk/s.qin

➢ 高等教育经历：

- 2005－2007： 英国 Durham 大学， 获英国高等教育教学研究生资格证书
- 2002－2004：新加坡国立大学新加坡－麻省理工联盟，博士后研究员
- 1997－2002：北京大学硕博连读，获北大理学博士学位

  博士生指导老师：张乃孝教授，裘宗燕教授，何积丰院士
- 1993－1997：北京大学读本科，获北大信息科学学士并免试直接读研

➢ 研究与工作经历：

- 现职位：英国 Teesside 大学计算机学院 终身教授（2011.6.1 至今）
- 英国 Teesside 大学计算机学院副教授（Reader；2010.6.1-2011.5.31；永久职位）
- 英国 Durham 大学计算机科学讲师（2005.1.1-2010.5.31；永久职位）
- 新加坡国立大学新加坡－麻省理工联盟研究员（2002.7.1-2004.12.31）
- 澳门联合国大学国际软件技术研究所访问学者（1999.9.1-2000.8.31）
- 北京大学数学科学学院助研（2000.9.1-2002.7.1）
- 北京大学数学科学学院助教（1997.9.1－2000.8.31）

➢ 其他荣誉与兼职情况：

- 2011 年入选“北京市海外高层次人才”（短期项目），同时被聘为“北京市特聘专家”

- 英国 Higher Education Academy 终身会士（Fellow）
- IEEE Computer Society 会员
- ACM 及 ACM SIGPLAN 技术会员
- 现担任国际软件形式化工程方法大会（ICFEM）执行委员会委员
- 现担任国际程序设计统一理论大会（UTP）执行委员会委员、主席
- 现担任 IEEE 国际软件工程理论大会（TASE）执行委员会委员
- 2009 年 IEEE 国际软件工程理论大会程序委员会主席
- 2010 年国际程序设计统一理论大会程序委员会主席
- 2011 年国际软件形式化工程方法大会程序委员会主席
- 担任 30 多次国际会议程序委员会委员

➢ 主要研究兴趣与研究领域：

- 计算机软件与理论
- 软件形式化方法
- 程序语言与程序理论
- 程序分析与软件验证
- 物理信息融合系统
- 并行与分布式软件的分析与验证

➢ 研究项目与经费情况：

2007 年以来作为唯一负责人独立主持 2 项英国国家级（EPSRC）科研项目。作为主要参与人参与数项中国自然科学基金。也获得其他各类项目若干项。过去 6 年总计获得的项目经费超过一百万英镑。以下是部分项目信息：

- EPSRC Grant EP/G042322: Inference Mechanisms for a Separation and Numerical Domain. 10/2009–9/2013. Total value: £ 488,899 (RC contribution: £ 403,535). (PI)
- EPSRC Grant EP/E021948: Resource Analysis and Verification for Dependable Embedded Software. *2.2007-7.2010*. Total value: £ 252,627 (RC contribution: £ 213, 681). (PI)
- Teesside International Visitor Award. £ 4,582. 2011
- Teesside DVC Special Grant. £10,000. 2010-2012 (PI)
- EPSRC Doctoral Training Award (10.2009 - 3.2013). £ 64,500. (PI)

- NSFC Grant: Object Encapsulation and Protection in OO: Theories and Techniques. 2008- 2010. CNY 500,000. (Co-I)
- NSFC Grant: Formal Models for Web Service Choreography Description Languages. 2008- 2010. CNY 300,000. (Co-I)
- Durham Doctoral Fellowship Grant. (10.2007-9.2010). £ 73,020. (PI)
- London Mathematical Society Small Grant. £ 500. 2006. (PI)
- NSFC Grant: Real-Time Embedded Systems Design. 2001-2003. CNY 240,000. (Co-I)
- Peking University Grant for Creative Ph.D Thesis Work. 2000-2002. CNY 10,000. (PI)

➢ 博士后、研究生等人员培养:

2005年以来作为第一导师指导6名博士生，其中两名已于2010年和2011年获得博士学位，一名于2013年3月通过博士论文答辩，2名即将获得博士学位，剩下1名在读。我也协同指导了4名博士生和1名硕士研究生；都已成功获得学位。我也指导过3名博士后，并担任博士论文考官若干次。

➢ 研究成果:

