

Dr. Yijun Yu

Curriculum Vitae

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1 Higher Education

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|-------------|--|-----------------|
| 1995 - 1998 | Fudan University
Ph.D. (Computer Science)
Thesis: <i>An Interactive Parallel Programming Environment</i>
Advisor: Prof. Chuan-Qi Zhu | Shanghai, China |
| 1992 - 1995 | Fudan University
MSc. (Computer Science)
Thesis: <i>Object-Oriented Development of Graphic Editors</i>
Advisor: Prof. Jiahua Qian and Prof. Leqiu Qian | Shanghai, China |
| 1988 - 1992 | Fudan University
BSc. (Computer Science) | Shanghai, China |

2 Appointments and experience

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| 10/06 - present | The Open University
Senior Lecturer in Computing | Milton Keynes, UK |
| 03/08 - 04/08 | University of Trento
Visiting Professor in Information Engineering and Computer Science | Trento, Italy |
| 01/03 - 10/06 | University of Toronto
Research Associate in the Department of Computer Science
Prof. John Mylopoulos, advisor | Toronto, Canada |
| 01/03 - 12/06 | IBM Canada
Visiting Research Scientist in the Center for Advanced Studies
Dr. Marin Litoiu, collaborator | Toronto, Canada |
| 01/99 - 12/02 | Ghent University
Post-Doctorate Researcher in Parallel Information Systems Group
Prof. Erik H. D'Hollander, advisor | Ghent, Belgium |

3 Contributions to Open University teaching and student support

3.1 Organisational responsibilities

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|-----------------|--|-------------------|
| 07/10 - present | The Open University
M889 - Computer Forensics and Investigations - Postgraduate (15 points)
Chair of the module presentation team | Milton Keynes, UK |
| 07/10 - present | The Open University
M883 - Requirements Engineering - Postgraduate (15 points)
Member of the module presentation team | Milton Keynes, UK |
| 10/07 - present | The Open University
M257 - Putting Java to Work - Graduate (30 points)
Member of the module presentation team (1/3) | Milton Keynes, UK |

10/06 - present **The Open University** **Milton Keynes, UK**
M362 - Developing concurrent distributed systems - Graduate (30 points)
Member and Critical Reader of the module production/presentation team (1/5)

3.2 Contribution to teaching materials

10/07 - present **The Open University** **Milton Keynes, UK**
M257 - Putting Java to Work (30 points)
TMA/Exam co-authoring and tutor monitoring

10/06 - present **The Open University** **Milton Keynes, UK**
M362 - Developing concurrent distributed systems (30 points)
Critical read of all course units and preparing assessments materials, tutor monitoring

3.3 Contributions to staff and student support and associated activities

10/06 - present **The Open University** **Milton Keynes, UK**
M801 - MSc students (60 points)
Specialist for over 10 MSc students

04/07 - 04/07 **The Open University** **Milton Keynes, UK**
One-day hands-on tutorial to staff of Java Technology Group at the Computing department on Eclipse plugin development

3.4 Contribution to teaching outside the Open University

05/05 - 08/05 **University of Toronto** **Toronto, Canada**
Lecturer of the undergraduate Software Engineering course (CSC408H1S): producing and presenting course materials, assessments and tutorials for 26 lecture hours
<http://www.cdf.toronto.edu/~csc408h/summer>

01/05 - 04/05 **University of Toronto** **Toronto, Canada**
Lecturer of the Advanced Software Engineering II course (ECE450H1): producing and presenting course materials, assessments and tutorials for 26 lecture hours
<http://www.cs.toronto.edu/~yijun/ece450h>

09/04 - 12/04 **University of Toronto** **Toronto, Canada**
Lecturer of undergraduate Software Engineering course (CSC408H1F): producing and presenting course materials, assessments and tutorials for 26 lecture hours
<http://www.cs.toronto.edu/~yijun/csc408h>

01/02 - 12/02 **University of Ghent** **Ghent, Belgium**
Teaching Assistant of undergraduate course on Parallel and Distributed Systems: presenting tutorials

4 Contributions to administration and management

01/09 - present **The Open University** **Milton Keynes, UK**
Content coordinator of the video wall in Jennie Lee Building
<http://computing-research.open.ac.uk/trac/mediawall>

11/06 - 11/10 **The Open University** **Milton Keynes, UK**
Webmaster of the Computing Department
<http://computing.open.ac.uk>

11/06 - 11/10 **The Open University** **Milton Keynes, UK**
Webmaster of the Center for Research in Computing
<http://crc.open.ac.uk>

5 Research and scholarship

5.1 Research Interests

Current research interests centre on the traceability alignment in the software systems in order to retrofit existing solutions into self-managing systems that can proactively adapt to environmental changes.

