

Curriculum Vitae
JINWEI CAO, PH.D.

Associate Professor of Management Information Systems
Department of Accounting and Management Information Systems
University of Delaware, Newark, DE 19716

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EDUCATION

2005	Ph.D.	University of Arizona Management Information Systems, Minor in Electrical and Computer Engineering
2000	M.S.	Beijing Broadcasting Institute Multimedia Technology
1998	B.S.	Beijing Broadcasting Institute Electrical Engineering with Honors

RESEARCH INTERESTS

Social Computing
Knowledge Management
Human Computer Interaction
Technology Mediated Learning
Information Privacy and Security

PROFESSIONAL HISTORY

2011 – Present	Associate Professor of Management Information Systems University of Delaware
2005 – 2011	Assistant Professor of Management Information Systems University of Delaware
2002 – 2004	Instructor of Management Information Systems University of Arizona

2001 – 2003	Graduate Teaching Assistant Management Information Systems Department, University of Arizona
1998 – 2000	Consultant Matsushita Electric Industrial Co., Ltd. (Panasonic) Beijing Office, Beijing, China
1996 – 1997	Consumer Research Interviewer All China Strategic Research (ACSR), Beijing, China
1997	Technical Assistant Central Control Room Chinese Central Television Station (the biggest TV Station in China), Beijing, China

PUBLICATIONS

ACADEMIC PUBLICATIONS – BOOK CHAPTER

1. **Cao, J.** and Zhang, D. (2006). Knowledge Management Technologies for E-learning: Semantic Web and Others. In M. D., Lytras (Eds.), *Intelligent Learning Infrastructures in Knowledge Intensive Organizations: A Semantic Web Perspective*. Athens, Greek: Idea Group Publishing. pp. 57-80.

ACADEMIC PUBLICATIONS – REFEREED JOURNAL ARTICLES

1. Wang, Z., Wang, N., **Cao, J.**, and Ye, X. (2016) The Impact of Intellectual Capital -Knowledge Management Strategy Fit on Firm Performance. *Management Decision*. 54(8), pp. 1861-1885.
2. Wang, Z., Sharma, P. N., and **Cao, J.** (2016) From Knowledge Sharing to Firm Performance: A Predictive Model Comparison. *Journal of Business Research*. 69(10), pp. 4650-4658.
3. **Cao, J.**, Basoglu, A., Sheng, H., and Lowry, P. (2015) A Systematic Review of Social Networks Research in Information Systems: Building a Foundation for Exciting Future Research. *Communications of the Association for Information Systems*. Volume 36, Article 37, pp. 727-758.
4. Lowry, P., **Cao, J.**, and Everard, A. (2011) Privacy Concerns versus Desire for Interpersonal Awareness Driving the Use of Self-Disclosure Technologies: The Case of Instant Messaging in Two Cultures. *Journal of Management Information Systems (JMIS)*. 27(4), pp.163-200.
5. Warmbrodt, J., Sheng, H., Hall, R., and **Cao, J.** Understanding the Video Bloggers' Community. (2010) *International Journal of Virtual Communities and Social Networking (IJVCSN)*. 2(2), pp. 43-59.
6. **Cao, J.** and Crews, J. M. (2009) Impacts of Social Presence on User Interaction with Learning Support Systems. *International Journal of Knowledge and Learning (IJKL)*. 5(2), pp. 172-192.
7. Li, J., Zhang, P., and **Cao, J.** (2009). External Concept Support for Group Support Systems Through Web Mining. *Journal of the American Society for Information Science and Technology (JASIST)*. 60(5), pp. 1057-1070.
8. Chau, M., Xu, J., **Cao, J.**, Lam, P., and Shiu, B. (2009) A Blog Mining Framework. *IEEE IT Professional*. 11(1), pp.36-41.
9. **Cao, J.**, Crews, J. M., Lin, M., Burgoon, J. K., and Nunamaker, J. F. Jr. (2008) An Empirical Investigation of Virtual Interaction in Supporting Learning. *The DATA BASE for Advances in Information Systems (DATA BASE)*. 39(3), pp. 51-68.

