

RESEARCH INTERESTS

Big Data Analytics	Market Structure Analysis
Business Intelligence & Analytics	Natural Language Processing
Conceptual Data Modeling	Ontology Learning and Knowledge Discovery
Data Mining	Practical Intelligence of IT Professionals
Database Integration	Recommender Systems
Database Reverse Engineering	Semantic Information Retrieval of Web Data
Document Categorization	Social Media Analytics
Domain Knowledge Extraction	Text Mining and Sentiment Analysis
Intelligent Systems Development	

TEACHING INTERESTS

Artificial Intelligence & Machine Learning	Data Warehousing
Big Data Analytics	Information Systems Development
Business Intelligence & Analytics	Information Technology Management
CIO Forum	Social Media Analytics
Database Design	Strategic Planning of Information Technology
Data Mining	Text Mining and Sentiment Analysis

AWARDS AND HONORS

Summer Research Grant, Lindner College of Business, University of Cincinnati, 2015 – 2017

Michael L. Dean Excellence in Classroom Education & Learning Undergraduate Teaching Award, 2014

Dean's List of Teaching Excellence, Spring 2012, Spring 2013, Spring 2014, Spring and Fall 2015, Spring and Fall 2016, Spring 2017

Lindner Research Fellow, Lindner College of Business, University of Cincinnati, 2013 – 2015

Faculty Research Fellow, College of Business, University of Cincinnati, 2004 – 2008

Summer Research Grant, College of Business, University of Cincinnati, 2002 and 2003

Staff Annual Performance Bonus, Nanyang Technological University, 1996, 1997, and 1998

Runner-up of the Doctoral Dissertations Competition, *14th International Conference on Information Systems (ICIS)*, 1993

Doctoral Fellowship, University of Rochester, USA, 1986 – 1991

RESEARCH & DEVELOPMENT GRANTS

Direct Marketing Policy Center, Carl H. Lindner College of Business, 2013: \$4,200

Faculty Development Grants, University of Cincinnati, 1999: \$5,000; 2000: \$4,400; 2002: \$2,300; 2003: \$2,450; 2012: \$2,900

(Total: \$17,050)

Global Competitiveness Grants, College of Business, University of Cincinnati, 1999: \$500; 2000: \$3,700; 2001: \$2,500; 2002: \$2,500; 2003: \$1,500

(Total: \$10,700)

REFEREED JOURNAL ARTICLES

1. Roger H.L. Chiang, Varun Grover, Ting-Peng Liang, and Dongsong Zhang, Guest Editors, Special Issue: Strategic Value of Big Data and Business Analytics, *Journal of Management Information Systems*, Vol. 35, No. 2, June 2018, pp. 383-387.
2. Varun Grover, Roger H.L. Chiang, Ting-Peng Liang, and Dongsong Zhang, "Creating Strategic Business Value from Big Data Analytics: A Research Framework," Special Issue on Strategic Value of Big Data and Business Analytics, *Journal of Management Information Systems*, Vol. 35, No. 2, June 2018, pp. 388-423.
3. Feng Mai, Zhe Shan, Qing Bai, Xin (Shane) Wang, and Roger H.L. Chiang, "How Does Social Media Impact Bitcoin Value? A Test of the Silent Majority Hypothesis," Special Issue on the Fintech Revolution, *Journal of Management Information Systems*, Vol. 35, No. 1, March 2018, pp. 19-52.
4. Ahmed Abbasi, Suprateek Sarker, and Roger H.L. Chiang, "Big Data Research in Information Systems: Toward an Inclusive Research Agenda," Editorial, *Journal of the Association for Information Systems*, Vol. 17, Issue 2, February 2016, pp. i-xxxii.
5. Xin (Shane) Wang, Feng Mai, and Roger H.L. Chiang, "Database Submission - Market Dynamics and User-Generated Content About Tablet Computers," *Marketing Science*, Vol. 33, No. 3, May-June 2014, pp. 449-458.
6. Cecil Chua, Veda C. Storey, and Roger H.L. Chiang, "Deriving Knowledge Representation Guidelines by Analyzing Knowledge Engineer Behavior," *Decision Support Systems*, Vol. 54, No. 1, December 2012, pp. 304-315.
7. Hsinchun Chen, Roger H.L. Chiang, and Veda C. Storey, "Business Intelligence and Analytics: From Big Data to Big Impact," *MIS Quarterly*, Vol. 36, No. 4, December 2012, pp. 1165-1188.
8. Roger H.L. Chiang, Paulo Goes, and Edward A. Stohr, "Business Intelligence and Analytics Education and Program Development: A Unique Opportunity for the Information Systems Discipline," *ACM Transactions on Management Information Systems*, Vol. 3, No. 3, Article 12, October 2012.
9. Cecil Chua, Veda C. Storey, and Roger H.L. Chiang, "Knowledge Representation: A Conceptual Modeling Approach," *Journal of Database Management*, Vol. 23, No. 1, January-March 2012, pp. 1-30.
10. Damien Joseph, Soon Ang, Roger H.L. Chiang, and Sandra A. Slaughter, "Practical Intelligence in IT: Assessing Soft Skills of IT Professionals," *Communications of the ACM*, February 2010, pp. 149-154.
11. Jeffrey Wong, Roger H.L. Chiang, and Alexander McLeod, "A Strategic Management Support Architecture: Integration of the Balanced Scorecard and Enterprise Resource Planning," *International Journal of Business Information Systems*, Vol. 4, No. 5, 2009, pp. 581-596.