5.2 Research funding

2011-2013 Project title: Model-driven Development of Graphical User Interfaces Grant: £30,000
Funder: Computing Department PhD Studentship, The Open University PI

2011-2012	Project title: Software Engineering for Usable Mobile Privacy Management Funder: Microsoft Software Engineering Innovation Foundation Awards (SEIF 2011)	Grant: \$74,800 co-I
2011-2012	Project title: Model-Driven Invariant Traceability for Engineering Adaptive Software Systems Funder: National Key Lab on Software Engineering with Nanjing University	Grant: RMB 40000 PI
2011	Project title: Statistical Analysis of Software Bugs, hosted by Dr Jinghao Xue at University of College London Funder: London Mathematics Society Scheme 7	Grant: £373 co-PI
2010-2012	Project title: Software Release Management Funder: The Open University Chartered PhD Studentship	Grant: £30000 co-PI
2009-2012	Project title: Model-Based Security Aspects Funder: The Open University Faculty PhD studentship	Grant: £30000 PI
2009-2011	Project title: SecureChange: Security Software Engineering for life-long Evolving Systems Funder: EU	Grant: €5M co-I
2009	Project title: Low carbon economic growth in the East England, partly financed by European Regional Development Fund (ERDF) Funder: EU and i10.org.uk	Grant: £1350 PI
2009-2011	Project title: Construction of Intelligent Self Managing Software Systems, IIPL-09-015 Funder: Shanghai Intelligent Information Processing Lab	RMB 20000 PI
2009	Project title: Hosting visiting lecturer from ChongQing University Funder: China NSF	Grant: £3000 PI
2008-2010	Project title: Research on Self-Adaptive Fault-Tolerant Software Architectures Funder: China NSF	Grant: RMB 500000 co-PI
2007	Project title: Model-based Formal Security Analysis of Crypto-Protocol Implementations Funder: Royal Society International joint project with TU-Munich	Grant: £10300 co-I
2007	Project title: Security Software Engineering Funder: Royal Society International joint project with NII Japan	Grant: £11860 co-I
2007	Project title: International travel grant ITG 06-1105 ASE'07 Funder: Royal Society of Engineering	Grant: £700 PI
2006	Project title: Logging, Monitoring and Diagnosis Systems for Enterprise Software Application Funder: NSERC/Computer Associates	Grant: CAN\$ 100000 co-I
2005	Project title: Requirements-Driven Autonomic System Design Funder: NSERC Autonomic Computing	Grant: CAN\$ 100000 co-I
2003-2004	Project title: C/C++ Header Restructuring Funder: NSERC Network-Centric Software Reengineering	Grant: CAN\$ 100000 co-I
1996-2002	Project title: PEFPT – Programming Environment for Fortran Parallelizing Transformer Funder: Flemish Government (GWO) and European Commission	Grant: RMB 1000000 co-I

5.3 Awards and scholarships

2011	IEEE Distinguished Paper award at the International Conference on Requirements Engineering (RE'11). Extended version of this paper was invited to submission to the Requirements Engineering Journal	
2008	BCS Visions on Computer Sciences Conference 2008. Extended version of this paper was invited to publication in the Computer Journal	
2007	ACM SIGSOFT Distinguished Paper award at the International Conference on Automated Software Engineering (ASE'07). Extended version of this paper was invited to publication in the Automated Software Engineering Journal	
2002	Best student paper award at the International Conference on Parallel and Distributed Computing and Systems (PDCS'02).	
2000	Best paper award at the International Workshop of Visual Methods for Parallel and Distributed Programming (VMPDP'00). Extended version of this paper was invited to publication in the Journal of Visual Language and Computing.	
09/96-07/97	Fudan University Motorola Scholarship of Fudan University.	Shanghai, China
09/94-07/95	Fudan University Kodak Scholarship of Fudan University.	Shanghai, China
09/93-07/94	Fudan University Motorola Scholarship of Fudan University.	Shanghai, China
09/91 - 07/92	Fudan University First Class Scholarship of Fudan University (Among top 1% of undergraduate students. Fudan University was ranked as one of the Top 5 universities in P. R. China.).	Shanghai, China

