

DIANE KELLY – CURRICULUM VITAE

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EDUCATION

PHD, Information Science, January 2004
Rutgers University, New Brunswick, NJ

COGNITIVE SCIENCE CERTIFICATE, January 2004
Rutgers University Center for Cognitive Science, Rutgers University, Piscataway, NJ

MASTER OF LIBRARY SCIENCE, May 1999
Rutgers University, New Brunswick, NJ

BACHELOR OF ARTS, May 1996
University of Alabama, Tuscaloosa, AL

PROFESSIONAL EXPERIENCE

PROFESSOR AND DIRECTOR, August 2016 – present
School of Information Sciences, University of Tennessee, Knoxville, TN

PROFESSOR, January 2015 – July 2016

ASSOCIATE PROFESSOR, January 2010 – December 2014

FRANCES CARROLL MCCOLL TERM PROFESSOR, 2010 - 2012

ASSISTANT PROFESSOR, January 2004 – December 2009

School of Information and Library Science, University of North Carolina, Chapel Hill, NC

RESEARCH ASSISTANT, January 1998 - December 2003

INSTRUCTOR, January 1999 - June 2001

School of Communication, Information and Library Science, Rutgers University, New Brunswick, NJ

HONORS & AWARDS

- Best *JASIST* Paper of the Decades (2000s), Kelly, D. (2006). Measuring online information seeking context, Part 1: Background and method. *Journal of the American Society for Information Science & Technology*, 57(13), 1729-1739.
- 2018 East Tennessee Library Association Mary Utopia Rothrock Lecturer

- 2017 Best Paper Award, *ACM Conference on Human Information Interaction and Retrieval (CHIIR)*
- 2015 ACM Senior Member Recognition
- 2014 *ASIST Research Award*
- 2014 *ASIST SIGUSE Best Paper Award*
- 2014 Best Paper Award, *Information Interaction in Context (IliX) Conference*
- 2013 British Computer Society's IRSG Karen Spärck Jones Award
- 2012 Best Poster Award, *Information Interaction in Context (IliX) Conference*
- 2010-2012 UNC SILS Frances Carroll McColl Term Professorship
- 2010 Best Paper Honorable Mention, *ACM SIGCHI Conference*
- 2009 ASIST/Thomson Reuters Outstanding Information Science Teacher Award
- May 2008, *Visiting Fellow in Computing*, Macquarie University, Sydney, Australia
- 2006-2007 SILS Outstanding Teaching Award
- 2006 Eugene Garfield ALISE Doctoral Dissertation Award
- 2002 Best Poster Award, *ACM CIKM*

LEADERSHIP TRAINING

- UT Leadership Institute (Spring 2019)
- Academic Leaders Fellow, Institute for Arts and Humanities at UNC (2015-2016)
- *Center for Creative Leadership*, Leadership Development Program (Summer 2015)

PUBLICATIONS

REFEREED

Books & Monographs

Ruthven, I. & Kelly, D. (2011). *Interactive Information Seeking, Behaviour and Retrieval*. Facet Publishing: London, UK.

Kelly, D. (2009). Methods for evaluating interactive information retrieval systems with users. *Foundations and Trends in Information Retrieval*, 3(1-2). DOI: 10.1561/1500000012. [Translated into Japanese]

Book Chapters

Edwards, A. & Kelly, D. (2016). Engagement in information search. In H. O'Brien & P. Cairns (Eds.), *Why Engagement Matters: Cross-Disciplinary Perspectives and Innovations on User Engagement with Digital Media*. Springer International Publishing: Switzerland.

Kelly, D. & Teevan, J. (2007). Understanding what works: Evaluating personal information management tools. In W. Jones & J. Teevan (Eds.), *Personal Information Management*. Seattle: University of Washington Press (pp. 190-204).

Kelly, D. (2005). Implicit feedback: Using behavior to infer relevance. In A. Spink and C. Cole (Eds.) *New Directions in Cognitive Information Retrieval*. Springer Publishing: Netherlands (pp. 169-186).

Conference & Workshop Proceedings (edited)

Belkin, N., Bogers, T., Kamps, J., Kelly, D., Koolen, M. and Yilmaz, E. (2017). Second Workshop on Supporting Complex Search Tasks. *Conference on Human Information Interaction and Retrieval (CHIIR)*, Oslo, Norway.

Kelly, D., Capra, R., Belkin, N. J., Teevan, J., & Vakkari, P. (2016). *Proceedings of the 1st International ACM SIGIR Conference on Human Information Interaction and Retrieval (CHIIR '16)*, Carrboro, NC.

Jones, G. J. F., Sheridan, P., Kelly, D., de Rijke, M. Sakai, T. (2013). *Proceedings of the 36th International ACM SIGIR Conference on Research and Development in Information Retrieval*, Dublin, Ireland.

Kelly, D., Belkin, N.J., Azzopardi, L., Turpin, A. & Yuan, X.-J. (2010). *Proceedings of the 3rd IiX Symposium on Information Interaction in Context*, New Brunswick, NJ.

Shanahan, J. G., Amer-Yahia, S., Zhang, Y., Kolcz, A., Chowdury, A., & Kelly, D. (2008). *Proceedings of the 17th ACM Conference on Information and Knowledge Management (CIKM)*, Napa Valley, CA.

Borlund, P., Schneider, J. W., Lalmas, M., Tombros, A., Feather, J., Kelly, D., de Vries, A., & Azzopardi, L. (2008). *Proceedings of the 2nd IiX Symposium on Information Interaction in Context*, London, UK.

Journal Articles

Wildemuth, B. W., Kelly, D., Boettcher, E., Moore, E., and Dimitrova, G. (2018). The impact of domain and cognitive complexity on query formulation and reformulation. *Information Processing and Management* 54(3), 433-450.

Niu, X. & Kelly, D. (2014). The use of query suggestions as idea tactics during information search. *Information Processing & Management*, 50(1), 218-234.

Huang, K. & Kelly, D. (2013). The daily image information needs and seeking behaviors of Chinese undergraduate students. *College & Research Libraries*, 74, 243-261.

Kelly, D. & Sugimoto, C. R. (2013). A systematic review of interactive information retrieval evaluation studies, 1967-2006. *Journal of the American Society for Information Science and Technology*, 64(4), 745-770.

Kelly, D., Fu, X., & Shah, C. (2010). Effects of rank of relevant documents and search precision on users' evaluations of system performance. *ACM Transactions on Information Systems*, 28(2).

Kelly, D., Kantor, P. B., Morse, E. L., Scholtz, J., & Sun, Y. (2009). Questionnaires for eliciting evaluation data from users of interactive question answering systems. *Journal of Natural Language Engineering*, 15(1), 119-141.

Kelly, D., Harper, D. J., & Landau, B. (2008). Questionnaire mode effects in interactive information retrieval experiments. *Information Processing & Management*, 44(1), 122-141.

Wacholder, N., Kelly, D., Rittman, R., Sun, Y., Kantor, P., Small, S., & Strzalkowski, T. (2007). A model for realistic evaluation of an end-to-end question answering system. *Journal of the American Society for Information Science and Technology*, 58(8), 1082-1099.

Kelly, D., Wacholder, N., Rittman, R., Sun, Y., Kantor, P., Small, S., & Strzalkowski, T. (2007). Using interview data to identify evaluation criteria for interactive, analytical question answering systems. *Journal of the American Society for Information Science and Technology*, 58(7), 1032-1043.

Murdock, V., Kelly, D., Croft, W. B., Belkin, N. J., & Yuan, X.-J. (2007). Identifying and answering procedural questions. *Information Processing & Management* 43(1), 181-203.

Kelly, D., & Fu, X. (2007). Eliciting better information need descriptions from users of information systems. *Information Processing & Management* 43(1), 30-46.

Kelly, D. (2006). Measuring online information-seeking context, part 2. Findings and discussion. *Journal of the American Society for Information Science & Technology* 57(14), 1862-1874.