12. Cecil Chua, Roger H.L. Chiang, and Veda C. Storey, "Building Customized Search Engines: An Interoperability Architecture," *International Journal of Intelligent Information Technologies*, Vol. 5, No. 3, July-September 2009, pp. 1-27.
13. Myo-Myo Naing, Ee-Peng Lim, and Roger H.L. Chiang, "Extracting Link Chains of Relationship Instances from a Web Site," *Journal of American Society for Information Science and Technology*, Vol. 57, No. 12, October 2006, pp. 1590-1605.
14. Chih-Ping Wei, Roger H.L. Chiang, and Chia-Chen Wu, "Accommodating Individual Categorization Preferences: A Personalized Document Clustering Approach," *Journal of Management Information Systems*, Vol. 23, No. 2, Fall 2006, pp. 175-201.
15. David Kang and Roger H.L. Chiang, "A Systematic Approach in Managing Post-Deployment System Changes," *Communications of the ACM*, Vol. 49, No. 6, June 2006, pp. 91-95.
16. Roger H.L. Chiang, Cecil Chua, and Ee-Peng Lim, "Linear Correlation Discovery in Databases: A Data Mining Approach," *Data and Knowledge Engineering*, Vol. 53, No. 3, June 2005, pp. 311-337.
17. Ee-Peng Lim and Roger H.L. Chiang, "Accommodating Instance Heterogeneities in Database Integration," *Decision Support Systems*, Vol. 38, No. 2, November 2004, pp. 213-231
18. Cecil Chua, Roger H.L. Chiang, and Ee-Peng Lim, "Instance-based Attribute Identification in Database Integration," *International Journal of Very Large Data Bases*, Vol. 13, No. 3, October 2003, pp. 228-243.
19. Yun Zheng, Roger H.L. Chiang, and David Yen, "Enterprise Integration with Advanced Information Technologies: ERP and Data Warehousing," *Information Management and Computer Security*, Vol. 11, No. 3, 2003, pp. 115-122.
20. Cecil Chua, Roger H.L. Chiang and Ee-Peng Lim, "On Conceptual Micro-Object Modeling," *Journal of Database Management*, Vol. 13, No. 3, July-September 2002, pp. 1-16.
21. Cecil Chua, Roger H.L. Chiang, and Ee-Peng Lim, "An Intelligent Middleware for Linear Correlation Discovery," *Decision Support Systems*, Vol. 32, No. 4, March 2002, pp. 313-326.
22. Roger H.L. Chiang, Cecil Chua, and Veda C. Storey, "A Smart Web Query Method for Semantic Retrieval of Web Data," *Data and Knowledge Engineering*, Vol. 38, No. 1, June 2001, pp. 63-84.
23. Ee-Peng Lim and Roger H.L. Chiang, "The Integration of Relationship Instances from Heterogeneous Databases," *Decision Support Systems*, Vol. 29, No. 2, August 2000, pp. 153-176.
24. Roger H.L. Chiang, Ee-Peng Lim, and Veda C. Storey, "A Framework for Acquiring Domain Semantics and Knowledge for Database Integration," *The DATABASE for Advances in Information Systems Journal*, Vol. 31, No. 2, Spring 2000, pp. 46-64.