6 Postgraduate student supervision

10/11 - present	The Open University co-Supervising Pierre Akiki with Arosha Bandara	Milton Keynes, UK full-time PhD
10/10 - present	The Open University co-Supervising Tezscan Dilsner with Michel Wermelinger	Milton Keynes, UK part-time PhD
02/10 - present	The Open University co-Supervising Saad Saleem with Bashar Nuseibeh and Anne De Roeck (with C.B. Haley before May 2010)	Milton Keynes, UK full-time PhD

10/09 - present	The Open University co-Supervising Lionel Montrieux with Michel Wermelinger (with Charles Haley before May 2010) <i>Model-Based Security Aspects</i>	Milton Keynes, UK full-time PhD
10/09 - present	The Open University co-Supervising Peter Coles with Hugh Robinson <i>Empirical Study on Agile Software Development</i>	Milton Keynes, UK part-time PhD
02/09 - 02/09	The Open University Internal examination for Armstrong Nhlabatsi <i>Initialisation Problems in Feature Composition</i>	Milton Keynes, UK PhD
05/09 - 06/09	The Open University Internal examination for Mike Ellims <i>The Effectiveness of t-way Test Data Generation</i>	Milton Keynes, UK PhD
10/08 - present	The Open University co-Supervising Simon Butler with Michel Wermelinger and Helen Sharp <i>Programming Conventions</i>	Milton Keynes, UK part-time PhD
10/08 - present	The Open University co-Supervising Jerry Overton with Jon Hall and Lucia Rapanotti <i>Pattern-Oriented Software Development through Problem-Oriented Engineering</i>	Milton Keynes, UK part-time MPhil
10/06 - 01/09	The Open University co-Supervising Mohammed Salifu with Bashar Nuseibeh <i>Analysing the Requirements for Monitoring and Switching: A Problem-Oriented Approach</i>	Milton Keynes, UK full-time PhD

7 External academic activities

7.1 Contributions to professional organisations

2007-present	Membership Secretary, BCS Requirements Engineering Specialist Group
2007-present	Member, BCS Computer Society.
2001-present	Member, IEEE Computer Society.

7.2 Academic editorial work

2008-present	Associated Editor, International Software Quality Journal
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7.3 Contributions to conferences

2012	Program Committee co-chair, 6th International Workshop on Software Quality and Maintenance (SQM'12 @ CSMR)
2012	Program Committee member, 20th IEEE International Conference on Requirements Engineering (RE'12)
2012	Program Committee member, IEEE International Conference on Model Transformations (ICMT'12)
2012	Program Committee member, European Conference on Software Maintenance and Reengineering (CSMR'12)
2012	Program Committee member, 6th International Conference on Research Challenges in Information Science (RCIS'12)
2012	Program Committee member, 9th IFIP International Conference on Network and Parallel Computing (NPC'12)
2011	Program Committee co-chair, International workshop on Traceability, Dependencies and Software Architecture (TDSA'11 @ ECSA)
2011	Session Chair, 19th IEEE International Conference on Requirements Engineering (RE'11)
2011	Program Committee member, 19th IEEE International Conference on Requirements Engineering (RE'11)
2011	Program Committee member, 8th IFIP International Conference on Network and Parallel Computing (NPC'11)
2011	Program Committee co-chair, 1st International Workshop on Evolving Critical Systems (IWECS'11)
2010	Program Committee member, 7th IFIP International Conference on Network and Parallel Computing (NPC'10)
2010	Program Committee member, 18th International Conference on Requirements Engineering (RE'10)
2010	Program Committee member, 5th Requirements Engineering Education and Training (REET@RE'10)
2010	Program Committee member, 1st International Workshop on Goal-based Business Process Engineering (WGBP@EDOC'2010)
2009	Program Committee member, ICSM'09 International Conference on Software Maintenance
2009	Program Committee member, 25th ACM Annual SAC, RE-Track