10. **Cao, J.** and Everard, A. (2008) User Attitude towards Instant Messaging: The Effect of Espoused National Culture Values on Awareness and Privacy. *Journal of Global Information Technology Management (JGITM)*. 11(2), pp. 30-57.
11. George, J. F., Biros, D. P., Burgoon, J. K., Nunamaker, J. F. Jr., Crews, J. M., **Cao, J.**, Marett, K., Lin, M., Adkins, M., and Kruse, J. (2008) The Role of E-Training in Protecting Information Assets Against Deception Attacks. *Management Information Systems Quarterly Executive (MISQE)*. 7(2), pp. 85-97.
12. Crews, J. M., **Cao, J.**, Lin, M., Burgoon, J. K., and Nunamaker, J. F. Jr. (2007) A Comparison of Instructor-Led vs. Web-Based Training for Deception Detection. *Journal of Science, Technology, Engineering, and Math (STEM) Education: Innovations and Research (JSTEM)*. 8.
13. **Cao, J.**, Crews, J. M., Lin, M., Deokar, A., Nunamaker, J. F. Jr., and Burgoon, J. K. (2006). Interactions Between System Evaluation and Theory Testing: A Demonstration of the Power of a Multifaceted Approach to Information Systems Research. *Journal of Management Information Systems (JMIS)*. 22(4), pp. 207-235.
14. Lin, M., Chau, M., **Cao, J.**, and Nunamaker, J. F. Jr. (2005). Automated Video Segmentation for Lecture Videos: A Linguistics-Based Approach. *The International Journal of Technology and Human Interaction (IJTHI)*. 1(2), pp. 27-45.

ACADEMIC PUBLICATIONS – WORKING MANUSCRIPTS

1. **Cao, J.**, Wang, Z., and Ye, X. (2022) Effects of Supervisors' Technology-Mediated Interruption Behavior on Their Own Wellbeing and Performance – The Interrupters' Perspective. Under review at the *Information Systems Journal (ISJ)*.
2. Wang, Z., **Cao, J.**, and Ye, X. (2022) Power, Control, Interruptions and Work-Life Balance – Looking at Supervisors' Technology-Mediated Interruption Behavior from the Interrupters' Perspective. Preparing for submission to *Information Technology & People*.
3. **Cao, J.**, Wang, Q. (2022) Game-based Learning in Metaverse – the Story of Roblox. Preparing for submission to a journal.

ACADEMIC PUBLICATIONS – REFEREED CONFERENCE PROCEEDINGS

1. **Cao, J.**, Wang, Z., and Ye, X. (2021). Effects of Supervisors' Technology-Mediated Interruption Behavior on Their Work-Life Balance. *Proceedings of the Eighth Annual Workshop on HCI Research in MIS*, Phoenix, AZ.
2. Cao, J. (2016) Using Data in Movie Industry: Current Research and Future Directions. *SIGBPS 2016 Workshop on Business Processes and Services*, Dublin, Ireland, 2016.
3. Wang, M., **Cao, J.**, and Guo, W. (2016) What Motivates Online Customer Review Behaviors? A Framework Combining Customer-driven, Vendor-driven, and Website-driven Motivations. *The Twenty-second Americas Conference on Information Systems (AMCIS)*, San Diego, 2016.
4. Wang, Z. and **Cao, J.** (2015) Impact of Intellectual Capital on Firm Performance: the Influence of Innovation Capability and Environmental Dynamism. *The Twenty-first Americas Conference on Information Systems (AMCIS)*, Puerto Rico, 2015.
5. Li, J., Liu, M., and **Cao, J.** (2015). Why Do Users Click On Product Images? The Effect of Perceived Arousal. *The 9th China Summer Workshop on Information Management (CSWIM'15)*, Hefei, China, 2015.
6. **Cao, J.** and Zhang, P. (2014). A Framework for Designing An Intelligent e-Health Management System. *The 8th China Summer Workshop on Information Management (CSWIM'14)*, Chengdu, China.
7. **Cao, J.** (2013). Data-driven Decision Making in Healthcare. *The 7th China Summer Workshop on Information Management (CSWIM'13)*, Tianjin, China.
8. Warmbrodt, J., Sheng, H., Hall, R., and **Cao, J.** (2009). An Exploratory study of the Video Bloggers' Community. *Proceedings of the Eighth Annual Workshop on HCI Research in MIS*, Phoenix, AZ.
9. **Cao, J.**, Knotts, T., Xu, J., and Chau, M. (2009). Word of Mouth Marketing through Online Social Networks. *Proceedings of the 15th Americas Conference on Information Systems (AMCIS 2009)*, San Francisco, California.
10. Crews, J. M. and **Cao, J.** (2008). Design Principles for Computer Assisted Instruction (CAI). *The Second China Summer Workshop on Information Management (CSWIM'08)*, Kunming, China.
11. **Cao, J.** and Fang, E. (2007) Aligning Customer Strategies and IT Infrastructure for CRM Effectiveness. *The 6th Workshop on e-Business (Web 2007)*, Montreal, Quebec, Canada.
12. **Cao, J.** and Everard, A. (2007) Influence of Culture on Attitude towards Instant Messaging: Balance between Awareness and Privacy. *HCI in MIS Sessions at HCI International 2007 (HCII 2007)*, Beijing, China.