Kelly, D. (2006). Measuring online information-seeking context, part 1. Background and method. *Journal of the American Society for Information Science & Technology* 57(13), 1729-1739.

Belkin, N. J., Cool, C., Kelly, D., Lin, S.-J., Park, S.Y., Perez-Carballo, J., & Sikora, C. (2001). Iterative exploration, design and evaluation of support for query reformulation in interactive information retrieval. *Information Processing & Management* 37(3), 404-434.

Full Conference Papers

Edwards, A. & Kelly, D. (2017). Engaged or frustrated? Disambiguating emotional states in search. *Proceedings of the 40th Annual ACM International Conference on Research and Development in Information Retrieval (SIGIR '17)*, Tokyo, Japan.

Jiang, J., He, D., Kelly, D., & Allan, J. (2017). Understanding ephemeral state of relevance. *Proceedings of the second ACM SIGIR Conference on Human Information Interaction and Retrieval*, Oslo, Norway. **[Best Conference Paper]**

Crescenzi, A., Kelly, D. & Azzopardi, L. (2016). Impacts of time constraints and system delays on user experience. *Proceedings of the first ACM SIGIR Conference on Human Information Interaction and Retrieval*, Carrboro, NC, 141-150.

Kelly, D., Arguello, J., Edwards, A. & Wu, W.-C. (2015). Development and evaluation of search tasks for IIR experiments using a cognitive complexity framework. *Proceedings of ACM SIGIR International Conference on the Theory of Information Retrieval (ICTIR '15)*, Northampton, MA, 101-110.

Kelly, D. & Azzopardi, L. (2015). How many results per page? A study of SERP size, search behavior and user experience. *Proceedings of the 38th Annual ACM International Conference on Research and Development in Information Retrieval (SIGIR '15)*, Santiago, Chile. (20% acceptance rate)

Edwards, A., Kelly, D. & Azzopardi, L. (2015). The impact of query interface design on stress, workload and performance. *Proceedings of the European Conference on Information Retrieval (ECIR '15)*, Vienna, Austria. (23% acceptance rate)

Wu, W.C. & Kelly, D. (2014). Online search stopping behaviors: An investigation of query abandonment and task stopping. *Proceedings of the Annual Conference of the Association for Information Science and Technology (ASIST)*, Seattle, WA. **[Best SIGUSE Paper]**

Brennan, K., Kelly, D., & Arguello, J. (2014). The effect of cognitive abilities on information search for tasks of varying levels of complexity. *Proceedings of the Information Interaction in Context Conference (IliX)*, Regensburg, Germany, 165-174. **[Best Conference Paper]**

Wu, W.C., Kelly, D. & Sud, A. (2014). Using information scent and need for cognition to understand online search behavior. *Proceedings of the 37th Annual ACM International Conference on Research and Development in Information Retrieval (SIGIR '14)*, 557-566. (21% acceptance rate)

Azzopardi, L., Kelly, D. & Brennan, K. (2013). How query cost affects search behavior. *Proceedings of the 36th Annual ACM International Conference on Research and Development in Information Retrieval (SIGIR '13)*, Dublin, Ireland, 23-32. (20% acceptance rate)

Scholer, F., Kelly, D., Wu, W.-C., Lee, H. & Webber, W. (2013). The effects of threshold priming and Need for Cognition on relevance calibration and assessment. *Proceedings of the 36th Annual ACM International Conference on Research and Development in Information Retrieval (SIGIR '13)*, Dublin, Ireland, 623-632. (20% acceptance rate)

Arguello, J., Wu, W.C., Kelly, D., & Edwards, A. (2012). Task complexity, vertical display and user interaction in aggregated search. *Proceedings of the 35th Annual ACM International Conference on Research and Development in Information Retrieval (SIGIR '12)*, Portland, OR, 435-444. (20% acceptance rate)

Wu, W.C., Kelly, D., & Huang, K. (2012). User evaluation of query quality. *Proceedings of the 35th Annual ACM International Conference on Research and Development in Information Retrieval (SIGIR '12)*, Portland, OR, 215-224. (20% acceptance rate)

Bailey, E., & Kelly, D. (2011). Is amount of effort a better predictor of search success than use of specific search tactics? *Proceedings of the American Society for Information Science and Technology Conference*, 48(1), 1-10.

Kelly, D. & Gyllstrom, K. (2011). An examination of two delivery modes for interactive search system experiments: Remote and face-to-face. *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI '11)*, Vancouver, BC, 1531-1540. (27% acceptance rate)

Hauff, C., Kelly, D. & Azzopardi, L. (2010). A comparison of user and system query performance predictions. *ACM Conference on Information and Knowledge Management (CIKM '10)*, Toronto, Canada, 919-988. (13% acceptance rate)

Kelly, D., Cushing, A., Dostert, M., Niu, X., & Gyllstrom, K. (2010). Effects of popularity and quality on the usage of query suggestions during information search. *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI)*, Atlanta, GA, 45-54. (22% Acceptance Rate) **[Best Paper Honorable Mention]**

Kelly, D., Gyllstrom, K., & Bailey, E. W. (2009). A comparison of term and query suggestion features for interactive searching. *Proceedings of the 32th Annual ACM International Conference on Research and Development in Information Retrieval (SIGIR '09)*, Boston, Massachusetts, 371-378. (16% acceptance rate)

Kelly, D., Shah, C., Sugimoto, C. R., Bailey, E. W., Clemens, R. A., Irvine, A. K., Johnson, N. A., Ke, W., Oh, S., Poljakova, A., Rodriguez, M. A., van Noord, M. G., & Zhang, Y. (2008). Effects of performance feedback on users' evaluations of an interactive IR system. *Proceedings of the 2nd Symposium on Information Interaction in Context (IiX)*, London, UK, 75-82.

White, R. W. & Kelly, D. (2006). A study on the effects of personalization and task information on implicit feedback performance. *Conference on Information and Knowledge Management, (CIKM '06)*, Arlington, VA, 297-306. (15% acceptance rate)

Harper, D. J. & Kelly, D. (2006). Contextual relevance feedback. *Proceedings of the 1st Symposium on Information Interaction in Context (IiX)*, Copenhagen, Denmark, 129-137.

Kelly, D., & Fu, X. (2006). Elicitation of term relevance feedback: An investigation of term source and context. *Proceedings of the 29th Annual ACM International Conference on Research and Development in Information Retrieval (SIGIR '06)*, Seattle, WA, 453-460. (19% acceptance rate)

Kelly, D., Dollu, V. J., & Fu, X. (2005). The loquacious user: A document-independent source of terms for query expansion. *Proceedings of the 28th Annual ACM International Conference on Research and Development in Information Retrieval (SIGIR '05)*, Salvador, Brazil, 457-464. (19% acceptance rate)

Kelly, D. & Belkin, N.J. (2004). Display time as implicit feedback: Understanding task effects. *Proceedings of the 27th Annual ACM International Conference on Research and Development in Information Retrieval (SIGIR '04)*, Sheffield, UK, 377-384. (22% acceptance rate)

Kelly, D., Diaz, F., Belkin, N. J., & Allan, J. (2004). A user-centered approach to evaluating topic models. *Proceedings of the 26th European Conference on Information Retrieval (ECIR '04)*, Sunderland, UK, 27-41.

Small, S., Strzalkowski, T., Lu, T., Ryan, S., Kantor, P., Kelly, D., Rittman, R., & Wacholder, N. (2004). HITIQA: Toward analytical question-answering. *Proceedings of the 20th International Conference on Computational Linguistics (COLING '04)*, Geneva, Switzerland, Article No. 1291.

Wacholder, N., Small, S., Bai, B., Kelly, D., Rittman, R., Ryan, S., Salkin, R., Song, P., Sun, Y., Ting, L., Kantor, P., & Strazalkowski, T. (2004). Designing a realistic evaluation of an end-to-end interactive question answering system. *Proceedings of the 4th International Conference on Language Resources and Evaluation (LREC '04)*, Lisbon, Portugal.