过去10年发表编著3部，国际高水平期刊和会议论文80余篇（其中SCI收录20余篇，EI收录约60篇; 中国计算机学会推荐论文 A类论文5篇，B类15篇）。论文被引用720余次，H-Index为12。 Google Scholar Citation个人主页：http://scholar.google.com/citations?user=5ehyiboAAAAJ

以下是主要论文列表。

- 编著:
  1. S. Qin and Z. Qiu. Formal Methods and Software Engineering. The 13th International Conference on Formal Engineering Methods. Springer.
  2. S. Qin. Unifying Theories of Programming. The 3rd International Symposium. Lecture Notes in Computer Science, Vol 6445. Springer.
  3. W. N. Chin and S. Qin. Theoretical Aspects of Software Engineering, the Third IEEE International Symposium. IEEE Computer Society 2009.

- 国际期刊杂志:
  1. S. Qin, G. He, C. Luo,W.-N. Chin and H. Yang. Automatically Refining Partial Specifications for Heap-Manipulating Programs. ***Science of Computer Programming***. Elsevier. Accepted (March 2013).
  2. S. Qin, G. He, C. Luo, W.-N. Chin, and X. Chen. Loop Invariant Synthesis

in a Combined Abstract Domain. **Journal of Symbolic Computation**. 50 (2013): 386-408. Elsevier. (DOI: 10.1016/j.jsc.2012.08.007)

3. M. Yang, Z. Wang, G. Pu, S. Qin, B. Gu, and J. He. The Stochastic Semantics and Verification for Periodic Control Systems. **Science China: Information Sciences**. 55(12): 2675–2693. 2012. (DOI: 10.1007/s11432-012-4750-0)
4. H. Zhu, F. Yang, J. He, J. Bowen, J. W. Sanders, and S. Qin. Linking Operational Semantics and Algebraic Semantics for a Probabilistic Timed Shared-Variable Language. **Journal of Logic and Algebraic Programming**. 81(1):2-25. 2012. Elsevier. (DOI: 10.1016/ j.jlap. 2011. 06.003)
5. W.-N. Chin, C. David, H. H. Nguyen, and S. Qin(通信作者). Automated Verification of Shape, Size and Bag Properties via User-Defined Predicates in Separation Logic. **Science of Computer Programming**. 77(9):1006-1036. 2012. Elsevier. (DOI: 10.1016/j.scico.2010.07.004)
6. C. Luo, F. Craciun, S. Qin, G. He, and W.-N. Chin. Verifying Pointer Safety for Programs with Unknown Calls. **Journal of Symbolic Computation**. 45(11):1163-1183. Elsevier. (DOI: 10.1016/j.jsc.2010. 06.003)
7. H. Zhu, S. Qin, J. He, and J. P. Bowen, PTSC: Probability, Time and Shared-Variable Concurrency. **International Journal on Innovations in Systems and Software Engineering**. 5(4):271-284, 2009. Springer. ISSN: 1614-5046.
8. J. S. Dong, P. Hao, S. Qin, J. Sun and W. Yi. Timed Automata Patterns. **IEEE Transactions on Software Engineering**. 34 (6): 844-859. 2008. (DOI: 10.1109/TSE.2008.52)
9. C. Luo, S. Qin, and Z. Qiu, Verifying BPEL-like Programs with Hoare Logic. **Frontiers of Computer Science** (in China). 2(4):344-356. 2008. ISSN: 1673-7350.
10. C. Luo and S. Qin, Separation Logic for Multiple Inheritance. Electronic Notes in Theoretical Computer Science. 212: 27-40 (2008).
11. S. Qin, W.-N. Chin, J. He, and Z. Qiu, From Statecharts to Verilog: a Formal Approach to Hardware/Software Co-Specification. **International Journal on Innovations in Systems and Software Engineering**. 2(1) :17-38. 2006. Springer. ISSN: 1614-5046.
12. S. Qin, J. He, Z. Qiu, and N. Zhang, An Algebraic Hardware/Software Partitioning Algorithm. **Journal of Computer Science and Technology**. 17(3):284–294. May, 2002.