13. **Cao, J.** and Crews, J. M. (2007). Interactions in E-Learning: Impacts of Social Presence. *The First China Summer Workshop on Information Management (CSWIM'07)*, Shanghai, China.
14. Lin, M., **Cao, J.**, and Nunamaker, J. F. Jr. (2006) Learning By Browsing: a Web-based Multimedia Browsing System For Learning. *The 39th Annual Hawaii International Conference on System Sciences (HICSS 2006)*, Kauai, Hawaii.
15. **Cao, J.**, Crews, J. M., Lin, M., Burgoon, J. K., and Nunamaker, J. F. Jr. (2005). Virtual Interaction for Effective E-learning. *The 2005 International Conference on Information Systems (ICIS 2005)*, Las Vegas, NV.
16. **Cao, J.**, Roussinov, D., Robles-Flores, J. A., and Nunamaker, J. F. Jr. (2005). Automated Question Answering From Lecture Videos: NLP vs. Pattern Matching. *The 38th Annual Hawaii International Conference on System Sciences (HICSS 2005)*, Big Island, Hawaii.
17. **Cao, J.**, Lin, M., Crews, J. M., Deokar, A., Nunamaker, J. F. Jr., and Burgoon, J. K. (2004). The Interaction of Research Methods for System Evaluation and Theory Testing: A New Vision of the Benefits of Multi-Methodological Information Systems Research. *The 2004 International Conference on Information Systems (ICIS 2004)*, Washington, D.C.
18. **Cao, J.**, Lin, M., Deokar, A., Burgoon, J. K., Crews, J. M., and Adkins, M. (2004). Computer-based Training for Deception Detection: What Users Want. *Proceedings of the second NSF/NIJ Symposium on Intelligence and Security Informatics (ISI 2004)*, Tucson, AZ.
19. **Cao, J.** and Nunamaker, J. F. Jr. (2004). Question Answering On Lecture Videos: A Multifaceted Approach. *Proceedings of the Fourth ACM/IEEE-CS Joint Conference on Digital Libraries (JCDL 2004)*, Tucson, AZ.
20. **Cao, J.**, Crews, J. M., Nunamaker, J. F. Jr., Burgoon, J. K., and Lin, M. (2004). User Experience with Agent99 Trainer: A Usability Study. *Proceedings of 37th Annual Hawaii International Conference on System Sciences (HICSS 2004)*, Big Island, Hawaii.
21. **Cao, J.**, Zhang, D., McNeill, K. M., and Nunamaker, J. F. Jr. (2004). An Overview of Network-Aware Applications for Mobile Multimedia Delivery. *Proceedings of 37th Annual Hawaii International Conference on System Sciences (HICSS 2004)*, Big Island, Hawaii.
22. George, J. F., Maret, K., Burgoon, J. K., Crews, J. M., **Cao, J.**, Lin, M., and Biros, D. P. (2004). Training to Detect Deception: An Experimental Investigation. *Proceedings of 37th Annual Hawaii International Conference on System Sciences (HICSS 2004)*, Big Island, Hawaii.
Nominated for best paper award.
23. **Cao, J.**, Crews, J. M., Lin, M., Burgoon, J. K., and Nunamaker, J. F. Jr. (2003). Designing Agent99 Trainer: A Learner-Centered, Web-Based Training System for Deception Detection. *Proceedings of the first NSF/NIJ Symposium on Intelligence and Security Informatics (ISI 2003)*, Tucson, AZ.
24. **Cao, J.**, Crews, J. M., Lin, M., Burgoon, J. K., and Nunamaker, J. F. Jr. (2003). Can People Be Trained to Better Detect Deception? Instructor-Led vs. Web-Based Training. *Proceedings of the Ninth Americas Conference on Information Systems (AMCIS 2003)*, Tampa, Florida. **Nominated for best paper award.**
25. Lin, M., Crews, J. M., **Cao, J.**, Nunamaker, J. F. Jr., and Burgoon, J. K. (2003). AGENT99 Trainer: Designing a Web-Based Multimedia Training System for Deception Detection Knowledge Transfer. *Proceedings of the Ninth Americas Conference on Information Systems (AMCIS 2003)*, Tampa, Florida.
26. **Cao, J.** and Zhang, D. (2001). An Intelligent Learning Assistant in Multimedia-based Interactive E-Learning. *Proceedings of the Seventh Americas Conference on Information Systems (AMCIS 2001)*, Boston, Massachusetts.