Belkin, N. J., Cool, C., Kelly, D., Lee, H.-J., Muresan, G., Tang, M.-C., & Yuan, X.-J. (2003). Query length in interactive information retrieval. *Proceedings of the 26th Annual ACM International Conference on Research and Development in Information Retrieval (SIGIR '03)*, Toronto, CA, 205-212. (17% acceptance rate)

Kelly, D. (2003). A longitudinal, naturalistic study of information search and use behavior as implicit feedback for user model construction and maintenance. *UM '03, The Ninth International Conference on User Modeling*, Johnstown, PA, 420-422.

Kelly, D. & Belkin, N. J. (2002). A user modeling system for personalized interaction and tailored retrieval in interactive IR. *Proceedings of Annual Conference of the American Society for Information Science and Technology (ASIST '02)*, Philadelphia, PA, 316-325.

Kelly, D. & Cool, C. (2002). The effects of topic familiarity on information search behavior. *Proceedings of the Second ACM/IEEE Joint Conference on Digital Libraries (JCDL '02)*, Portland, OR, 74-75.

Short Conference Papers

Brennan, K. & Kelly, D. (2018). Strategies for finding and evaluating information about personal finance topics: The role of government information. *Proceedings of the ACM SIGIR Conference on Human Information Interaction & Retrieval (CHIIR)*, New Brunswick, NJ.

Turpin, L., Kelly, D. & Arguello, J. (2016). To blend or not to blend? Perceptual speed, visual memory and aggregated search. *Proceedings of the 39th Annual ACM International Conference on Research and Development in Information Retrieval (SIGIR '16)*, Pisa, Italy.

Bailey, E. W. & Kelly, D. (2016). Developing a measure of search expertise. *Proceedings of the ACM SIGIR Conference on Human Information Interaction and Retrieval*, Carrboro, NC.

Brennan, K., Kelly, D. & Zhang, Y. (2016). Factor analysis of a search self-efficacy scale. *Proceedings of the ACM SIGIR Conference on Human Information Interaction and Retrieval*, Carrboro, NC.

Edwards, A. & Kelly, D. (2016). How does interest in a work task impact search behavior and engagement? *Proceedings of the ACM SIGIR Conference on Human Information Interaction and Retrieval*, Carrboro, NC.

Crescenzi, A., Kelly, D. & Azzopardi, L. (2015). Time pressure and system delays in information search. *Proceedings of the 38th Annual ACM International Conference on Research and Development in Information Retrieval (SIGIR '15)*, Santiago, Chile.

Wu, W.C., Kelly, D., Edwards, A., & Arguello, J. (2012). Grannies, tanning beds, tattoos and NASCAR: Evaluation of search tasks with varying levels of cognitive complexity.

Proceedings of the 3rd Information Interaction in Context Symposium (IliX '12), Nijmegen, The Netherlands, 254-257. [**Best Poster Award**]

Hauff, C., de Jong, F., Kelly, D. & Azzopardi, L. (2010). Query quality: User ratings and system predictions. *Proceedings of the 33rd Annual ACM International Conference on Research and Development in Information Retrieval (SIGIR '10)*, Geneva, Switzerland, 743-744.

Bailey, E. W., Kelly, D., & Gyllstrom, K. (2009). Undergraduates' evaluations of assigned search topics. *Proceedings of the 32th Annual ACM International Conference on Research and Development in Information Retrieval (SIGIR '09)*, Boston, Massachusetts, 812-813.

Dostert, M. & Kelly, D. (2009). Users' stopping behaviors and estimates of recall. *Proceedings of the 32th Annual ACM International Conference on Research and Development in Information Retrieval (SIGIR '09)*, Boston, Massachusetts, 820-821.

Fu, X., Kelly, D., & Shah, C. (2007). Using collaborative queries to improve retrieval for difficult topics. *Proceedings of the 30th Annual ACM International Conference on Research and Development in Information Retrieval (SIGIR '07)*, Amsterdam, The Netherlands, 879-880.

Shah, C., Kelly, D., & Fu, X. (2007). Making mind and machine meet: A study of combining cognitive and algorithmic relevance feedback. *Proceedings of the 30th Annual ACM International Conference on Research and Development in Information Retrieval (SIGIR '07)*, Amsterdam, The Netherlands, 877-878.

Fu, X., & Kelly, D. (2006). Evaluating sources of query expansion terms. *Proceedings of the 29th Annual ACM International Conference on Research and Development in Information Retrieval (SIGIR '06)*, Seattle, WA, 647-648.

Kelly, D. (2003). Information search and use behavior as implicit sources of evidence of information problem and document preference. Presented at the *Association for Library and Information Science Education (ALISE '03) Annual Conference*, Philadelphia, PA.

Kelly, D., Murdock, V., Yuan, X. J., Croft, W. B. & Belkin, N. J. (2002). Features of documents relevant to task- and fact-oriented questions. *Proceedings of the Eleventh International Conference on Information and Knowledge Management (CIKM '02)*, McLean, VA, 645-647. [**Best Poster Award**]

Kelly, D. & Belkin, N. J. (2001). Reading time, scrolling and interaction: Exploring implicit sources of user preference for relevance feedback. *Proceedings of the 24th Annual International ACM Conference on Research and Development in Information Retrieval (SIGIR '01)*, New Orleans, LA., 408-409.

Workshop Papers

Kelly, D. (2009). Query suggestions as idea tactics for information search. Proceedings of the workshop on *Human Computer Information Retrieval (HCIR '09)*, College Park, MD.

Kelly, D. (2007). Web page relevance: What are we measuring? *Workshop on Web Information Seeking and Interaction at the 30th Annual ACM International Conference on Research and Development in Information Retrieval (SIGIR '07)*, Amsterdam, The Netherlands.

Kelly, D., Kantor, P. B., Morse, E. L., Scholtz, J., & Sun, Y. (2006). User-centered evaluation of interactive question answering systems. *Proceedings of the Workshop on Interactive Question Answering at the Human Language Technology Conference (HLT-NAACL '06)*, New York, NY.

Kelly, D. (2005). Polyrepresentative extraction of information needs. *Workshop on Exploratory Search Interfaces*, Human Computer Interaction Lab Annual Symposium and Open House, University of Maryland (June 02-03, 2005).

Kelly, D. (2004). Building a test collection for investigating contextual information retrieval. *Proceedings of the 27th Annual ACM International Conference on Research and Development in Information Retrieval (SIGIR '04)*, *Workshop on Information Retrieval in Context*, Sheffield, UK.

Small, S., Strzalkowski, T., Lu, T., Ryan, S., Salkin, R., Shimizu, N., Kantor, P., Kelly, D., Rittman, R., Wacholder, N., & Yamrom, B. (2004). HITIQA: Scenario-based question-answering. *Proceedings of the Workshop on Pragmatics of Question Answering at the Human Language Technology Conference (HLT-NAACL '04)*, Boston, MA.

Kelly, D. (2003). Understanding implicit feedback: A naturalistic user study. *Proceedings of the 26th Annual International ACM Conference on Research and Development in Information Retrieval (SIGIR '03) Workshop on Implicit Measures of User Interests and Preferences*, Toronto, CA.

Kelly, D. & Belkin, N. J. (2002). Modeling characteristics of the user's problematic situation with information search and use behaviors. *Proceedings of the Second ACM/IEEE Joint Conference on Digital Libraries (JCDL '02) Workshop on Document Search Interface Design for Large-scale Collections and Intelligent Access*, Portland, OR.

Kelly, D. & Belkin, N. J. (2002). Unobtrusively measuring information search and use behaviors using a naturalistic, longitudinal approach. *Proceedings of the Annual Conference of the American Society for Information Science and Technology (ASIST '02) Workshop on Measuring Search Behaviors: Current and Proposed Methods*, Philadelphia, PA.