- 国际会议论文:

13. G. Barnett and S. Qin. A Composable Mixed Mode Concurrency Control Semantics for Transactional Programs. The 14th International Conference on Formal Engineering Methods (ICFEM'12). Lecture Notes in Computer Science. Kyoto, Japan, 12-16 November 2012.
14. Z. Wang, G. Pu, J. Li, J. He, S. Qin, K. G. Larsen, J. Madsen, B. Gu. MDM: a Mode Diagram Modeling Framework for Periodic Control Systems. The 1st International Workshop on Formal Techniques for Safety-Critical Systems. Kyoto, Japan, 12 Nov 2012. EPTCS 105, 2012, pp. 135-149.
15. Y. Huang, Y. Zhao, S. Qin, G. He and J. F. Ferreira. A Timed CSP Model

for the Time-Triggered Language Giotto. 35th Annual IEEE Software Engineering Workshop. Heraclion, Crete, Greece, 12-13 October 2012.

16. H. Zhu, Q. Xu, C. Ma, S. Qin, and Z. Qiu. The Rely/Guarantee Approach to Verifying Concurrent BPEL Programs. The 10th International Conference on Software Engineering and Formal Methods (SEFM'12). Thessaloniki, Greece. 1-5 October 2012.
17. Y. Huang, Y. Zhao, J. Shi, H. Zhu and S. Qin. Investigating Time Properties of Interrupt- Driven Programs. The 15th Brazilian Symposium on Formal Methods (SBMF'12). 23- 28 September 2012. Natal-RN.
18. H. Zhu, P. Liu, J. He and S. Qin. Mechanical Approach to Linking Operational Semantics and Algebraic Semantics for Verilog. The 4th International Symposium on Unifying Theories of Programming. 27-28 Aug 2012. Lecture Notes in Computer Science. Vol 7681. Paris, France.
19. H. Zhu, J. W. Sanders, J. He and S. Qin. Denotational Semantics for a Probability Timed Shared-Variable Language. The 4th International Symposium on Unifying Theories of Programming. 27-28 August 2012. Lecture Notes in Computer Science. Volume 7681. Paris, France.
20. G. Barnett and S. Qin. Moverness for Locks and Transactions. The 6th International Symposium on Theoretical Aspects of Software Engineering (TASE'12). Beijing, China. 4-6 July 2012.
21. J. Ferreira, G. He, and S. Qin. Automated Verification of the FreeRTOS Scheduler in HIP/SLEEK. The 6th International Symposium on Theoretical Aspects of Software Engineering (TASE'12). Beijing, China. 4-6 July 2012.
22. S. Qin, C. Luo, W.N. Chin, and G. He. Automatically Refining Partial Specifications for Program Verification. **Formal Methods (FM 2011).** Lecture Notes in Computer Science. Springer.
23. C. Gherghina, C. David, S. Qin, and W.N. Chin. Structured Specifications for Better Verification of Heap-Manipulating Programs. **Formal Methods (FM 2011)**. Lecture Notes in Computer Science. Springer.
24. W.-N. Chin, C. Gherghina, R. Voicu, Q. L. Le, F. Craciun and S. Qin. A Specialization Calculus for Pruning Disjunctive Predicates to Support Verification. **Computer-Aided Verification (CAV 2011).** Lecture Notes in Computer Science. Springer.
25. S. Qin, A. Chawdhary, W. Xiong, M. Munro, Z. Qiu, H. Zhu. Towards an Axiomatic Verification System for JavaScript. The 5th International Symposium on Theoretical Aspects of Software Engineering (TASE'11). Pages 133-141. Xi'an, Shaanxi, China. IEEE CS Press.
26. S. Qin, G. He, C. Luo, and W.-N. Chin. Loop Invariant Synthesis in a Combined Do- main. Formal Methods and Software Engineering (ICFEM2010). Shanghai, China. November 2010. Lecture Notes in Computer Science. Springer.
27. S. Qin, C. Luo, G. He, F. Craciun, and W.-N. Chin. Verifying Heap-Manipulating Programs with Unknown Procedure Calls. Formal Methods and Software Engineering (ICFEM2010). Shanghai, China. November 2010. Lecture Notes in Computer Science. Springer.
28. S. Wang, Z. Qiu, S. Qin, and W.-N. Chin. Stack Bound Inference for Abstract Java Bytecode. The 4th IEEE International Symposium on Theoretical Aspects of Software Engineering (TASE 2010), Taipei, August 24 - 27, 2010.
29. G. He, S. Qin, C. Luo and W.N. Chin. Memory Usage Verification using