INVITED PRESENTATIONS

1. "Principles for Designing Computer Assisted Instruction (CAI) to Support Learners." Presented at the Workshop for Interested Authors of Decision Sciences Journal of Innovative Education, Baltimore, MD, November 2008.
2. "Interactions between System Evaluation and Theory Testing: A Demonstration of the Power of a Multifaceted Approach to Information Systems Research." Invited talk at Shanghai Jiaotong University, June 2008.
3. "Influence of Culture on Attitude towards and Use of Instant Messaging: Balance among Awareness, Privacy, and Security." Co-Presenter, MIS Research Brown Bag Session, Department of Accounting and MIS, University of Delaware, December 2006.

4. "Segmentation of Lecture Videos Based on Text: A Method Combining Multiple Linguistic Features," Presenter, The 37th Annual Hawaii International Conference on System Sciences (HICSS 2004), Big Island, Hawaii, January 2004.
5. "User Experience with AGENT99 Trainer: A Web-based Multimedia Training System for Deception Detection," Co-Presenter, Poster Session, Graduate & Professional Student Council Student Showcase, University of Arizona, November 2003.
6. "AGENT99 Trainer: A Web-based Multimedia Training System for Deception Detection," Co-Presenter, Poster Session, Graduate & Professional Student Council Student Showcase, University of Arizona, November 2002.
7. "AGENT99: Training to Detect Deception," Poster Session, Learning Technology Showcase, University of Arizona, May 2002.

AWARDS AND HONORS

Nominee for University of Delaware's University-wide Teaching Award (2015, 2008)
Faculty Excellence in Research Award – Department of Accounting and MIS (2011)
Nominee for Lerner College Outstanding Scholar Award (2010)
Lester W. Chadwick Excellence in Teaching Award - Department of Accounting & MIS (2009)
University of Delaware General University Research Grant (2006)
Nominee for Eller College Teaching Award (Spring 2005)
AMCIS Doctoral Consortium (2004)
Graduate In-state Tuition Scholarship, the University of Arizona (2004 – 2005)
Nominee for The University of Arizona Foundation Outstanding Graduate Teaching Assistant Award (2004)
Graduate and Professional Student Travel Grant, University of Arizona (2004)
Graduate Assistantship and Tuition Waiver, University of Arizona (2000 - 2005)
Research Award offered by The State Administration of Radio Film and Television in China (2001)
Second Prize (project: Intelligent Set-top Box PCI Bus Technology in Embedded Environment)
Third Prize (project: Design of an Intelligent Set-top Box based on PCI Bus)
Graduate Fellowship, Beijing Broadcasting Institute (1998-2000)
Triple Station Scholarship (the highest honor in Beijing Broadcasting Institute sponsored by Chinese Central Television Station (CCTV), China Radio International (CRI) and the Chinese Central Radio Station (CCRS)) (1994-1998)