Tutorials

Kelly, D. & Crescenzi, A. (2017). From design to analysis: Conducting controlled laboratory experiments with users. *Proceedings of the 40th Annual ACM International Conference on Research and Development in Information Retrieval (SIGIR '17)*, Tokyo, Japan.

Kelly, D. (2015). Statistical power analysis for sample size estimation in IR experiments with users. *Proceedings of the European Conference on Information Retrieval (ECIR)*, Vienna, Austria.

Kelly, D. (2014). Statistical power analysis for sample size estimation and understanding risks in experiments. *Proceedings of the Information Interaction in Context Conference (IliX)*, Regensburg, Germany.

Kelly, D., Radlinski, F., & Teevan, J. (2014). Choices and constraints: Research goals and approaches in information retrieval research. *Proceedings of the 37th Annual ACM International Conference on Research and Development in Information Retrieval (SIGIR '14)*.

Kelly, D. (2007). Conducting user-centered information retrieval system evaluations. *Proceedings of the 30th Annual ACM International Conference on Research and Development in Information Retrieval (SIGIR '07)*, Amsterdam, The Netherlands.

Kelly, D., & Harper, D. J. (2006). Conducting interactive information retrieval user studies. *Proceedings of the 29th Annual ACM International Conference on Research and Development in Information Retrieval (SIGIR '06)*, Seattle, WA.

OTHER PUBLICATIONS (NOT REFEREED)

Ferro, N. & Kelly, D. (2018). SIGIR initiative to implement ACM artifact review and badging. *SIGIR Forum*, 52(1), 4-10.

Kelly, D. (2018). SIGIR Community survey on preprint services. *SIGIR Forum*, 52(1), 11-33.

Kelly, D., Arguello, J., & Capra, R. (2013). NSF Workshop on Task-based Information Search Systems. *SIGIR Forum*, 47(2).

Kelly, D. & Belkin, N. J. (2010). The 3rd Information Interaction in Context Symposium (IliX '10). *SIGIR Forum*, 44(2), 13-14.

Kelly, D. & Ruthven, I. (2010). Search procedures revisited. In Larsen, B., Schneider, J.W. & Åström, F. (Eds.) *The Janus Faced Scholar: A Festschrift in Honor of Peter Ingwersen*. Copenhagen: The Royal School of Library and Information Science.

Kelly, D., Dumais, S., & Pedersen, J. (2009). Evaluation challenges and directions for information seeking support systems. *IEEE Computer*, 42(3), 60-66.

Kelly, D. & Lin, J. (2007). Overview of the TREC 2006 ciQA Task. *SIGIR Forum*, 41(1), 107-116.

Kelly, D. (2006). Evaluating personal information management behaviors and tools. *Communications of the ACM* 49(1), 84-86.

Kelly, D. & Teevan, J. (2003). Implicit feedback for inferring user preference: A bibliography. *SIGIR Forum*, 37(2), 18-28.

TREC (TEXT RETRIEVAL CONFERENCE)

Dang, H., Kelly, D., & Lin, J. (2008). Overview of the TREC 2007 question answering track. E. Voorhees & L. P. Buckland (Eds.), *TREC2007, Proceedings of the Sixteenth Text Retrieval Conference*. Washington, D.C.: GPO.

Kelly, D., Murdock, V., & Fu, X. (2008). Using interactions to improve translation dictionaries: UNC, Yahoo! and ciQA. E. Voorhees & L. P. Buckland (Eds.), *TREC2007, Proceedings of the Sixteenth Text Retrieval Conference*. Washington, D.C.: GPO.

Dang, H., Lin, J., & Kelly, D. (2007). Overview of the TREC 2006 question answering track. E. Voorhees & L. P. Buckland (Eds.), *TREC2006, Proceedings of the Fifteenth Text Retrieval Conference*. Washington, D.C.: GPO.

Kelly, D. & Fu, X. (2006). University of North Carolina's HARD Track Experiments at TREC 2005. E. Voorhees & L. P. Buckland (Eds.), *TREC2005, Proceedings of the Fourteenth Text Retrieval Conference*. Washington, D.C.: GPO.

Kelly, D., Dollu, V. D., & Fu, X. (2005). University of North Carolina's HARD Track Experiments at TREC 2004. E. Voorhees & L. P. Buckland (Eds.), *TREC2004, Proceedings of the Thirteenth Text Retrieval Conference*. Washington, D.C.: GPO.

Belkin, N. J., Kelly, D., Lee, H.-J., Li, Y.-L., Muresan, G., Tang, M.-C., Yuan, X.-J., and Zhang, X.-M. (2004). Rutgers' HARD and Web Interactive Track Experiences at TREC 2003. E. Voorhees & L. P. Buckland (Eds.), *TREC2003, Proceedings of the Twelfth Text Retrieval Conference*. Washington, D.C.: GPO.

Belkin, N. J., Cool, C., Kelly, D., Kim, G., Kim, J., Lee, H.-J., Muresan, G., Tang, M.-C., & Yuan, X.-J. (2003). Rutgers' TREC 2002 Interactive Track Experience. E. Voorhees & L. P. Buckland (Eds.), *TREC2002, Proceedings of the Eleventh Text Retrieval Conference*. Washington, D.C.: GPO.

Belkin, N. J., Cool, C., Jeng, J., Keller, A., Kelly, D., Kim, J., Lee, H.-J., Tang, M.-C., & Yuan, X.-J. (2002). Rutgers' TREC 2001 Interactive Track Experience. D. Harman & E. Voorhees (Eds.), *TREC2001, Proceedings of the Tenth Text Retrieval Conference*. Washington, D.C.: GPO.

Belkin, N. J., Keller, A. M., Kelly, D., Perez-Carballo, J., Sikora, C., & Sun, Y. (2001). Support for question-answering in interactive information seeking: The Rutgers TREC-9 interactive track experience. D. Harman & E. Voorhees (Eds.), *TREC-9, Proceedings of the Ninth Text Retrieval Conference*. Washington, D.C.: GPO.

Belkin, N. J., Cool, C., Head, J., Jeng, J., Kelly, D., Lin, S., Park, S. Y., Savage-Knepshild, P. & Sikora, C. (2000). Relevance feedback versus local context analysis as term-suggestion devices: Rutgers' TREC-8 interactive track experience. D. Harman & E. Voorhees (Eds.), *TREC-8, Proceedings of the Eighth Text Retrieval Conference*. Washington, D.C.: GPO.

Belkin, N. J., Perez-Carballo, J., Cool, C., Kelly, D., Lin, S., Park, S. Y., Rieh, S. Y., Savage-Knepshild, P. & Sikora, C. (1999). Rutgers' TREC-7 interactive track experience. D. Harman

& E. Voorhees (Eds.), *TREC-7, Proceedings of the Seventh Text Retrieval Conference*. Washington, D.C.: GPO.

DISSERTATION

Kelly, D. (2004). Understanding implicit feedback and document preference: A naturalistic user study (dissertation abstract). *SIGIR Forum*, 38(1), 77.

Kelly, D. (2004). *Understanding implicit feedback and document preference: A naturalistic user study*. Ph.D. Dissertation, Rutgers University.