HIP/SLEEK. The International Symposium on Automated Technology for Verification and Analysis (ATVA09). Lecture Notes in Computer Science. Volume 5799. Pages 166-181. Springer. 2009.
30. F. Craciun, W.-N. Chin, G. He, and S. Qin. An Interval-based Inference of Variant Parametric Types. 18th **European Symposium on Programming (ESOP09)**. Lecture Notes in Computer Science. Volume 5502. Pages 112–127. 2009.
31. C. Luo, G. He, and S. Qin. A Heap Model for Java Bytecode to Support Separation Logic. The 15th Asia-Pacific Software Engineering Conference (APSEC08). Pages 127– 134. The IEEE CS Press. 2008.
32. F. Craciun, S. Qin, and W.-N. Chin. A Formal Soundness Proof of Region-based Memory Management for Object-Oriented Paradigm. Formal Methods and Software Engineering (ICFEM08). Lecture Notes in Computer Science, Volume 5256. Pages 126-146. 2008.
33. C. Luo, S. Qin, and Z. Qiu, Verifying BPEL-like Programs with Hoare Logic. The 2nd IEEE/IFIP International Symposium on Theoretical Aspects of Software Engineering (TASE08). Pages 151–158. The IEEE CS Press. 2008.
34. W.N.Chin, H.H.Nguyen, C.Popeea, and S.Qin, Analysing Memory Resource Bounds for Low-Level Programs. The International Symposium on Memory Management (ISMM08). Pages 151–160. The ACM Press. 2008.
35. W.-N. Chin, C. David, H. H. Nguyen, and S. Qin. Enhancing Modular OO Verification with Separation Logic. The 35th **ACM SIGPLAN-SIGACT Symposium on Principles of Programming Languages (POPL08).** Pages 87–99. The ACM Press. 2008.
36. W.-N. Chin, C. David, H. H. Nguyen, and S. Qin. Multiple Pre/Post Specifications for Heap-Manipulating Methods. 10th IEEE High Assurance Systems Engineering Symposium (HASE07). Pages 357–364. The IEEE CS Press. 2007.
37. W.-N. Chin, C. David, H. H. Nguyen, and S. Qin. Automated Verification of Shape, Size and Bag Properties. 12th IEEE International Conference on Engineering of Complex Computer Systems (ICECCS07). Pages 307-320. The IEEE CS Press. ISBN: 0-7695- 2895-3. 2007.
38. S. Qin and G. He, Linking Object-Z with Spec#. 12th IEEE International Conference on Engineering of Complex Computer Systems (ICECCS07). Pages 185-196.The IEEE CS Press. ISBN: 0-7695-2895-3. 2007.
39. H. H. Wang, S. Qin, J. Sun and J. S. Dong, Realizing Live Sequence Charts in System Verilog. 1st IEEE/IFIP International Symposium on Theoretical Aspects of Software Engineering (TASE07). Pages 379-388. The IEEE CS Press. ISBN: 978-0-7695-2856-4. 2007.
40. H. H. Nguyen, C. David, S. Qin, and W.-N. Chin, Automated Verification of Shape and Size Properties via Separation Logic. **8th International Conference on Verification, Model Checking, and Abstract Interpretation (VMCAI07)**. Lecture Notes in Computer Science. Volume 4349. Pages 251–266. Springer-Verlag. 2007.
41. J. S. Dong, P. Hao, X. Zhang, and S. Qin, HighSpec: a Tool for Building and Checking OZTA Models. Proceeding of **the 28th International Conference on Software Engineering (ICSE06)**. Pages 775–778. The ACM Press. ISBN:1-59593-375-1. 2006.