25. Terence M. Barron, Roger H.L. Chiang, and Veda C. Storey, "A Semiotics Framework for Information Systems Classification and Development," *Decision Support Systems*, Vol. 25, No. 1, February 1999, pp. 1-17.
26. Ee-Peng Lim, Roger H.L. Chiang, and Yinyan Cao, "Tuple Source Relational Model: A Source-Aware Data Model for Multidatabases," *Data & Knowledge Engineering*, Vol. 29, No. 1, January 1999, pp. 83-114.
27. Veda C. Storey, Roger H.L. Chiang, Debabrata Dey, Robert C. Goldstein, and Shankar Sundaresan, "Database Design with Common Sense Business Reasoning and Learning," *ACM Transactions on Database Systems*, Vol. 22, No. 4, December 1997, pp. 471-512.
28. Roger H.L. Chiang, Terence M. Barron, and Veda C. Storey, "A Framework for the Design and Evaluation of Reverse Engineering Methods for Relational Databases," *Data & Knowledge Engineering*, Vol. 21, No. 1, December 1996, pp. 57-77.
29. Roger H.L. Chiang, "A Knowledge-Based System for Performing Reverse Engineering of Relational Databases," *Decision Support Systems*, Vol. 13, No. 3-4, March 1995, pp. 295-312.
30. Roger H.L. Chiang, Terence M. Barron, and Veda C. Storey, "Reverse Engineering of Relational Databases: Extraction of an EER Model From a Relational Database," *Data & Knowledge Engineering*, Vol. 12, No. 2, March 1994, pp. 107-142.
31. Roger H.L. Chiang, Terence M. Barron, and Veda C. Storey, "Data, Knowledge, & Information in Database and Knowledge-Based Systems," *Journal of Database Administration*, Vol. 3, No. 3, Summer 1992, pp. 12-20.

REFEREED CONFERENCE ARTICLES

1. Ting-Peng Liang, Yu-Chia Wang, and Roger H.L. Chiang, "How Online Reviews Affect Sales Performance: An Elaboration Likelihood Perspective," *INFORMS Workshop on Data Science*, October 2019.
2. Feng Mai, Qing Bai, Zhe Shan, Xin (Shane) Wang, and Roger H.L. Chiang, "The Impacts of Social Media on Bitcoin Performance," *International Conference on Information Systems*, December 2015.
3. Xin (Shane) Wang, Roger H.L. Chiang, and Feng Mai, "Mine Consumer-Generated Product Reviews to Automate Market Structure Analysis," *Marketing EDGE Conference*, October 2013.
4. San-Yih Hwang, Roger H.L. Chiang, Yung-Lin Hsiao, and Shanlin Chang, "On Classifying Discussion Threads Using Travel Information Goal-Oriented Model," *2013 Pacific Asia Conference on Information Systems*, June 2013.
5. Maggy Anastasia Suryanto, Ee-Peng Lim, Aixin Sun, and Roger Chiang, "Quality-Aware Collaborative Question Answering: Methods and Evaluation," *Second ACM Conference on Web Search and Data Mining*, February 2009.