KEYNOTES, INVITED TALKS AND PANELS

- Panelist: 2020 iConference, *Human-Centered Information Studies*
- Keynote: *What do we mean by Theory in Information Retrieval?* Presented at the 2019 ACM SIGIR International Conference on the Theory of Information Retrieval (ICTIR), Santa Clara, CA.
- Lecturer and Panelist: 12th European Summer School in Information Retrieval (ESSIR 2019), Milan, Italy
- Panelist: 2019 iConference, *Information Science Beyond the Information Age*
- Panelist: 2018 ASIS&T Conference, *Publication Quality, Peer Review and Predatory Journals*
- Panelist: ACM SIGIR Conference (August 2018), Women in IR: Mentoring Female Students in IR.
- Panelist: ACM SIGIR Conference (August 2018), The Future of Information Retrieval.
- Panelist: ALISE Conference (February 2018), Undergraduate programs: What you need to know.
- Invited Talk: *When Effort exceeds Expectations: A Theory of Search Task Difficulty*, University of Buffalo, May 2, 2018.
- Keynote: *Search Engine Bias*, East Tennessee Library Association spring banquet, April 19th, 2018.
- 3rd Strategic Workshop on Information Retrieval in Lorne (Australia), February 13-16, 2018.
- Panelist: 25th Anniversary Celebration of the *Text Retrieval Conference*. (November 2016)
- Panelist: NeuroIR: Neuro-Physiological Methods in IR Research - A SIGIR Workshop, SIGIR Conference, August 13, 2015.
- Keynote: *When Effort exceeds Expectations: A Theory of Search Task Difficulty*, ECIR Workshop on Supporting Search for Complex Tasks, March 26, 2015.
- Panelist: Evaluating IR research: A technical or social science? *European Conference on Information Retrieval (ECIR)*, Vienna, Austria.
- Keynote: *Why Empirical Librarianship?* First Empirical Librarians Symposium, Greensboro, NC, February 9, 2015.
- Invited Talk: *Statistical power analysis for sample size estimation and understanding risks in experiments*. Australia National University, December 1, 2014.
- Keynote: *Closed-Stack Search on the Web: Access Points and Bibliographic Control in Modern-Day Search Systems*, Keynote presented at 19th Australasian Document Computing Symposium (ADCS 2014), November 27, 2014.
- Invited Talk: *Is Search Bad for You?*, School of Information Studies, University of

- Syracuse, December 5, 2013.
- Invited Talk: *Development and Evaluation of Search Tasks for Sharing*, Informatics Institute, University of Amsterdam, November 28, 2013.
 - Invited Talk: *Methodology in Information Retrieval Evaluation*, Schloss Dagstuhl Seminar in Information Retrieval Evaluation, Saarbrücken, Germany, October 28, 2013.
 - Invited Talk: *Effects of Threshold Priming and Need for Cognition on Relevance Assessments*, School of Library and Information Science, University of Wisconsin-Milwaukee, September 19, 2013.
 - Invited Talk: *Charting the Turn: A Brief History of Interactive Information Retrieval*, School of Information Sciences, University of Tampere, Finland, August 30, 2013.
 - Invited Talk: *Development and Evaluation of Search Tasks with Varying Levels of Cognitive Complexity*, Finnish Information Retrieval Experts group, School of Information Sciences, University of Tampere, Finland, August 29, 2013.
 - Invited Talk: *Effects of Threshold Priming and Need for Cognition on Relevance Assessments*, School of Library and Information Science, Indiana University, April 26, 2013.
 - Keynote: *Contours and Convergence: Past, Present and Future (Interactive) Information Retrieval Research Practice*, Keynote Address, European Conference on Information Retrieval (ECIR), Moscow, Russia, March 26, 2013.
 - Invited Talk: *Understanding how Search Interfaces affect Behavior*, National Institute of Informatics, Tokyo, Japan, October 15, 2012.
 - Invited Talk: *Models of Search Behavior*, Whole-Session Evaluation of Interactive Information Retrieval Systems Workshop, Shonan Village Center, Japan, October 10, 2012.
 - Keynote: *Cognitive Consequences of Search*, Keynote Address, Information Interaction in Context (IliX) Conference, Nijmegen, The Netherlands, August 23, 2012.
 - Panelist: SIGIR 2012, Search user study expert. Portland, OR, August 15, 2012.
 - Invited Talk: *Overview of Web Analytics*, Lecture presented at the iSchool Inclusion Institute of Information Science ([HTTP://WWW.ISCHOOL-INCLUSION.ORG/INDEX.HTML](http://www.ischool-inclusion.org/index.html)), U. of Pittsburgh, PA, June 25, 2012.
 - Invited Talk: *Use of Query Suggestions during Interactive Information Search*, SAS, Cary, NC, March 09, 2012.
 - Invited Talk: *Rage against the Machine Learning*, Strategic Workshop on Information Retrieval at Lorne (SWIRL II), Lorne, Australia, February 14-17, 2012.
 - Invited Talk: *We have a Suggestion for You: Understanding Query Suggestion in Information Search*, School of Information Sciences, iSchool Colloquium Series, University of Pittsburgh, Pittsburgh, PA, October 21, 2011.
 - Invited Talk: *Getting Started: Research Questions*, UNC Library Scholarly Communications Working Group, October 06, 2010.
 - Panelist: Perspectives on adaptivity in information retrieval interaction. *American Society for Information Science and Technology Conference (ASIST 2010)*, Pittsburgh, PA.
 - Invited Talk: *Relevance Feedback for the Modern Searcher: Elicitation Techniques Revisited*, Workshop "Interactive Information Access: Untangling Tasks and Technologies" CWI Amsterdam, The Netherlands, December 7th, 2010.
 - Keynote: *Suspension of Disbelief in Interactive Information Retrieval Evaluation*, Keynote presentation at the *Workshop on Contextual Information Access, Seeking and*

- Retrieval Evaluation at the European Conference on Information Retrieval (ECIR), Toulouse, France, April 06, 2009.*
- Invited Talk: *An Examination of Different Delivery Modes for Interactive IR Studies*, Schloss Dagstuhl Seminar in Interactive Information Retrieval, Saarbrücken, Germany, March 03, 2009.
 - Invited Talk: *Developing and Evaluating a Query Recommendation Feature to Assist Users with Online Information Seeking and Retrieval*, Association for Library and Information Science Education Conference, January 23, 2009.
 - Panelist: *Information Interaction: Problems & Challenges* (Panelist), *Second Information Interaction in Context Symposium (IiX)*, London, UK, October 16, 2008.
 - Keynote: *Query through Selection: Modeling and Facilitating Information Seeking Behavior in Mobile Environments* (Keynote Speaker), Joint HCSNet-EII Workshop on Interactive and Ubiquitous Information Access, Sydney, Australia, May 16-17, 2008.
 - Invited Talk: *Three Types of Feedback in Interactive Information Retrieval*, CSIRO/National University of Australia, Canberra, Australia, May 21, 2008.
 - Invited Talk: *Three Types of Feedback in Interactive Information Retrieval*, RMIT University, Melbourne, Australia, May 23, 2008.
 - Invited Talk: *Interactive Information Retrieval: Bringing Together People, Information and Disciplines*. Presented at the School of Information, University of Michigan, April 11, 2008.
 - Invited Talk: *Relevance Feedback: Getting to Know Your User*. Presented at Google, Mountain View, CA, February 29, 2008.
 - Invited Talk: *Personalizing Information Search: Understanding Users and their Interests*. Presented as part of UCLA's Institute for Pure and Applied Mathematics workshop series on *Dynamic Searches and Knowledge Building*, October 03, 2007.
 - Invited Talk: *What do we want to know?* Panel Presentation at the *Workshop on Web Information Seeking and Interaction at the 30th Annual ACM International Conference on Research and Development in Information Retrieval (SIGIR '07)*, Amsterdam, The Netherlands.
 - Invited Talk: *Understanding Implicit Feedback: Behaviors, Context and Relevance*. Presentation made at the *Association of Library and Information Science Education Conference, January 2006*.
 - Invited Talk: *Understanding Implicit Feedback: Behaviors, Context and Relevance*. College of Information Studies Research Seminar Series, University of Maryland, November 15, 2005.
 - Invited Talk: *Understanding Implicit Feedback: Behaviors, Context and Relevance*. Computer Science Department Seminar Series, Virginia Tech, October 07, 2005.
 - Invited Talk: *Longitudinal, Naturalistic Study of Information Search and Use Behavior as Implicit Feedback for User Model Construction and Maintenance*, Language Technologies Institute (LTI) Seminar Series, Carnegie Mellon University, March 14, 2003.

