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ASSISTANT PROFESSOR
Department of Computer Science
SUNY Oswego
Oswego, NY 13126

- EDUCATION**
- PhD** **University of Iowa**, Informatics (Information Science), *2013*
Dissertation: “Applying Human Computation Methods to Information Science”
(Advisor: Prof. Padmini Srinivasan)
- MBA** **UCLA**, Business Administration, *2000*
Concentration: IT Strategy
- MS** **Virginia Tech**, Computer Science, *1997*
Concentration: Database Systems and Design
- BS** **University of South Florida**, Computer Engineering, *1989*
Concentration: Computer Organization and Architecture
- HONORS AND AWARDS**
- Fulbright Scholar Award, Tampere University of Technology, Finland**, 2015-2016
University of Iowa Graduate College Academic Fellowship, 2008-2013
Air Force ROTC 4-year Academic Scholarship, 1985-1989
- TEACHING EXPERIENCE**
- State University of New York at Oswego, Oswego, NY* Aug 2013 – Present
Assistant Professor, Department of Computer Science
- Served as a first-year advisor in Computer Science
 - Taught graduate and undergraduate courses in Software Engineering, Information Science, MIS, and Human-Computer Interaction (HCI)
 - Supervised and guided graduate student projects in CS, IS, and HCI
 - Worked with other department members to develop new courses in HCI and Information Science in response to student needs
- Tampere University of Technology, Tampere, Finland* Aug 2015 – July 2016
Fulbright Scholar and Visiting Professor, Department of Human-Centered Technology
- Taught graduate and undergraduate courses in Software Engineering, Information Science, and Human-Computer Interaction (HCI)
 - Co-supervised 6 student master’s theses
 - Conducted research on data collection using gamification techniques, cross-cultural design, and human computation.
- University of Iowa, Iowa City, IA* Aug 2011 – Jun 2012
Graduate Assistant, College of Education
- Designed, developed and led workshops on topics including integration of technology applications in the classroom, integration of social media in classroom activities, and social media privacy and security for teachers
 - Assisted with a virtual reality animation workshop that used Blender software
 - Assisted professors to integrate technology in classroom activities
- University of Iowa, Iowa City, IA* Jan 2011 – May 2011
Graduate Teaching Assistant, Database Systems
- Lectured and provided illustrative examples on database concepts
 - Provided input into content as well as review and exam questions

University of Phoenix, Reston, VA
Lead Faculty Instructor, Computer Science

Nov 2003 – Sept 2005

- Taught 2 courses per term (50 students) on the following topics: database concepts, database administration, business intelligence and e-business
- Taught undergraduate and graduate courses, both online and on campus
- Responsible for administering quizzes, exams, and homework
- Worked with other faculty to ensure all syllabi met accreditation standards
- Consistently received excellent student ratings for teaching performance

**OTHER
RELATED
EXPERIENCE**

Advisa Group, Beijing, China
General Manager, Asia Pacific Region

Sept 2005 – Aug 2008

- Performed IT audits for 11 multinational firms throughout Asia
- Simultaneously managed several development teams of 26 engineers
- Implemented business intelligence systems in several large manufacturing firms, saving each an average of \$1M+ annually
- Served as a senior software architect to assist with difficult system implementations for various firms, including a large mobile phone company, and a steel manufacturer

Raytheon, Reston, VA
Senior Database Engineer

Nov 2003 – Sept 2005

- Investigated, recommended, tested and implemented database and computer access security measures
- Designed and coded improvements to mission-critical processes
- Maintained a top-secret security clearance (with Polygraph) for a government client on a critical mission

AT Kearney, Costa Mesa, CA
Associate, Strategic IT Processes

Jan 2001 – Nov 2003

- Analyzed current business processes related to data integration between system architectures for a several large retail firms in the US and UK
- Architected and crafted database strategy for a multi-language web-based architecture for Swiss-based FIFA prior to the 2002 World Cup
- Managed a team to streamline Change and Configuration Management (CCM) processes to reduce system outages for the American Airlines Data Center
- Converted database systems for a large US natural gas distributor using ETL software