6. Maggy Anastasia Suryanto, Ee-Peng Lim, Aixin Sun, and Roger H.L. Chiang, "SLOQUE: Slot-based Query Expansion for Complex Questions," *Workshop on CyberInfrastructure: Information Management in eScience (CIMS)*, November 2007.
7. Veda C. Storey, Roger H.L. Chiang, and Lily Chen, "Ontology Creation: Extraction of Domain Knowledge from Web Documents," *24th International Conference on Conceptual Modeling (ER2005), Lecture Notes in Computer Science*, Springer-Verlag, October 2005.
8. Myo-Myo Naing, Ee-Peng Lim, and Roger H.L. Chiang, "CORE: A Search and Browsing Tool for Semantic Instances of Web Sites," *7th Asia Pacific Web Conference*, March 2005.
9. Cecil Chua, Veda C. Storey, and Roger H.L. Chiang, "A Software Engineering Environment for Search Engine Development," *12th Workshop on Information Technologies and Systems*, December 2002.
10. Roger H.L. Chiang, Cecil Chua, and Veda C. Storey, "A Semantic Information Filter for Web Searches," *Workshop on Information Filtering of the 10th International World Wide Web Conference*, May 2001.
11. Kannan Mohan, Veda C. Storey, and Roger H.L. Chiang, "The Development of Layered Ontologies to Facilitate Database Design," *2001 Southern Association for Information Systems Conference*, March 2001.
12. Uma N.S. Umanath and Roger H.L. Chiang, "An Information Preserving Representation of Relational Schema," *10th Workshop on Information Technologies and Systems*, December 2000.
13. Roger H.L. Chiang, Cecil Chua, and Veda C. Storey, "A Smart Web Query Engine for Semantic Retrieval of Web Data and its Application to E-trading," *5th International Conference on Applications of Natural Language to Information Systems*, June 2000.
14. Cecil Chua, Roger H.L. Chiang, and Ee-Peng Lim, "An Integrated Data Mining System to Automate Discover of Measures of Association," *33rd Hawaii International Conference on System Sciences*, January 2000.
15. Cecil Chua, Roger H.L. Chiang, and Ee-Peng Lim, "Conceptual Data Type Primitives and Attribute Modeling," *9th Workshop on Information Technologies and Systems*, December 1999.
16. Cecil Chua, Roger H.L. Chiang, and Ee-Peng Lim, "Instance-Based Attribute Identification in Database Integration," *8th Workshop on Information Technologies and Systems*, December 1998.
17. Ee-Peng Lim and Roger H.L. Chiang, "A Global Object Model for Accommodating Instance Heterogeneities," *17th International Conference on Conceptual Modeling*, November 1998.
18. Cecil Chua, Roger H.L. Chiang, and Ee-Peng Lim, "A Heuristic Method For Collecting Attribute Group Pairs in Data Mining," *International Workshop on Data Warehousing and*

Data Mining in conjunction with *the 17th International Conference on Conceptual Modeling*, November 1998.

19. Ee-Peng Lim and Roger H.L. Chiang, "Resolving Instance-level Relationship Conflicts in Database Integration," *7th Workshop on Information Technologies and Systems*, December 1997.
20. Roger H.L. Chiang, Terence M. Barron, Veda C. Storey, and Ee-Peng Lim, "A Semiotics Level Framework for Databases: Design, Use and Maintenance," *2nd CAiSE/IFIP8.1 International Workshop on Evaluation of Modeling Methods in Systems Analysis and Design*, June 1997.
21. Ee-Peng Lim, Yinyan Cao, and Roger H.L. Chiang, "Source-aware Multidatabase Query Processing," *International Workshop on Engineering Federated Database Systems*, June 1997.
22. Roger H.L. Chiang, Ee-Peng Lim, and Veda C. Storey, "Framework and Knowledge for Database Integration," *8th International Conference of the Information Resources Management Association*, May 1997.
23. Shailendra C. Palvia, Roger H.L. Chiang, and Prashant C. Palvia, "Classification of Computers and Computing Architectures: From Islands of Automation to Client/Server Architecture," *First Conference of the Association for Information Systems*, August 1995.
24. Roger H.L. Chiang and Terence M. Barron, "Quality Issues in Database Reverse Engineering: An Overview," *1995 IEEE Annual International Engineering Management Conference*, June 1995.
25. Veda C. Storey, Roger H.L. Chiang, Debabrata Dey, Robert C. Goldstein, Arun Sundararajan, and Shankar Sundaresan, "Knowledge Reconciliation for Common Sense Reasoning," *4th Workshop on Information Technologies and Systems*, December 1994.
26. Roger H.L. Chiang, Terence M. Barron, and Veda C. Storey, "Extracting Domain Semantics for Knowledge Discovery in Relational Databases," *Workshop on Knowledge Discovery in Databases, 12th National Conference on Artificial Intelligence*, July 1994.
27. Veda C. Storey, Robert C. Goldstein, Roger H.L. Chiang, and Deb Dey, "A Commonsense Reasoning Facility Based on the Entity-Relationship Model," *12th International Conference on Entity-Relationship Approach*, December 1993.
28. Roger H.L. Chiang, Terence M. Barron, and Veda C. Storey, "Performance Evaluation of Reverse Engineering Relational Databases into Extended Entity-Relationship Models," *12th International Conference on Entity-Relationship Approach*, December 1993.
29. Roger H.L. Chiang, Terence M. Barron, and Veda C. Storey, "Data, Knowledge, & Information in Database and Knowledge-Based Systems," *3rd International Conference of the Information Resources Management Association*, May 1992.