TEACHING

Awards

- 2009 ASIST/Thomson Reuters Outstanding Information Science Teacher Award
- 2006-2007 SILS Outstanding Teacher of the Year Award (nominated for five consecutive years between 2012 and 2016)

Courses Taught: University of Tennessee

- INSC 599 Practicum
- INSC 510 Information Environment
- INSC 310 Information Seeking and Retrieval
- INSC 201 Introduction to Information Sciences

Courses Taught: University of North Carolina

- Undergraduate
 - Foundations of Information Science (INLS 101) (**Created Course**)
 - Web Search and Interaction (INLS 490-123) (**Created Course**)
 - Research Methods (Honors) (INLS 691H)
- Master's
 - Information Retrieval (INLS 509)
 - Research Methods Overview (INLS 581)
 - Internet Applications (INLS 572)
 - Research Methods (INLS 780)
- Ph.D.
 - Readings in Interactive Information Retrieval (INLS 696)
 - Research Issues and Questions II (INLS 882)
 - Research Colloquium (INLS 883)
 - Seminar in Research Methodology (INLS 884) (**Created Course**)
 - Teaching Practicum (INLS 886)
 - Seminar in Teaching and Academic Life (INLS 888)
 - Seminar in Teaching Practice (INLS 889)
- Mixed Master's and Ph.D.
 - Seminar in Interactive Information Retrieval (INLS 890) (**Created Course**)

Courses Taught: Rutgers University

- Multimedia Production (17:610:555) (Graduate)
- Internet Interfaces (17:610:559) (Graduate)
- Communication Research (04:192:300) (Undergraduate)
- Electronic Commerce (04:192:347) (Undergraduate)
- Library Research (Undergraduate)

Undergraduate Honors Thesis Supervised (UNC)

- Chen, Chingching. (2012). Time Management Practices of Student Users of Facebook.
- Sullivan, Marla. (2012). Building a Memory Palace in the Cloud: Instructional Technologies and the Method of Loci.
- Shoemake, Robert. (2009). PDA: Personal Digital Assistant or Personally Distracting and Addicting?
- Foley, Alexander. (2008). The Place of Wikipedia in Academia.

Undergraduate Honors Thesis Committee Membership (UNC)

- Hii, Kimberly (2016). Investigating the Effect of Familiarity with Target Document on Retrieval Success in Group Information Repositories.
- Perks, Kristian. (2016). Cross-cultural Usability for Product Customization on the Web.
- Hays, Brittany. (2012). The Social #ausopen: An Analysis of Twitter Use during Sporting Events.
- Sams, Elizabeth. (2011). Self-Initiated versus Imposed Queries in Collaborative Search.

Master's Thesis Committee Member (UTK)

- Shumate, S. (2019). A study of database migration: Understanding the user experience.

Master's ePortfolio Committee Member (UTK)

- Clement, K. (2018)
- Esterwood, C. (2018)

Master's Papers Supervised (UNC)

Fall 2015

- Hale, M. (MSIS). Searching for art records: A log analysis of the Ackland Art Museum's Collection Search System. [**Dean's Achievement Award**]
- Turpin, L. (MSIS). Vertical Search Behavior and Preference Of Users With Different Visual Memory And Perceptual Speed Abilities.

Spring 2014

- Fan, L. (MSIS). Investigating How the Query Suggestions of Two Search Engines Change Over Time.

Spring 2013

- Klipfel, K. M. (MSLS). Authentic Engagement: Assessing the effects of Authenticity on Student Engagement and Information Literacy in Academic Library Instruction. [**Dean's Achievement Award**]
- Miller, O. L. (MSLS). The Information Behavior of Video Game Design

Undergraduates.

- Zelko, H. (MSIS). Reasoning about Relevance. [**Dean's Achievement Award; ASIST Pratt Severn Award for Best Student Paper**]

Spring 2012

- Bankston, Sarah (MSLS). Toward a More Effective Online Library Tutorial: An Experimental Study of UNC Libraries' Introduction to Library Research Tutorial.

Spring 2011

- Caudle, Rebecca (MSLS). International Students' Perception and Use of the Library at North Carolina State University.
- Cepeda, Brenda (MSIS). Evaluating the Acceptance and Use of Electronic Medical Records at a Student-Run Free Clinic.
- Hoskins, Hansi (MSLS). A Server-side User Study of the UNC-Chapel Hill's 19th Century American Sheet Music Collection Database.
- Hunter, Laurie (MSLS). A Trend Analysis of the Journalist Mathematical Analysis and Application, 1960-2010.
- Mack, Adam (MSIS). The Power of Suggestion: An Evaluation of the Positive Effects of Source and Position on the Use of Query Suggestions.
- Meadows, Isaac (MSIS). Graphical v. Command User Interfaces: An Exploratory Study of Undergraduate Degree Students' OPAC Interface Preferences.
- Pittle, Shira (MSLS). Towards a Set of Core Competencies for Museum Librarianship.

Spring 2010

- Dostert, Maureen (MSIS). To What Extent Does Domain Knowledge Influence Search Stopping Behavior?
- Thomas, Matthew (MSIS). Stakeholder Perceptions of Drupal Project Success.
- Todorinova, Lily (MSLS). Writing Center and Library Collaboration: A Telephone Survey of Academic Libraries.
- Walters, Emily (MSLS). Usability Studies of Online Finding Aids: A Content Analysis of Literature, 1998-2008.
- Weber, Jessica (MSIS). The use of Twitter in Everyday Life Information Seeking.

Fall 2009

- Harrison, L. (MSIS). Understanding the Collaborative Information Seeking Practices of Undergraduate Students.
- Koster, D. (MSLS). "A Lifetime of Enjoyment": User Knowledge of Best Practices for Handling and Storage of Optical Digital Media.

Summer 2009

- Richardson, Kyle. (MSIS). Academic Chemists' Use of Laboratory Notebooks and Other Information Management Tools.

Spring 2009

- Koopmans, Heather. (MSLS). Use of the Web by Visual Artists.
- Shanley, Caitlin. (MSLS). Assessing Credibility in Online Abortion Information.

Spring 2008

- Bailey, Earl. (MSIS). A Comparison of Retrieval Strategies between High Performers and Low Performers of an Experimental IR System.
- Castaldo, Jennifer. (MSLS). Marketing Electronic Resources from the Academic Library Homepage.
- Grabarek-Matthews, Marion. (MSLS). Exploring Academic Reference Librarians' Familiarity With, Attitudes Toward, and Use of Open Access Resources.
- Herzog, Elizabeth. (MSLS). Marketing the Digital Divide: Case Studies of Two Telecenters in Thailand.
- Hughes, Annie. (MSLS). Publication Behaviors of the Signers of the Public Library of Science (PLoS) "Open Letter to Scientific Publishers".
- Rodriguez, Marcos. (MSIS). Knowledge Discovery in a Review of Monograph Acquisitions at an Academic Health Sciences Library.
- Sipes, Jacqueline. (MSLS). Humanities Graduate Students' Use of Library Instructional Resources.

Fall 2007

- Shoede, Janhavi. (MSIS). A Usability Study of Chapel Hill Transit and Triangle Transit Authority Websites.

Spring 2006

- Chakraborty, Sayan. (MSIS). Mobile Phone Usage Patterns amongst University Students: A Comparative Study between India and USA.
- Chike, Diana. (MSLS). A Study of the Information and Service Needs of Adults with Intellectual Disabilities and How Public Libraries Meet These Needs.
- Metz, Rosalyn. (MSLS). Conducting Online Research: Undergraduate Preferences of Sources.
- Petit, Joan. (MSLS). A Usability Study of Flash Tutorials for Library Instruction.
- Tanner, Jillian. (MSLS). Patron Term Selection in Online Literature Searches at the EPA.

Fall 2005

- Eisenman, Halle. (MSLS). A Study of the Services and Equipment Provided to Physically Disabled Patrons at the University of North Carolina at Chapel Hill Libraries.