E! Entertainment Television, Los Angeles, CA
Database Administrator, E! Online

Jan 1999 – Jan 2001

- Established and maintained sound backup and recovery policies and procedures for the world's largest entertainment website
- Performed general technical troubleshooting and provided consultation to the development team for games, news stories, and special events
- Set up a powerful crawler and search engine developed in Python
- Set up and maintained data documentation and standards

TRW (now Northrop Grumman), Fairfax, VA
Software Engineer

Apr 1995 – Jan 1999

- Consulted with the IRS in a modernization program designed to enhance the efficiency of processing of tax data
- Managed a team of three in the development of testing applications

Metamorfix, Lilongwe, Malawi and Lusaka, Zambia
Software Engineer

Sep 1992 – Mar 1995

- Designed and implemented an electronic signature program and voucher routing program on site in Malawi's Ministry of Finance for the World Bank
- Implemented a data collection and tracking system in Malawi and Zambia for USAID (U.S. Agency for International Development) on site, which was delivered under budget and on time.
- Assisted with the development of consulting proposals and grants with several African government agencies

PUBLICATIONS

Journal Articles – Peer Reviewed

- [j01] **Harris, C.G.** and Wu, C. (2014) "Using Tri-Reference Point Theory to Evaluate Risk Attitude and the Effects of Financial Incentives in a Gamified Crowdsourcing Task." *Journal of Business Economics*.
<http://dx.doi.org/10.1007/s11573-014-0718-4>

Conference and Workshop Papers – Peer Reviewed

- [c21] **Harris, C.G.** (2015) "The Effects of Pay-to-Quit Incentives on Crowdsourcing Task Quality" *CSCW 2015*, Vancouver, BC, Canada, Mar 2015 (Conference acceptance rate = 28%) ACM. **Best paper award winner.**
- [c20] Bielli, S. and **Harris, C.G.** (2015) "A Mobile Augmented Reality System to Enhance Live Sporting Events" *Augmented Human (AH'15)*, Singapore, Mar 2015. ACM.
- [c19] **Harris, C.G.** and Srinivasan, P. (2014) "Hybrid Crowd-Machine Methods as Alternatives to Pooling & Expert Judgments" *AIRS 2014*, Kuching, Malaysia, Dec 2014. (Conference acceptance rate = ~ 26%)
- [c18] **Harris, C.G.** (2014) "The Use of Token-Based Protocols in CSCW Tasks—An Empirical Examination". In *Collaboration Technologies and Social Computing (CollabTech'14)* Santiago Chile, Sep 2014
- [c17] **Harris, C.G.** (2014) "The Beauty Contest Revisited: Measuring Consensus Rankings of Relevance using a Game" *GamifIR 2014*, Amsterdam, Apr 2014
- [c16] **Harris, C.G.** and Srinivasan, P. (2013) Comparing Crowd-based, Game-based, and Machine-based Approaches in Initial Query and Query Refinement Tasks. *Proc. 34th European Conference on Information Retrieval (ECIR'13)*, Moscow, Russia, Mar 2013. (Conference acceptance rate = 29%)
- [c15] **Harris, C.G.** (2012) Developing a Repeated Multi-Agent Constant-Sum Game Algorithm Using Human Computation. *Proc. IEEE/WIC/ACM International Conferences on Web Intelligence and Intelligent Agent Technology (WI-IAT'12)*, Macau, China, Dec 2012. (Conference acceptance rate = 30%)
- [c14] **Harris, C.G.** (2012) "VisualizIR – A Game for Identifying and Categorizing Relevant Text in Documents." *Proc. NordiCHI'12, Copenhagen, Denmark*, Oct 2012. (Conference acceptance rate = 24%)