42. H. Zhu, S. Qin, J. He, and J. P. Bowen, Integrating Probability with Time and Shared- Variable Concurrency. The 30th Nasa/IEEE Software Engineering Workshop (SEW-30). Pages 179–189. The IEEE CS Press. 2006.
43. J. He, S. Qin, and A. Sherif, Constructing Property-Oriented Models for Verification. First International Symposium on Unifying Theories of Programming (UTP06). Lecture Notes in Computer Science. Volume 4010, Pages 85–100, Springer-Verlag. ISBN:3- 540-34750-X. 2006.
44. J. S. Dong, P. Hao, S. Qin, and X. Zhang, The Semantics and Tool Support of OZTA. Formal Methods and Software Engineering (ICFEM05). Lecture Notes in Computer Science. Volume 3785, Pages 66–80. Springer-Verlag. ISBN: 3-540-29797-9. 2005。
45. W.-N. Chin, H. H. Nguyen, S. Qin, and M. Rinard, Memory Usage Verification for OO Programs. **The 12th International Static Analysis Symposium (SAS05)**. Lecture Notes in Computer Science. Volume 3672, Pages 70–86. Springer. ISBN: 3-540-28584-9. 2005.
46. W.-N. Chin, S.-C.Khoo, S.Qin, C. Popeea, and H.H.Nguyen, Verifying Safety Policies with Size Properties and Alias Controls. **27th International Conference on Software Engineering (ICSE05)**. Pages 186–195. The ACM Press. 2005.
47. J. S. Dong, P. Hao, S. Qin, J. Sun and Y. Wang, Timed Patterns: TCOZ to Timed Automata. Formal Methods and Software Engineering (ICFEM04). Lecture Notes in Computer Science. Volume 3308, Pages 483–498. ISBN: 3-540-23841-7. Springer. 2004.
48. J. He, Z. Liu, X. Li, and S. Qin, A Relational Model for Object-Oriented Designs. The Second ASIAN Symposium on Programming Languages and Systems (APLAS04). Lecture Notes in Computer Science. Volume 3302. Pages 415-436. ISBN: 3-540-23724-0. Springer. 2004.
49. T.V. Viet-Anh, S. Qin, and W.-N. Chin. Automatic Mapping from Statecharts to Verilog. First International Colloquium on Theoretical Aspects of Computing (ICTAC04). 2004. Lecture Notes in Computer Science. Volume 3407. Pages 187–203. Springer. 2004.
50. W.-N. Chin, F. Craciun, S. Qin and M. Rinard, Region Inference for an Object-Oriented Language. **ACM SIGPLAN Programming Language Design and Implementation (PLDI04).** Pages 243–254. The ACM Press. 2004.
51. J.S. Dong, S. Qin and J. Sun, Generating MSCs from an Integrated Formal Specification Language. Integrated Formal Methods (IFM04). Lecture Notes in Computer Science. Volume 2999. Pages 168–186. ISBN 3-540-21377-5. Springer.2004.
52. Q. Long, Z. Qiu and S. Qin, The Equivalence of Statecharts. Formal Methods and Software Engineering (ICFEM03). Lecture Notes in Computer Science. Volume 2885. Pages 125–143. Springer. 2003.
53. S. Qin, J.S. Dong and W.-N. Chin, A Semantic Foundation for TCOZ in Unifying Theories of Programming. **Formal Methods (FM03).** Lecture Notes in Computer Science. Vol 2805. Pages 321–340. Springer. 2003.
54. S. Qin and W.-N. Chin, Mapping Statecharts to VERILOG for Hardware / Software Co-Specification. **Formal Methods (FM03).** Lecture Notes in Computer Science 2805. Pages 282–300. Springer. 2003.

55. S. Qin, J. He, Z. Qiu, and N. Zhang, Hardware/Software Partitioning in Verilog. Formal Methods and Software Engineering (ICFEM02). Lecture Notes in Computer Science. Vol 2495. Pages 168–179, Springer. 2002.
56. S. Qin, Z. Qiu and J. He, Constructing Hardware/software Interface Using Protocol Converters. In the 2nd Asia-Pacific Conference on Quality Software (APAQS01, the predecessor of QSIC). The IEEE CS Press, Pages 141–148. 2001.
57. S. Qin and J. He, Partitioning Program into Hardware and Software. In the 8th Asia- Pacific Software Engineering Conference (APSEC01). The IEEE CS Press, Pages 309– 316.2001.
58. S. Qin and J. He, An Algebraic Approach to Hardware/software Partitioning. In the proceedings of the 7th IEEE International Conference on Electronics, Circuits and Systems (ICECS00). The IEEE CS Press, Pages 273–276. 2000.
59. H. H. Nguyen, W. N. Chin, S. Qin and M. Rinard. Memory Usage Inference for Object-Oriented Programs, Singapore-MIT Alliance Symposium, January 2005.
60. W. N. Chin, S. Qin and M. Rinard. Region Type Checking for Core-Java, Singapore- MIT Alliance Symposium, January 2004.
61. S. Qin, J. He, and W. N. Chin. Towards An Automated Approach to Hardware/Software Decomposition, Singapore-MIT Alliance Symposium, January 2003.