2009	Workshop Committee member, RE'09 conference
2009	Program Committee member, 4th Requirements Engineering Education and Training workshop (REET@RE'09)
2009	Program Committee member, AOSD'09 Early Aspect Workshop@AOSD
2009	Program Committee member, OOPSLA'09 Workshop on Software Patterns and Quality (SPAQu@OOPSLA'09)
2008	Program Committee member, International Conference on Composition-Based Software Systems (ICCBSS'08)
2008	Program Committee member, ICSR'08 International Workshop on Domain Specific Analysis and Design for Reuse (DSADR@ICSR'08)
2008	Program Committee member, IUI'08 Workshop on Common Sense Knowledge and Goal-Oriented Interfaces (CSKGOI 2008)
2008	Program Committee member, RE'08 The Third International Workshop on Requirements Engineering and Education and Training (REET@RE'08)
2007	Program Committee member, International Conference on Complex, Intelligent and Software-Intensive Systems (CISIS'07)
2005	Organizer and Program Committee member, the 1st International Workshop on Reverse Engineering To Requirements (RETR@WCRE'05).
2005	Program committee member, the Agent-Based Web Engineering Workshop (ABWE@ICWE'05).
2003	Session chair, IASTED International Conference on Applied Informatics (AI'03).

7.4 External examinations

09/10 - 09/10	University of Trento External examination for Raian Ali Thesis title: Modeling and Reasoning about Contextual Requirements: Goal-based Framework	Trento, Italy PhD
10/09 - 10/09	University of Pretoria External examination for EIM Sa'adeh Thesis title: Fine-grain transformations for refactoring	Pretoria, South Africa PhD
09/09 - 09/09	University of Namur External examination for Lionel Montrieux Thesis title: Model-based UMLsec Security Aspects	Namur, Belgium MSc

7.5 Invited lectures

12/2012	Infinitely Open: Linking Problems and Solutions by Doing-It-Yourself	Peking University, China
12/2012	Specifying and Detecting Meaningful Changes in Software Development	Microsoft Research Asia, China
10/2011	Maintaining Invariant Traceability through Bidirectional Transformations	NII, Japan
03/2011	Requirements-driven Self-Tuning for Engineering Adaptive Systems	University College London, UK
12/2010	Model-based Argument Analysis for Evolving Security Requirements	Fudan, Jiaotong University, China
12/2009	Towards a Self-Managing Software Engineering Process	Fudan University, China
10/2009	On the Archaeology of Transformations	University of Leister, UK
07/2009	GTTSE'09 Summer school tutorial: Archaeology of Transformations	Braga, Portugal
04/2009	From Context-Aware Variability to Invariant Traceability	Fudan University, China
03/2009	Making Traceability Invariant for Secure Software Systems	Robert Gordon University, UK
10/2005	Reducing Build Time through Precompilations for Evolving Large Software	University of Waterloo, Canada
05/2005	Towards requirements-driven autonomic systems	University of Ottawa, Canada
02/2005	OpenOME Distilled	University of Toronto, Canada
07/2004	Aspect-Oriented Requirements Engineering	IBM Center of Advanced Studies, Canada
05/2004	Refactoring legacy code into goal models	University of Montreal, Canada
05/2003	Header restructuring for build process speedup	University of Victoria, Canada
02/2002	Iteration Space Visualization for Parallelism	Ghent University, Belgium