Spring 2005

- Berahzer, Damien. (MSIS). Scroll Placement and Handedness.
- Phinney, Scott. (MSLS). "Can't I Just Listen to that Online?" Evaluating Electronic

Access to Audio for Music Libraries. Fall 2004

- Bollinger, Jeffrey. (MSIS). Choosing Secure Remote Access Technologies.
- Farrell, Rachel. (MSIS). An Analysis of Feedback Provided by Buyers in an Online Setting.

Ph.D. Advisees/Dissertations Chaired

Completed (UNC)

- Brennan, Kathy (2018). Cognitive Ability and Relevance Behavior in Financial Information.
- Bailey, Earl (2017). Measuring Search Expertise.
- Edwards, Ashlee (2016). Engaged or Frustrated? Disambiguating Engagement and Frustration in Search. **ASIST Best Dissertation Award Honorable Mention**
- Wu, Wan-ching (2014). Using Need for Cognition and Information Scent to Model Search Stopping Behavior.
- Sheble, Laura (2014). Diffusion of Meta-Analysis, Systematic Review, and Related Research Synthesis Methods: Patterns, Contexts and Impact. **iSchools Best Dissertation Award Honorable Mention**
- Cushing, Amber. (2012). Possessions and Self-Extension in Digital Environments: Implications for Maintaining Personal Information.

Dissertation Committees (Member)

Completed (UNC)

- Crescenszi, Anita. (2020). Adaptation in Information Search and Decision-making under Time Pressure.
- Patillo, Ericka. (2019). The Middle Manager Role in Academic Libraries.
- Bartel, Jacob. (2015). Recommendations to Ease a User's Effort in Scalable Sharing. (UNC Computer Science Department).
- Carter, Jason. (2014). Predicting Difficulty in Programming Tasks. (UNC Computer Science Department).
- Ryan, Heather. (2014). Who's Afraid of File Format Obsolescence? Evaluating File Format Endangerment Levels and Factors for the Creation of a File Format Endangerment Index.
- Velasco-Martin, Javier. (2013). Exploring Self-Disclosure in Online Social Networks. (Comprehensive exam and proposal only)
- Marcial, Laura. (2012). Moving Beyond the Desktop: Searching for Information with Limited Display Size.
- Portnoy, Felix. (2012). Avoiding Ad Avoidance: Factors Affecting the Perception of Online Banner Ads.
- Ke, Weimao. (2010). Scalability and Findability: Toward Collective Intelligence for Information Retrieval in Distributed Networked Environments.
- Shah, Chirag. (2010) Design and Implementation of a User-centric Collaborative Information Seeking System.
- Gyllstrom, Karl. (2009). Enriching Personal Information Management through Document Histories. (UNC Computer Science Department)
- Sugimoto, Cassidy. (2009). Mentoring, Collaboration, and Interdisciplinarity: A Study of the Doctoral Dissertation Process in Information and Library Science.

- Zhang, Yan. (2009). People's Construction of Mental Models of an Information-rich Web Space
- Fu, Xin. (2007). Evaluating the Sources of Implicit Feedback for Web Search.

Outside Member or External Reader

- Wang, Y. (2020). Authentic vs. Synthetic: A Comparison of Different Methods for Studying Task-Based Information Seeking. Rutgers University. Advisor: Chirag Shah.
- Aghili, O. (2018). Journalists' information seeking and behaviour on social media. Royal Melbourne Institute of Technology (RMIT). Advisor: Mark Sanderson.
- Saastamoinen, M. (2016). Information searching in authentic work tasks: A field study on the effects of task type and complexity. University of Tampere Finland. Advisor: Kal Jarvelin.
- Schuth, A. (2016). Search Engines that Learn from their Users. University of Amsterdam. Advisor: Maarten de Rijke.
- Jiang, J. (2016). Ephemeral State of Relevance and User Activities in a Search Session. University of Pittsburgh. Advisor: Daqing He.
- Maidel, V. (2014). Searching as Thinking: The Role of Cues in Query Reformulation. Syracuse University. Advisor: Elizabeth Liddy.
- Kim, J. (2014). Eye-tracking analysis of user behavior and performance in Web search on large and small screens. Australian National University. Advisor: Paul Thomas.
- Bron, M. (2013). Exploration and Contextualization through Interaction and Concepts. University of Amsterdam. Advisor: Maarten de Rijke.
- Joo, S. (2013). Evaluating IR System Support for Search Tactics during the IR Process in Digital Libraries: A Multi-Tiered Interactive Information Retrieval Evaluation Framework. University of Wisconsin-Milwaukee. Advisor: Iris Xie.
- Liu, Chang. (2012). Personalizing Information Retrieval using Interaction Behaviors in Search Sessions in Different Type of Tasks. Rutgers University, New Brunswick, NJ. Advisor: Nicholas J. Belkin.
- Jones, Timothy. (2011). Ideal Spam Nullification: Understanding the Impact of Web Spam. Australian National University, Canberra, Australia. Advisor: David Hawking.
- Kim, Yong-Mi. (2011). The Use of Social Tags in Text and Image Searching on the Web. University of Michigan, Ann Arbor, MI. Advisor: Soo Young Rieh
- Amin, Alia. (2010). Understanding and supporting information seeking tasks in multiple sources. CWI, University of Amsterdam, The Netherlands. Advisor: Lynda Hardman.
- Liu, Jingjing. (2010). Personalizing Information Using Task Stage, Topic Knowledge and Task Product. Rutgers University, New Brunswick, NJ. Advisor: Nicholas J. Belkin.

GRANTS AND GIFTS

The Impact of Including Images with Assigned Search Tasks on User Engagement and Motivation in Interactive Information Retrieval Laboratory Experiments

CCI Dean's Summer Research Fund, UTK, \$1,500

Marie Curie Training Network, *Innovative Training Networks: Domain Specific Systems for Information Extraction and Retrieval*, with researchers from multiple universities in Europe, (UTK SIS is a partner organization that hosts PhD students)

FX PALO ALTO LABORATORY, INC.: EVALUATION OF QUERIUM

Unrestricted Gift, \$10,000

Co-Investigator with Rob Capra, SILS, UNC, 2013

NSF WORKSHOP: TASK-BASED INFORMATION SEARCH SYSTEMS

National Science Foundation, CISE, \$49,996

Co-Investigator with Jaime Arguello and Rob Capra, SILS, UNC, 2013

DEVELOPING AND EVALUATING A QUERY RECOMMENDATION FEATURE TO ASSIST USERS WITH ONLINE INFORMATION SEEKING AND RETRIEVAL

OCLC/ALISE Library and Information Science Grant, \$15,000, 2008

AN INTERFACE TO SUPPORT FACET-BASED INFORMATION SEEKING AND RETRIEVAL

UNC Junior Faculty Award, \$7,500, 2006

AN INVESTIGATION OF EVALUATION METHODS AND METRICS FOR ANALYTIC QUESTION ANSWERING SYSTEMS

Advanced Research and Development Activity Challenge Workshop, \$500,000

Emile Morse & Jean Scholtz, NIST, Co-PIs

Metrics Consultant, May 2004 - August 2004

SERVICE

Professional Organization Leadership

American Library Association

- Committee on Accreditation, ALISE representative, 2020 - present

iSchools Organization

- Chair Elect, 2020 - present
- Board of Directors, 2018 - 2020

ACM Special Interest Group on Information Retrieval Conference (SIGIR)

- ACM Digital Library Committee, 2019 - present
- Past Chair, Executive Committee, 2019 - present
- Chair, Executive Committee, 2016-2019
- Treasurer, Executive Committee, 2013-2016

BOOK/JOURNAL EDITORIAL SERVICE

Co-Editor-in-Chief

- *Foundations and Trends in Information Retrieval*, 2019-
- *SIGIR FORUM*, 2007-2012