- 已投稿论文:

62. G. He, S. Qin, W.-N. Chin and F. Craciun. Automatic Specification Discovery in a Combined Abstract Domain. Under submission, 2013.
63. R. Arisaka and S. Qin. Phased Sequent Calculus: Sequent Calculus to Study Logic Combinations. Under consideration by the **IEEE Symposium on *Logics in Computer Science* 2013**.
64. J. Ferreira, G. He, and S. Qin. Automated Verification of the FreeRTOS Scheduler in HIP/SLEEK. Under consideration by International Journal on Software Tools for Technology Transfer. Springer 2013.
65. R. Arisaka and S. Qin. Structural Interactions, Absorption of Structural Rules and Decidability in BI Sequent Calculus. Under consideration by ***ACM Transactions on Computational Logic***.
66. Y. Huang, J. Ferreira, G. He, S. Qin and J. He. Analysing AUTOSAR OS Timing Protection Mechanism in the Presence of Interrupts. Under consideration by the 18th IEEE International Conference on Engineering of Complex Computer Systems (ICECCS2013).
67. H. Zhu, J. He, S. Qin and P. Brooke. Denotational Semantics and Its Algebraic Derivation for an Event-Driven System-Level Language. Under consideration by ***Formal Aspects of Computing***.

- 技术报告／学术论文:

68. S. Qin, C. Luo, W.-N. Chin, and G. He. Automatically Refining Partial Specifications for Program Verification. Technical Report. School of Computing, Teesside University. January 2011
69. F. Craciun, W.-N. Chin, G. He, and S. Qin. An Interval-based Inference of

Variant Para- metric Types. Technical Report. Department of Computer Science, Durham University. December, 2008.
70. F. Craciun, S. Qin, and W.-N. Chin. A Formal Soundness Proof of Region-based Memory Management for Object-Oriented Paradigm. Technical Report. Department of Computer Science, Durham University. April, 2008.
71. C. Luo, S. Qin, and Z. Qiu. Verifying BPEL-like Programs with Hoare Logic. Technical Report. Department of Computer Science, Durham University. March, 2008.
72. W.-N. Chin, H. H. Nguyen, S. Qin, and Martin Rinard. Predictable Memory Usage for Object-Oriented Programs. Technical Report, November, 2004. School of Computing, National University of Singapore.
73. W.-N. Chin, S.-C. Khoo, S. Qin, C. Popeea, and H. H. Nguyen. Verifying Safety Policies with Size Properties and Alias Controls. Technical Report, September, 2004. School of Computing, National University of Singapore.
74. W.-N. Chin, S.-C. Khoo and S. Qin. A Sized Type System for Objects with Alias Controls. Technical Report, 2004. School of Computing, National University of Singapore.
75. W.-N. Chin, F. Craciun, S. Qin, and M. Rinard. Region Inference for an Object-Oriented Language. Technical Report, 2003. School of Computing, National University of Singapore.
76. J. S. Dong, P. Hao, S. Qin, J. Sun and W. Yi. TCOZ to Timed Automata. Technical Report TRC6/03. School of Computing, National University of Singapore.
77. S. Qin, J. He, Z. Qiu, and N. Zhang. Hardware/Software Partitioning in Verilog . Re- search Report 2002-33, School of Mathematical Sciences, Peking University.
78. S. Qin, Z. Qiu and J. He. Constructing Hardware/software Interface Using Protocol Converters. Research Report 2001-20, School of Mathematical Sciences, Peking University.
79. S. Qin, J. He, Z. Qiu, and N. Zhang. An Algebraic Hardware/Software Partitioning Algorithm. Research Report 2001-21, School of Mathematical Sciences, Peking University.
80. S. Qin and J. He. An Algebraic Approach to Hardware/software Partitioning. UNU/IIST Research Report 206, Macau, June, 2000.
81. S.Qin. An Algebraic Approach to Hardware/Software Partitioning in Hardware/Software Co-Design. Ph.D Thesis. School of Mathematical Sciences. Peking University. 2002.

- 教学与课程设计:

能够胜任本科与研究生计算机科学方面核心课程的教学，特别是计算机软件理论，形式化方法，程序语言，软件工程，程序理论等方面。在新加坡国立、英国Durham等大学承担过本科、研究生若干核心课程的教学任务，教学经验丰富。主持Teesside大学计算机科学高级硕士研究生课程的所有科目设计等。