TEACHING

ACCT 604 Database Design and Implementation (Fall 2020 and 2021, Spring 2021; online MBA course)
MISY 261 Business Information Systems (Fall 2012 to 2013; undergraduate level course)
ACCT 302 Accounting Information Systems (Fall 2010; undergraduate level course)
ACCT 604/804 Database Design and Implementation (Fall 2005 to 2009, Fall 2015 to 2021; graduate level course)
MISY 330 Database Design and Implementation (Spring 2006 and Fall 2007 to 2009; undergraduate level course)
CISC 250 Business Telecommunication Networks (Spring 2007 to 2019; undergraduate level course)
MIS 307 Business Data Communications (Spring 2004; undergraduate level course)
MIS 362 Networking for Business Managers (Summer 2002 and 2003; MIS Summer Certificate Program course for non-MIS majors)
MIS 307 Business Data Communications (Spring 2002 - Fall 2003)
MIS 611B Research Methods (Fall 2001)

PROFESSIONAL SERVICE

External Service – Conference and Workshop Leadership

Associate Editor for the International Conference on Information Systems (ICIS), 2020 & 2016.
 VP of Sponsorship, AIS Special Interest Group for Human Computer Interaction (SIGHCI), 2015-2021.
 Program Committee Member of the China Summer Workshop on Information Management (CSWIM), 2007-2019.
 Minitrack co-chair of *Human Computer Interaction in e-Health Systems* minitrack, the Americas Conference on Information Systems (AMCIS), 2015.
 Minitrack co-chair of *Design, Evaluation, and Implications of Social Networking Applications* minitrack, the Americas Conference on Information Systems (AMCIS), 2010-2013.
 Associate Editor of the Knowledge Management and Business Intelligence track, the International Conference of Information Systems (ICIS), Shanghai, China. 2011.
 Track chair of *Social Computing and e-Business* track, the 10th International Conference on E-Business (ICEB), Shanghai, China. 2010.
 Program Committee Member of the Nineteenth Annual Workshop on Information Technologies and Systems (WITS'09), Phoenix, AZ. 2009.
 Program Committee Member of the International Conference on Electronic Commerce (ICEC 2009), Taipei, China. 2009.
 Assistant Program Committee Member of the 2005 Information Resources Management Association (IRMA) International Conference, San Diego, California. 2005.

External Service – Peer Review Work

Journal of Management Information Systems (JMIS)
 Information Systems Research (ISR)
 Communications of the ACM (CACM)
 Decision Support Systems (DSS)
 Journal of American Society for Information Science and Technology (JASIST)
 IEEE Transactions on Systems, Man, and Cybernetics (IEEE-TCYB)
 IEEE Transactions on Intelligent Transportation Systems (IEEE-ITS)
 ACM Transactions on Information Systems (ACM-TIS)
 International Journal of Human-Computer Studies (IJHCS)
 European Journal of Information Systems (EJIS)
 Information and Management (I&M)
 International Conference on Information Systems (ICIS)
 Americas Conference on Information Systems (AMCIS)
 Hawaii International Conference on System Sciences (HICSS)
 European Conference on Information Systems (ECIS)
 Workshop on Information Technologies and Systems (WITS)
 ACM Conference of Computer Supported Cooperative Work (CSCW)
 International Conference on Human-Computer Interaction (HCI International)
 Workshop on e-Business (Web)

Internal Service

Joint Program Director, Management Information Systems Major, The SWUFE-UD Institute of Data Science. 2020-2023.
 Master in Evaluation Science Development Committee. 2020-2021.
 Chair, Course Adaptability Committee. 2020.
 Faculty Advisor, Lerner International Student Association (LISA). 2016-present.
 Alfred Lerner College of Business and Economics MBA Committee. 2015.
 Department of Accounting and MIS Recruiting Committee. 2012, 2022.
 University of Delaware Faculty Senate Library Committee. 2009-2010.
 Alfred Lerner College of Business and Economics Committee on Organization. 2009-2010
 MS in Information Systems and Technology Management (IS&TM) Program Final Paper Advisor. 2010.
 Faculty Coordinator for JPMorgan Chase University of Delaware Apprentice Case Study Competition, 2010.

Assisting in interviewing, evaluating, and selecting MIS faculty candidates, 2009.

Invited speaker in the new faculty orientation program at the Lerner College of Business and Economics. August, 2006.

Invited table host in the new faculty luncheon at the University of Delaware. October, 2006.