7.6 Other information

- 2012 Reviewer, Journal of Software and Systems, Automated Software Engineering Journal, Science of Computer Programming, IET Software, International Journal of Software Engineering and Its Applications
- 2011 Reviewer, IEEE Software, Journal of Software and Systems, Journal of Information and Software Technology
- 2010 Reviewer, ACM Trans. on Software Engineering Methodologies, IET Software Journal, Requirements Engineering Journal
- 2009 Reviewer, IEEE Transactions on Parallel and Distributed Systems, IEEE Transactions on Software Engineering, IET Software Journal, Journal of Automated Software Engineering
- 2008 Reviewer, Journal of Software Practice & Experience, ACM Trans. on Software Engineering Methodologies, Requirements Engineering Journal.
- 2007 Reviewer, IEE Software Journal, IEEE Trans. on Software Engineering, Requirements Engineering Journal
- 2005 Reviewer, International Conference on Software Engineering (ICSE'06), International Conference on Computer Aided Verification (CAV'06, Requirements Engineering Journal (REJ), Early Aspects Workshop (EA@AOSD'05), International Conference on Requirements Engineering (RE'05).
- 2004 Reviewer, ACM Transactions on Software Engineering Methodology (TOSEM), CASCON'04 conference, International Conference on Requirements Engineering (RE'04).
- 2002 Reviewer, IEEE Transactions on Parallel and Distributed Systems (TPDS), International Journal of Parallel Programming (IJPP).
- 2001 Reviewer, Journal of Parallel Computing (JPC).

8 Selected Publications

8.1 Journal Articles

1. Michel Wermelinger, Yijun Yu, Angela Lozano Rodriguez, and Andrea Capiluppi. Assessing architectural evolution: a case study. *Empirical Software Engineering*, page (in press), 2012. The final version is available at the DOI given above. The zip file is the web companion mentioned in the paper.
2. Xin Peng, Yijun Yu, and Wenyun Zhao. Analyzing evolution of variability in a software product line: from contexts and requirements to features. *Information and Software Technology*, 53(7):707–721, July–Summer 2011.
3. Andreas Bauer, Jan Jürjens, and Yijun Yu. Run-time security traceability for evolving systems. *The Computer Journal*, 54(1):58–87, 2011. A preliminary version of this paper was presented at the BCS08 Visions of Computer Science Conference, held on 22-24 September 2008.
4. Armstrong Nhlabatsi, Bashar Nuseibeh, and Yijun Yu. Security requirements engineering for evolving software systems: a survey. *International Journal of Secure Software Engineering (IJSSE)*, 1(1):54–73, 2010.
5. Yiqiao Wang, Sheila A. Mcilraith, Yijun Yu, and John Mylopoulos. Monitoring and diagnosing software requirements. *Automated Software Engineering*, 16(1):3–35, March 2009. ACM Distinguished Paper Award from the 22nd ACM/IEEE International Conference on Automated Software Engineering, 2007.
6. Yijun Yu, Jianguo Lu, John Mylopoulos, Weiwei Sun, Jing-Hao Xue, and Erik H. D'Hollander. Making XML Document Markups International. *Software: Practice and Experience*, 35(1):1–14, January/Winter 2005.
7. Yijun Yu, Kristof Beyls, and Erik H. D'Hollander. Visualizing the impact of the cache on program execution. *Journal for the Integrated Study of AI, Cognitive Science and Applied Epistemology*, 19(3-4):1–23, 2004. Original paper was presented to the International Conference on Information Visualization, 2001.
8. Weiwei Sun, Weibin Shi, Bole Shi, and Yijun Yu. A cost-efficient scheduling algorithm of on-demand broadcasts. *Wireless Networks*, 9(3):239–247, May 2003.
9. Yijun Yu and Erik H. D'Hollander. Loop Parallelization using the 3D Iteration Space Visualizer. *Journal of Visual Languages and Computing*, 12(2):163–181, April/Spring 2001. This paper was judged to be best paper at the 1st VMPDP Workshop at the International Conference on Visual Languages, 2001.

8.2 In Proceedings

1. Yijun Yu, Yu Lin, Zhenjiang Hu, Soichiro Hidaka, Hiroyuki Kato, and Lionel Montrieux. Maintaining invariant traceability through bidirectional transformations. In *ICSE 2012*, 2012. accepted.
2. Yijun Yu, Thein Than Tun, and Bashar Nuseibeh. Specifying and detecting meaningful changes in programs. In *26th ACM/IEEE International Conference on Automated Software Engineering, 2011*, pages 273–282, 2011.
3. Lionel Montrieux, Michel Wermelinger, and Yijun Yu. Challenges in model-based evolution and merging of access control policies. 2011. ISBN: 978-1-4503-0848-9.