- [c13] **Harris, C.G.** and Srinivasan, P. (2012) “Applying Human Computation Mechanisms to Information Retrieval.” *Proc. ASIS&T'12, Baltimore, MD*, Oct 2012.
- [c12] **Harris, C.G.** and Srinivasan, P. (2012) “With a Little Help from the Crowd: Receiving Unauthorized Academic Assistance through Online Labor Markets.” *SocialCom. Proc. IEEE SocialCom'12, Amsterdam*, Sept 2012.
- [c11] Eickhoff, C., **Harris, C.G.**, de Vries, A.P., and Srinivasan, P. (2012) “Quality through Flow and Immersion: Gamifying Crowdsourced Relevance Assessments.” *Proc. SIGIR'12, Portland, OR*, Aug 2012, 871-880 (Conference acceptance rate = 21%)
- [c10] **Harris, C.G.** (2012) “Detecting Deceptive Opinion Spam using Human Computation.” *Proc. COMP'12, Toronto, Canada*, July 2012, 87-93
- [c09] **Harris, C.G.** (2012) “An Evaluation of Search Strategies for User-Generated Video Content.” *Proc. WWW CrowdSearch'12, Lyon, France*, Apr 2012, 48-53
- [c08] **Harris, C.G.** (2011) “Dirty Deeds Done Dirt Cheap: A Darker Side to Crowdsourcing.” *Proc. IEEE SocialCom'11, Boston, MA*, Oct 2011, 1314-1317
- [c07] **Harris, C.G.** and Xu T. (2011) “The Importance of Visual Context Clues in Multimedia Translation.” *Proc. CLEF'11, Amsterdam*, Sept 2011, 107-118
- [c06] **Harris, C.G.** (2011) “You're Hired! An Examination of Crowdsourcing Incentive Models in Human Resource Tasks.” *Proc. WSDM CSDM'11, Hong Kong, China*, Feb 2011, 15–18
- [c05] **Harris, C.G.**, Arens, R., and Srinivasan, P. (2010) “Comparison of IPC and USPC classification systems in patent prior art searches.” *Proc. PaIR '10, Toronto, Canada*. Oct 2010, 27-32
- [c04] Ha-Thuc, V., Mejova, Y., **Harris, C.G.**, and Srinivasan, P. (2010) “News Event Modeling and Tracking in the Social Web with Ontological Guidance.” *Proc. IEEE ICSC'10, Pittsburgh, PA*, Sept 2010, 414-419
- [c03] Ha-Thuc, V., Mejova, Y., **Harris, C.G.**, and Srinivasan, P. (2009) “A Relevance-based Topic Model for News Event Tracking.” *In Proc. SIGIR'09, Boston, MA*. Aug 2009, 764-765 (Poster)
- [c02] **Harris, C.G.**, Foster, S., Arens, R., and Srinivasan, P. (2009) “On the Role of Classification in Patent Invalidation Searches.” *Proc PaIR'09, Hong Kong, China*. p. 29-32 doi=10.1145/1651343.1651350 (Poster)
- [c01] Ha-Thuc, V., Mejova, Y., **Harris, C.G.**, and Srinivasan, P. (2009) “Event Intensity Tracking in Weblog Collections.” *Proc. AAAI Conference on ICWSM-DCW' 09, San Jose, CA*. May, 2009

Book Chapters – Peer Reviewed

- [b03] **Harris, C. G.**, and Srinivasan, P. (2013). Human Computation for Information Retrieval. In *Handbook of Human Computation* (pp. 205-214). Springer New York. ISBN: 978-1-4614-8805-7
- [b02] **Harris, C.G.** and Srinivasan, P. (2012) “Crowdsourcing and Ethics: The Employment of Crowdsourcing Workers for Tasks that Violate Privacy and Ethics.” *Security and Privacy in Social Networks*. Altshuler, Y., Elovici, Y., Cremers, A.B., Aharony, N., Pentland, A. (Eds.) Springer, 2012, ISBN: 978-1-461-44138-0.

- [b01] **Harris, C.G.**, Arens, R. and Srinivasan, P. (2011) “Using Classification Code Hierarchies for Patent Prior Art Searches.” *Current Challenges in Patent Information Retrieval. The Information Retrieval Series*, Vol. 29. Lupu, M.; Mayer, K.; Tait, J.; Trippe, A.J. (Eds.) 2011, XIV, ISBN: 978-3-642-19230-2.