30. Roger H.L. Chiang, "Extraction of Conceptual Models from Relational Databases," *First Workshop on Information Technologies and Systems*, December 1991.

BOOKS

1. *Systems Analysis and Design: People, Processes, and Projects*, (Eds.) Advances of Management Information Systems Book Series, M.E. Sharpe, Volume 18, 2011.
2. *Systems Analysis and Design: Techniques, Methodologies, Approaches, and Architectures*, (Eds.) Advances of Management Information Systems Book Series, M.E. Sharpe, Volume 15, 2009.
3. *Advances in Conceptual Modeling – Theory and Practice*, Lecture Notes in Computer Science, Springer, Vol. 4231, 2006.

BOOK CHAPTER

Cecil Chua, Roger H.L. Chiang, and Veda C. Storey, "Improving Domain Searches through Customized Search Engines," *Intelligent, Adaptive and Reasoning Technologies: New Developments and Applications*, Vijayan Sugumaran (Ed.), IGI Global, 2011, pp. 1-22.

WORKING PAPER

- Feng Mai, Xin (Shane) Wang, Joe Naoum-Sawaya, and Roger H.L. Chiang, "What Makes You Different? Review Summarization with Brand Differentiation" submission to *Journal of Management Information Systems*
- Chih-Ping Wei and Roger H.L. Chiang, "Social Media Analytics to Predict Consumer-Based Brand Equity"

PROFESSIONAL ACTIVITIES

Senior Editor

Decision Sciences, 2015 – 2016

Journal of the Association for Information Systems, 2015 – 2020

The DATA BASE for Advances in Information Systems, 2004 – 2014

Associate Editor

Information & Management, 2012 – 2017

International Journal of Intelligent Systems in Accounting, Finance and Management, 2000 – 2006

Journal of Database Management, 2000 – 2020

MIS Quarterly, 2006 – 2009

Guest Editor

Special Issue on Data Science for Social Good for *Journal of the Association for Information Systems*, Forthcoming 2022

Special Issue on Strategic Value of Big Data and Business Analytics for *Journal of Management Information Systems*, 35:2, June 2018

Special Issue on Business Intelligence Research for *Asia Pacific Journal of AIS*, December 2014

Special Issue, 2011 Best Papers from the Workshop on Information Technologies and Systems, *ACM Transactions on Management Information Systems*, 2012

Special Issue on Business Intelligence Research for *MIS Quarterly*, 36:4, December 2012
Special Issue on Web Information and Data Management for *Data and Knowledge Engineering*, 54:3, September 2005
Special Issue on Web Information and Data Management for *Data and Knowledge Engineering*, 49:2, 2004

Editorial Review Board

International Journal of Intelligent Information Technologies, 2006 –
Journal of the Association for Information Systems, Special Issue on Smart Service, Smart Business, Smart Research, 2018
Journal of the Association for Information Systems, 2002 – 2007, 2013 – 2014
MIS Quarterly, Special Issue on Managing AI, 2019

Program Chair

Taiwan Summer Workshop on Information Management, 2013 – 2014
21st Workshop on Information Technologies and Systems, 2011
Workshop on Conceptual Modeling of Service-Oriented Software Systems, 2006
AIS SIGSAND Symposium on Research in Systems Analysis and Design, 2005 – 2006, 2014
ACM International Workshop on Web Information and Data Management, 2001 – 2003
22nd International Conference on Information Systems, Research in Progress, 2001

Track Chair

41st International Conference on Information Systems, Professional Development Workshops Track, 2020
18th Pacific Asia Conference on Information Systems, Business Intelligence and Big Data Analytics Track, 2014
17th American Conference on Information Systems, Design Science Track, 2011
14th Pacific Asia Conference on Information Systems, IT/IS and Design Science Track, 2010
30th International Conference on Information Systems, Web-based Information Systems & Applications Track, 2009

Advisory Committee

Taiwan Summer Workshop on Information Management, 2015 – 2016
Workshop on Information Technologies and Systems, 2010 – 2013