4. Lionel Montrieux, Michel Wermelinger, and Yijun Yu. Tool support for uml-based specification and verification of role-based access control properties. 2011. The UML profile and example described in this paper can be downloaded from the Related URL given below. ISBN: 978-1-4503-0443-6.
5. Bihuan Chen, Xin Peng, Yijun Yu, and Wenyun Zhao. Are your sites down? requirements-driven self-tuning for the survivability of web systems. 2011. This paper is an extended version of our poster paper (B. Chen, X. Peng, Y. Yu, and W. Zhao, Survivability-oriented self-tuning of Web systems in WWW, 2011, pp. 23-24.) that briefly presents the motivation and overview of our method.
6. Virginia Franqueira, Thein Than Tun, Yijun Yu, Roel Wieringa, and Bashar Nuseibeh. Risk and argument: a risk-based argumentation method for practical security. 2011.
7. Guillaume Benats, Arosha Bandara, Yijun Yu, Jean-Noel Colin, and Bashar Nuseibeh. PrimAndroid: privacy policy modelling and analysis for Android applications. In *IEEE International Symposium on Policies for Distributed Systems and Networks*, June 2011.
8. Thomas Heyman, Koen Yskout, Riccardo Scandariato, Holger Schmidt, and Yijun Yu. The security twin peaks. In *Engineering Secure Software and Systems - Third International Symposium*, 2011.
9. Simon Butler, Michel Wermelinger, Yijun Yu, and Helen Sharp. Improving the tokenisation of identifier names. In *25th European Conference on Object-Oriented Programming*, 2011.
10. Michel Wermelinger and Yijun Yu. Some issues in the 'archaeology' of software evolution. In J. M. Fernandes, R. Lämmel, J. Visser, and J. Saraiva, editors, *Generative and Transformational Techniques in Software Engineering III*, number 6491 in Lecture Notes in Computer Science, pages 426-445. Springer, 2011. International Summer School, GTTSE 2009, Braga, Portugal, July 6-11, 2009, Revised Papers.
11. Simon Butler, Michel Wermelinger, Yijun Yu, and Helen Sharp. Exploring the influence of identifier names on code quality: An empirical study. In *14th European Conference on Software Maintenance and Reengineering*, march 2010.
12. Jerry Overton, Jon Hall, Lucia Rapanotti, and Yijun Yu. Towards a problem oriented engineering theory of pattern-oriented analysis and design. In *Proceedings of 3rd IEEE International Workshop on Quality Oriented Reuse of Software (QUORS)*, pages 255-260, September 2009. 978-0-7695-3726-9.
13. Thein Tun, Michael Jackson, Robin Laney, Bashar Nuseibeh, and Yijun Yu. Are your lights off? using problem frames to diagnose system failures. In *17th IEEE International Requirements Engineering Conference*, August 2009.
14. Nan Niu, Yijun Yu, Bruno González-Baixauli, Neil Ernst, Julio Cesar Sampaio do Prado Leite, and John Mylopoulos. Aspects across software life cycle: A goal-driven approach. In Shmuel Katz, Harold Ossher, Robert France, and Jean-Marc Jézéquel, editors, *Transactions on Aspect-Oriented Software Development VI*, volume VI of *Lecture Notes in Computer Science*, pages 83-110. Springer, June 2009.
15. Michel Wermelinger, Yijun Yu, and Markus Strohmaier. Using formal concept analysis to construct and visualise hierarchies of socio-technical relations. In *Proceedings of the 31st International Conference on Software Engineering, Companion Volume*. IEEE, May 2009. Appears in Proceedings of the 31st International Conference on Software Engineering, Companion Volume, pp 327-330.
16. Yijun Yu, Nan Niu, Bruno González-Baixauli, John Mylopoulos, Steve Easterbrook, and Julio Cesar Sampaio do Prado Leite. Requirements engineering and aspects. In Kalle Lyytinen, Pericles Loucopoulos, John Mylopoulos, and Bill Robinson, editors, *Design Requirements Engineering: A Ten-Year Perspective*, volume 14 of *Lecture Notes in Business Information Processing*, pages 432-452. Springer Berlin Heidelberg, January/Winter 2009.
17. Simon Butler, Michel Wermelinger, Yijun Yu, and Helen Sharp. Relating identifier naming flaws and code quality: An empirical study. In *16th Working Conference on Reverse Engineering*, 2009. Page(s): 31-35.
18. Thein Tun, Yijun Yu, Robin Laney, and Bashar Nuseibeh. Early identification of problem interactions: A tool-supported approach. In Martin Glinz and Patrick Heymans, editors, *Requirements Engineering: Foundation for Software Quality, 15th International Working Conference*, number 5512 in Lecture Notes in Computer Science, pages 74-88. Springer, 2009.
19. Michel Wermelinger, Yijun Yu, and Angela Lozano Rodriguez. Design principles in architectural evolution: a case study. In *Proceedings of the 24th IEEE International Conference on Software Maintenance*, pages 396-405. IEEE, October/Autumn 2008. Pages: 396-405.
20. Yijun Yu, Jan Jurjens, and John Mylopoulos. Traceability for the maintenance of secure software. In *2008 IEEE International Conference on Software Maintenance*, page 297, 2008.
21. Yijun Yu and Michel Wermelinger. Graph-centric tools for understanding the evolution and relationships of software structures. In *2008 15th Working Conference on Reverse Engineering*, page 329, 2008. Pages: 329 - 330.
22. Yiqiao Wang, Sheila A. McIlraith, Yijun Yu, and John Mylopoulos. An automated approach to monitoring and diagnosing requirements. In *22nd IEEE/ACM international conference on Automated software engineering*, November 2007. The paper received the ACM SIGSOFT Distinguished Paper award.