Conference and Workshop Papers - Non Peer-Reviewed

- [n07] **Harris, C.G.** and Srinivasan, P. (2012) “Using Hybrid Computation Methods to Reduce the Number of Necessary Crowd Assessments in TREC Crowd'12.” *Proc. TREC 2012, Bethesda, MD*, Nov 2012.
- [n06] **Harris, C.G.** (2011) “UIOWA at NTCIR-9 RITE: Using the Power of the Crowd to Establish Inference Rules.” *Proc. NTCIR-9, Tokyo, Japan*, Dec 2011, 318-323
- [n05] **Harris, C.G.** (2011) “The Use of Inference Network Models in NTCIR-9 GeoTime.” *Proc. NTCIR-9, Tokyo, Japan*, Dec 2011, 18-21
- [n04] Eickhoff, C., **Harris, C.G.**, de Vries, A.P., and Srinivasan, P. (2011) “GeAnn at TREC 2011.” *Proc. TREC 2011, Bethesda, MD*, Nov 2011
- [n03] Bhattacharya, S., **Harris, C.G.**, Mejova, Y., Yang, C., and Srinivasan, P. (2011) “The University of Iowa at TREC 2011: Microblogs, Medical Records and Crowdsourcing.” *Proc. TREC 2011, Bethesda, MD*, Nov 2011
- [n02] **Harris, C.G.** (2010) “Geographic Information Retrieval Involving Temporal Components.” *Proc. NTCIR-8, Tokyo, Japan*, June 2010, 185-189
- [n01] Mejova, Y., Ha-Thuc, V., Foster, S., **Harris, C.G.**, Arens, R., and Srinivasan, P. (2009) “TREC Blog and TREC Chem: A View from the Corn Fields.” *Proc. TREC 2009, Bethesda, MD*, Nov 2009

**PRESENTATIONS
AND INVITED
LECTURES**

Invited Presentation “The Future of Artificial Intelligence: Should We Celebrate...or Are We All Doomed?” “Člověk a stroj: Soužití nebo souboj?” (“Human and Robot: Cooperation or Competition?”), Pilsen Talks II, Pilsen, Czech Republic, May 2016

Invited Presentation “Cross Cultural Human Computer Interaction: Customizing Interfaces for Different Cultures”. Presented at Seminar on Cross-Cultural Education, Kuopio, Finland, April 2016.

Invited Presentation “What is big data?”. Presented at Future Technologies Conference, Tampere, Finland, April 2016.

Invited Lecture, “Academic Cheating through Online Labor Markets”, Multimedia Information Retrieval Group, TU Delft, Netherlands, Sept 2012

Panelist, “The Future of Social Media in Human Computation”, SoHuman’12 Workshop, Amsterdam, Netherlands, Sept 2012

Panelist, “Patent Information Retrieval: What Lies Ahead”, PaIR’10 Workshop, Toronto, Canada, Oct 2010

Presented in all listed conference and workshop papers where I was first author.

**PROFESSIONAL
AFFILIATIONS**

IEEE Computer Society, 2008-2014
ACM, 2008-Present

**PROFESSIONAL
SERVICE**

Workshop Co-Organizer

3rd Patent Information Retrieval Workshop (PaIR'10), Toronto, Canada, 2010

Program Committee Member:

4th Patent information Retrieval Workshop (PaIR'11), 2011

1st International Workshop on Mining Scientific Publications (WOSP'12), 2012

Workshop on Crowdsourcing and Gamification in the Cloud (CGCloud'13), 2013

Workshop on Gamification in Information Retrieval (GamifIR'14), 2014-2016

Session Chair:

7th International Conference on Natural Language Processing and Knowledge Engineering (NLPKE'11), 2011

IEEE/WIC/ACM Web Intelligence-Intelligent Agent Technology 2012 (WI-IAT'12), 2012

CollabTech 2014

Peer-Reviewed Articles for:

International Journal of Information Technology & Decision Making (IJITDM), 2014

IEEE Transactions on Human Machine Systems (THMS), 2014

Computer Supported Collaborative Work (CSCW) 2012, 2014

Journal of Medical Ethics (JME), 2012

1st International Workshop on Mining Scientific Publications (WOSP'12), 2012

4th Patent information Retrieval Workshop (PaIR'11), 2011

Current Challenges in Patent Retrieval (book), The Information Retrieval Series, 2010

**COMMUNITY
SERVICE**

Graduate Student Senator, Representing Informatics, University of Iowa (2010-13)

International Student Committee Co-chair, University of Iowa (2010-11)

Treasurer, Graduate Informatics Student Organization, University of Iowa (2009-10)

Co-founder and first Chapter President, Sigma Alpha Lambda Honor Society, University of Iowa (2008-09)