Program Committee

ACM International Workshop on Web Information and Data Management, 2004
CAiSE/IFIP8.1 International Workshop on Evaluation of Modeling Methods in Systems Analysis and Design, 1998 – 2005
China Summer Workshop on Information Management, 2009 – 2019
Conference on Information Systems and Technology, 2003, 2010
IEEE International Conference on Service Computing, 2006
International Conference on Applications of Natural Language to Information Systems, 2006 – 2013
International Conference on Conceptual Modeling, 1997 – 2007, 2009, 2011 – 2019
International Conference on Design Science Research in Information Systems and Technology, 2011 – 2016
International Conference on Electronic Commerce, 2009
International Conference on Information Systems, 1998, 2000, 2008, 2010 – 2019

International Conference on Information and Knowledge Management, 2002 – 2003
International Conference on Knowledge Management and Information Sharing, 2014
International Conference on Model-Driven Engineering and Software Development, 2013
International Joint Conference on Artificial Intelligence, Special Track on AI & The Web,
 2016
International Symposium on String Processing and Information Retrieval, 2002 – 2003
International Workshop on E-Business, 2002 – 2007
Pacific Asia Conference on Information Systems, 2007 – 2008, 2013 – 2014
Pacific Asia Conference on Information Systems, Best Paper Selection Committee, 2008
Pacific Asia Conference on Knowledge Discovery and Data Mining, 1997, 2006
Workshop on Information Technologies and Systems, 1993, 1996 – 2002, 2004 – 2006, 2009 –
 2019
Wuhan International Conference on E-Business, 2008 – 2014

Journal Reviewer

<i>ACM Transactions on Information Systems</i>	<i>Information Sciences</i>
<i>Communications of the ACM</i>	<i>Information Systems Research</i>
<i>Data & Knowledge Engineering</i>	<i>Information Technology & Management</i>
<i>Decision Sciences</i>	<i>International Journal of Electronic Commerce</i>
<i>Decision Support Systems</i>	<i>Journal of Computer Information Systems</i>
<i>European Journal of Information Systems</i>	<i>Journal of Management Information Systems</i>
<i>IEEE Transactions on Intelligent Transportation</i>	<i>Management Science</i>
<i>Systems</i>	<i>Production and Operation Management</i>
<i>IEEE Transactions on Professional Communication</i>	<i>Very Large Data Base</i>
<i>INFORM Journal of Computing</i>	

Research Grant Examiner

Canada Excellence Research Chairs (CERC), Midterm Review Panel, 2020
 Excellence Center for Homeland Security Quantitative Analysis (CHSQA),
 Department of Homeland Security Office of University Programs, 2017
 Maryland Industrial Partnership (MIPS), University of Maryland, Maryland, USA, 2001
 National Science Foundation (NSF), USA, 2002 – 2003
 Research Grants Council (RGC), Hong Kong, 2009 – 2019
 Science Foundation Ireland, 2018
 Swiss National Science Foundation, 2016, 2018

PhD Dissertation Advisor

Cecil Chua, “Database as a Contributing Discipline to Information Systems,” Robinson
 Business School, Georgia State University (Runner-up of the Doctoral Dissertations
 Competition, 25th *International Conference on Information Systems*, 2004)

PhD Dissertation Committee Member

Dippy Aggarwal, “A Provenance-based Approach Towards Impact Assessment of Schema
 Changes in a Data Warehouse Environment,” Department of Electrical & Computer
 Engineering, College of Engineering, University of Cincinnati, (successfully defended,
 April 2017)
 Feng Mai, “Essays in Business Analytics,” Department of Operations, Business Analytics, and
 Information Systems, Carl H. Lindner College of Business, University of Cincinnati
 (successfully defended, June 2015)

- Xin (Shane) Wang, “Bounded Multiattribute Utility in Behavior Decision Research: Theory, Estimation and Experimental Tests,” Department of Marketing, Carl H. Linder College of Business, University of Cincinnati, (successfully defended, July 2014)
- Prudhvi Janga, “Integration of Heterogeneous Web-based Information into a Uniform Web-based Presentation,” Department of Electrical & Computer Engineering, College of Engineering, University of Cincinnati (successfully defended, March 2014)
- Bartley Richardson, “XML Query Processing and Optimization,” Department of Computer Science and Engineering, College of Engineering, University of Cincinnati (successfully defended, November 2009)
- Barrington R. St. A. Young, “Algorithms for Secure Data Mining with Distributed Databases,” Department of Computer Science and Engineering, College of Engineering, University of Cincinnati (successfully defended, May 2007)
- Haiyun Bian, “Lattice Based Discovery of Embedded Structures in Data,” Department of Computer Science and Engineering, College of Engineering, University of Cincinnati (successfully defended, August 2006)