23. Mohammed Salifu, Yijun Yu, and Bashar Nuseibeh. Specifying monitoring and switching problems in context. In *15th IEEE International Requirements Engineering Conference (RE 2007)*, October/Autumn 2007.
24. Alexei Lapouchnian, Yijun Yu, and John Mylopoulos. Requirements-driven design and configuration management of business processes. In *Business process management*, volume 4714/2007 of *Lecture Notes in Computer Science*. Springer, Berlin, September 2007. Published version available from Springerlink.com.
25. Yijun Yu, Jianguo Lu, Juan F. Ramil, and Phil Yuan. Comparing web services with other software components. In *2007 IEEE International Conference on Web Services (ICWS 2007)*, July/Summer 2007. Appears in IEEE International Conference on Web Services 2007 (ISBN 0-7695-2924-0).
26. Alexei Lapouchnian, Yijun Yu, Sotirios Liaskos, and John Mylopoulos. Requirements-driven design of autonomic application software. In *16th IBM Centre for Advanced Studies Conference*, October/Autumn 2006.
27. Sotirios Liaskos, Alexei Lapouchnian, Yijun Yu, Eric Yu, and John Mylopoulos. On goal-based variability acquisition and analysis. In *14th IEEE International Requirements Engineering Conference (RE'06)*, 2006.
28. Yijun Yu, Homayoun Dayani-Fard, John Mylopoulos, and Periklis Andritsos. Reducing build time through precompilations for evolving large software. In *21st IEEE International Conference on Software Maintenance*, September 2005.
29. Yijun Yu, Yiqiao Wang, J. Mylopoulos, S. Liaskos, A. Lapouchnian, and J.C.S. do Prado Leite. Reverse engineering goal models from legacy code. In *13th IEEE International Conference on Requirements Engineering (RE'05)*, September 2005.
30. Julio Cesar Sampaio do Prado Leite, Yijun Yu, Lin Liu, Eric S.K. Yu, and John Mylopoulos. Quality-based software reuse. In *17th International Conference on Advanced Information Systems Engineering (CAiSE'05)*, 2005.
31. Yijun Yu, J.C.S.P. Leite, and J. Mylopoulos. From goals to aspects: Discovering aspects from requirements goal models. In *12th IEEE International Requirements Engineering Conference*, September 2004.