Editorial Board Membership

- *ACM Transactions on Information Systems (TOIS)*, Associate Editor, 2015-
- Springer's Book Series on *Information Retrieval*, 2014 -
- *Foundations and Trends in Information Retrieval*, 2014-2019
- *Aslib Journal of Information Management*, 2011 -
- *Journal of Information Retrieval*, 2007 -
- *Information Processing & Management*, 2004 -

CONFERENCE PROGRAM COMMITTEE MEMBERSHIP

- *ACM Special Interest Group on Information Retrieval Conference (SIGIR)*
 - Conference Program Chair (Americas), 2013
 - Senior Program Committee Member, 2007, 2008, 2011, 2012, 2015 - 2020
 - Paper Mentor, 2010
 - Workshop Chair, 2009, 2015
 - Doctorial Consortium Member, 2009 - 2011, 2015, 2018, 2019
 - Posters Co-Chair, 2005
 - Paper/Poster Reviewer, 2003-2015
- *Conference on Information Interaction and Retrieval (CHIIR)*
 - Senior Program Committee Member, 2017 - 2020
 - Conference General Co-Chair, 2016
 - Doctorial Consortium Member, 2016 - 2019
- *Association of Library and Information Science Education (ALISE)*
 - Conference General Co-Chair, 2019
- *Text Retrieval Conference (TREC) Program Committee*, 2012-2019
- *International Conference on the Theory of Information Retrieval (ICTIR)*
 - Area Chair, 2017
 - Program Committee, 2013, 2015, 2016, 2018 - 2020
- *European Conference on Information Retrieval (ECIR)*
 - Senior Program Committee Member, 2018 - 2020
 - Workshop Co-Chair, 2019
 - Program Committee, 2008, 2009, 2014 - 2016
- *World Wide Web Conference (Web Conference)*
 - Senior Program Committee, 2015, 2020
 - Paper Reviewer, 2009, 2013, 2014
- *Information Interaction in Context Symposium (IiX)*
 - Conference Program Chair, 2010
 - Interactive IR Thematic Chair, 2008
 - Program Committee, 2006, 2012, 2014
 - Doctoral Forum Mentor, 2006, 2008, 2010, 2014
- *Conference of the American Society for Information Science and Technology (ASIST)*

- SIG USE Paper and Poster Awards Committee, 2013
 - ASIST Research Award Committee, 2012
 - Area Co-Chair, 2010
 - Paper and Poster Reviewer, 2002, 2005-2006, 2011, 2013-2020
- *Conference on Information and Knowledge Management (CIKM)*
 - Senior Reviewer, 2015, 2016
 - Proceedings Chair, 2008
 - IR Area Program Committee, 2006-2007
- *ACM Special Interest Group in Human-Computer Interaction Conference (SIGCHI)*
 - Associate Chair, 2011, 2012
 - Paper Reviewer, 2002, 2006, 2010, 2013, 2014
- *ACM Web Search and Data Mining Conference (WSDM)*
 - Workshops Chair, 2012
 - Paper Reviewer, 2010-2012
- *OAIR International Conference in the RIAO series*, Paper Reviewer, 2013
- *Asia Information Retrieval Societies Conference (AIRS)*, Paper Reviewer, 2013
- *ACM User Interface Software and Technology (UIST)*, Paper Reviewer, 2010
- *Joint Conference on Digital Libraries (JCDL)*
 - Program Committee Member, 2006- 2009
 - Panels Chair, 2007
 - Posters and Demos Co-Chair, 2005
- *Association for Computational Linguistics: Human Language Technologies Conference (NAACL-HLT)*
 - Student Research Workshop Program Committee, 2009
 - Publicity Co-Chair, 2008
- *ACM Conference on Computer Supported Cooperative Work (CSCW)*, Paper Reviewer, 2009
- *Graphics Interface Conference*, Paper Reviewer, 2006
- *Conference on Conceptions in Library and Information Science (CoLIS)*, Program Committee, 2005

WORKSHOP PROGRAM COMMITTEE MEMBERSHIP

- *1st International Workshop on Professional Search*, SIGIR 2018
- *1st International Workshop on Generalization in Information Retrieval: Can We Predict Performance in New Domains?* CIKM 2018
- *Supporting Search for Complex Tasks*, ECIR 2015
- *Living Labs for Information Retrieval Evaluation Workshop*, CIKM 2013
- *Task-based and Aggregated Search Workshop*, ECIR 2012
- *“Entertain me”*: *Supporting Complex Search Tasks*, SIGIR 2011
- *Evaluating Personal Search Workshop*, ECIR 2011
- *Human-Computer Information Retrieval*, 2007, 2008, 2010, 2012

- *Desktop Search Workshop: Understanding, Supporting and Evaluation Personal Data Search*, SIGIR 2010
- *Workshop on Accessible Search Systems*, SIGIR 2010
- *Workshop on Simulation of Interaction: Automated Evaluation of Interactive IR*, SIGIR 2010
- *Personal Information Management: PIM 2009*, ASIS&T 2009
- *Workshop on Web Search Result Summarization and Presentation*, WWW 2009
- *Contextual Information Access, Seeking and Retrieval Evaluation*, ECIR 2009
- *Workshop on Collaborative Information Retrieval*, JCDL 2008
- *Web Information Seeking and Interaction*, SIGIR 2007
- *Query Log Analysis: Social and Technological Challenges*, WWW2007
- *Evaluating Information Access*, NTCIR-6, 2007, 2008
- *Evaluating Exploratory Search Systems*, SIGIR 2006
- *Evaluating User Studies in Information Access*, CoLIS 2005

JOURNAL SPECIAL ISSUE EDITOR

- Special Issue of *Journal of Information Retrieval* on Evaluation Methods in IR
- Special Issue of *ACM Transactions on Information Systems* on Contextual Search and Recommendation

JOURNAL PAPER REVIEWER

- *International Journal of Human-Computer Interaction*
- *ACM Transactions on Information Systems*
- *ACM Transaction on the Web*
- *Journal of the American Society for Information Science & Technology*
- *Information Processing & Management*
- *Journal of Information Retrieval*
- *User Modeling and User-Adapted Interaction*
- *World Wide Web Journal*
- *New Review of Hypermedia and Multimedia*

SERVICE AT UNIVERSITY OF TENNESSEE

- CCI Faculty Diversity Taskforce, 2019 - present
- UTK Hunger Studies Taskforce, 2019 - present
- UTK Vice Chancellor for Research, Search Committee, 2018
- UTK Commission for Blacks, 2017-2018
- SIS Assessment and Awards Committee (Chair), 2017 - 2020
- CCI Social Media Week Planning Committee, 2017 - present
- CCI Diversity and Inclusion Committee, 2016 - present
- CCI Diversity and Inclusion Week Planning Committee, 2016 - present

SERVICE AT UNC-CHAPEL HILL

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

- UNC Graduate School Administrative Board, 2015-2016
- Office of Human Research Ethics, Behavioral IRB Member, 2005-2012
- Carolina Leadership Portfolio Program, Mentor, 2010-2011

SCHOOL OF INFORMATION AND LIBRARY SCIENCE

- SILS Administrative Board, 2014-2016
- Advisor, Doctoral Student Association, 2011-2016
- SILS Research and Doctoral Committee, 2004-2005; 2009-2010, 2014-2015, 2015-2016 (Chair)
- Faculty Search Committee, 2014-2015
- SILS Diversity Committee, 2013-2014
- SILS Faculty Salary Committee, 2006-2007; 2012-2015
- Faculty Search Committee (Lecturer Position), 2012
- SILS Undergraduate Committee, 2008-2009; 2011-2013 (Chair)
- Faculty Search Committee, 2010-2011 (Chair)
- Co-Organizer and Instructor of SILS IRB Workshops, 2006-2012
- SILS Master's Committee, 2007-2008
- SILS Personnel Committee, 2006-2007
- SILS Curriculum Committee, 2005-2006