Master Thesis Advisor

- Xuejiao Diao, “Sentiment Analysis on Amazon Tablet Computer Reviews,” Business Analytics Master Thesis, Department of Operations, Business Analytics, and Information Systems, Carl H. Lindner College of Business, University of Cincinnati, (successfully defended, July 2014)
- Yung-Lin Hsiao, “Travel Article Classification Based on Consumer Information Search Process Model,” Department of Information Management, College of Management, National Sun Yat-Sen University, Taiwan (successfully defended, July 2011)
- Poling Chen, “Travel Article Recommendation Based on Text Analysis of Reviews,” Department of Information Management, College of Management, National Sun Yat-Sen University, Taiwan (successfully defended, July 2012)

Keynote Presentation

- Big Data Analytics Research in Information Systems, *13th INFORMS Workshop on Data Mining and Decision Analytics*, Phoenix, Arizona, November 3, 2018
- Academic Career and Personal Life: The Balance Walk, *Workshop of Information Systems Junior Faculty Career Development*, Department of Information Management, National Taiwan University, Taiwan, May 25, 2018
- Big Data and Analytics Research in Information Systems, *Workshop on Big Data Analytics and Intelligent Innovation*, National Sun Yat-Sen University, Taiwan, March 2, 2018

Scholarly Visits and Presentations

- Seminar Speaker, “Big Data and Analytics: From the Perspective of Information Systems,” Department of Political Science, National Taiwan University, Taiwan, May 15, 2018
- Seminar Speaker, “Big Data and Analytics Research in Information Systems,” Institute of Service Science, National Tsing Hua University, Taiwan, April 17, 2018
- Seminar Speaker, “Big Data and Analytics Research in Information Systems,” Department of Information Management, National Chung Cheng University, Taiwan, March 29, 2018
- Seminar Speaker, “Business Intelligence and Analytics,” *Back to Business*, Carl H. Lindner College of Business, University of Cincinnati, August 11, 2017
- Guest Speaker, “Big Data Research in Information Systems: Toward an Inclusive Research Agenda,” Information Management Research Centre, Nanyang Technological University, July 27, 2017

Seminar Speaker, “Business Intelligence and Analytics,” *Back to Business*, Carl H. Lindner College of Business, University of Cincinnati, October 29, 2016

Visiting Scholar, Hidden Dragons Program, Institute of International Management, National Cheng Kung University, Taiwan, July 4-7, 2016

Guest Speaker, “Big Data Research in Information Systems: Toward an Inclusive Research Agenda,” Informatics Showcase, University of Iowa, April 18, 2016

Seminar Speaker, “Business Intelligence and Analytics,” *Back to Business*, Carl H. Lindner College of Business, University of Cincinnati, November 1, 2014

Seminar Speaker, “Business Intelligence and Analytics,” *Back to Business*, Carl H. Lindner College of Business, University of Cincinnati, April 26, 2013

Seminar Speaker, “Business Intelligence and Analytics,” *Back to Business*, Carl H. Lindner College of Business, University of Cincinnati, July 20, 2012

Faculty Advisor, *Summer Research Workshop*, Department of Information Systems, City University of Hong Kong, July 4 – 6, 2012

Guest Speaker, “Business Intelligence and Analytics Education and Program Development,” *Workshop of MIS and Big Data Analytics*, College of Management, National Taiwan University, Taiwan, July 3, 2012

Panelist, “Business Intelligence and Analytics – Education and Program Development,” *21st Workshop on Information Technologies and Systems*, Shanghai, China, December 4, 2011

Visiting Scholar, Department of Information Management, College of Management, National Sun Yat-Sen University, Taiwan, August 15 – September 9, 2011

Panelist, “What Exactly Does the BI/Analytics Wave Mean for Academics?!” *BI Congress II*, St. Louis, Missouri, December 12, 2010

Guest Speaker, “Perspectives of Business Intelligence Education,” *Pre-PACIS Workshop on Business Intelligence and Analytics*, Taipei, Taiwan, July 9, 2010

Guest Speaker, “Recommendation Using Consumer-Generated Product Reviews,” *Enterprise Risk and Security Management Workshop*, College of Management, National Taiwan University, Taiwan, September 21, 2009

Guest Speaker, “Cluster-based Collaborative Filtering Recommendation” and “IS Research and Paper Writing,” Series Lectures of Department of Management Information, Antai College of Economics & Management, Shanghai Jiao Tong University, China, June 19, 2009

Guest Speaker, “Cluster-based Collaborative Filtering Recommendation,” PhD Seminar, Department of Information Management, College of Management, National Taiwan University, Taiwan, October 24, 2008

Guest Speaker, “Cluster-based Collaborative Filtering Recommendation,” Department of Accounting & Information Systems, School of Business, University of Kansas, September 5, 2008

Guest Speaker, *IS PhD Research Symposium*, Department of Information Systems, City University of Hong Kong, July 10 – 11, 2008

Faculty Advisor, Doctoral Consortium, *12th Pacific Asia Conference on Information Systems*, Suzhou, China, July 3 – 4, 2008

Visiting Scholar, Department of Information Management, College of Management, National Sun Yat-Sen University, Taiwan, August 15 – September 16, 2003

Panelist, “Knowledge Management and Knowledge Economy,” 14th Annual Decision and Information Sciences (DIS) Workshop, Taiwan, July 2001

Panel Chair, “Emerging Knowledge Management Technologies and Applications in Organizations,” *8th Workshop on Information Technologies and Systems*, December 1998.

Panel Chair, “Are Existing Systems Analysis and Design Methods Obsolete for Web-based Application?” *7th Workshop on Information Technologies and Systems*, December 1997.

Consultation

Wiki Portal, Live Well Collaborative, 2007
Executive seminar on data warehousing and data mining, Abacus, Singapore, 1998
Data model evaluation, Citibank N.A. Singapore, 1996

ADMINISTRATIVE ACTIVITIES

University of Cincinnati

Internal Reviewer, Graduate Program Review of Mechanical Engineering,
College of Engineering and Applied Science, September 2017
Internal Reviewer, Graduate Program Review of Computer Science and Engineering,
College of Engineering and Applied Science, November 2015
External Committee Member, Analytics Faculty Search Committee, Department of Electrical
Engineering and Computing Systems, College of Engineering and Applied Science, 2015

College of Business, University of Cincinnati

Associate Dean Search Committee, 2001
Cincinnati Center for Management and Executive Development Committee, 2001
Decanal Search Committee, 2004 – 2005
Decanal Assessment Committee, 2004, 2009
Master Program Redesign Task Force, 2003
Michael Dean EXCEL Undergraduate Teaching Award Selection Committee, 2015
PhD Committee, 2000
Chair, Reappointment, Promotion and Tenure Committee, 2010
Reappointment, Promotion and Tenure Committee, 2002 – 2005, 2007 – 2009, 2011, 2017 –
2020
Research Excellence Committee, 2012, 2015 – 2017
Undergraduate Program Committee, 2002 – 2004
Undergraduate Program Team, 2012 – 2014

Department of Operations, Business Analytics, and Information Systems, College of Business, University of Cincinnati

Chair, IS Faculty Recruitment Committee, 2014
IS Faculty Recruitment Committee, 2012, 2013, 2015 – 2016
Merit Appeal Committee, 2015
Chair, Program Review Committee of Master of Science in Information Systems, 2015
Co-Chair, Reappointment, Promotion and Tenure Committee, 2015 – 2017

Information Systems Department, College of Business, University of Cincinnati

Faculty Recruitment Committee, 1999, 2000, 2002 – 2004, 2011
Coordinator, IS Distinguished Speaker Seminar, 2001 – 2003
IS Master Program Admission Committee, 2008 – 2011
Co-Chair, Reappointment, Promotion and Tenure Committee, 2005 – 2007
Coordinator, RIPOFF Seminar 2000 – 2002

Nanyang Technological University

Chair, Inter-School Games Committee, 1998
Deputy Chair, Inter-School Games Committee, 1997
Inter-School Games Committee, 1995 – 1998

Nanyang Business School, Nanyang Technological University

Organizer, Working papers series, Information Management Research Centre, 1996 – 1998

Coordinator, Research workshops, Information Management Research Centre, 1995 – 1997

Supervisor, Cecil Chua (Master by Research), “An Integrated Expert System for
Semi-Automated Linear Correlation Discovery in Databases,” 1997 – 1999

Supervisor, Undergraduate Academic Research Projects, 1994 – 1998

University of Rochester

President, Chinese Graduate Student Association, 1989 – 1990