Scott Paul Robertson

Curriculum Vitae
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Contact

University of Hawaiʻi at Mānoa   **Tel**: +1 808-956-3500
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Education
- Ph.D.   Yale University. Psychology with specialization in Cognitive Science
- M.A.   California State University, Fullerton. Psychology (Cognitive)
- B.A.   University of California, Irvine. Social Science

Professional Experience
- **University of Hawaiʻi at Mānoa,** Honolulu, HI   2007-present
  Professor, Information and Computer Sciences Department
  Chair of Department   2017-present
- **Drexel University,** Philadelphia, PA   2000-2007
  Associate Professor, College of Information Science and Technology
- **MediaOne,** Englewood, CO (U S West spinoff acquired by ATT, 2000) 1998-2000
  Member Technical Staff, MediaOne Labs, Broadband Innovation Group
- **U S WEST,** Boulder/Denver, CO (acquired by Qwest, 1998)   1994-1998
  o   Information Technologist, Corporate Library (Denver)
  o   Member Technical Staff, Advanced Technologies (Boulder)
- **IBM Thomas J. Watson Research Center,** Yorktown Heights, NY   1992-1994
  Research Staff Member, Computer Science Department
- **Rutgers University,** New Brunswick, NJ   1986-1992
  Assistant Professor, Psychology Department
- **The Catholic University of America,** Washington, DC   1983-1986
  Assistant Professor, Psychology Department

Research & Professional Interests
Sociotechnical systems; Social media and civic engagement; New media and learning; Digital government (e-Participation); Human-computer interaction and interaction design

Grants/Contracts
- **National Science Foundation**, Computer and Network Systems: *CISE Research Investigators Conference: Pacific Islands Regional CISE Aspiring Investigators Workshop*, $99,990, 2023-2024.
- **National Science Foundation**, Information and Intelligent Systems Division: *Human-Centered Computing: Social search and deliberation in digital political information and collaboration domains*, $948,537, 2011-2017.

- **National Science Foundation,** Information and Intelligent Systems Division: Cyber-Human Systems: *Workshop: Doctoral Consortium at the 2014 ACM International Conference on Collaboration Across Boundaries (CABS 21014)*, $23,408, 2014.
- **National Science Foundation**, Information and Intelligent Systems Division: *Digital deliberation: Searching and deciding about how to vote*, $400,000, 2005-2009.
- **Office of Naval Research**, Perceptual Sciences Program: *Goal and plan knowledge in software comprehension*, 1986-1990.
- **National Science Foundation**, Information Science Division, New Investigator Award: *Errors, explanation, and plan modification in cognitive skill learning*, $47,917, 1985-1987.

Professional Affiliations
- Association for Computing Machinery (elected Senior Member, 2009)
- ACM/SIGCHI
- American Psychological Society (elected Fellow, 1990)
- Digital Government Society

Professional Experience
- *Editorial and Boards*:
  - *ACM Transactions on Computer-Human Interaction*, Associate Editor (2005-2023)
  - *Information Polity,* Editorial Board (2016-2020)
  - *Interacting with Computers*, Member of the Special Editorial Board for Human Sciences (2000-2009)
  - Digital Government Society: Board member (2012-2017)
  - Hawaii Council for the Humanities: Board member (2013-2015)

Conference/Workshop Committees:
- **Association for Computing Machinery (ACM)**
  - Computer-Human Interaction (SIGCHI)
    - CHI 2024: Local Arrangements
    - CHI 2017: CHI Stories Chair, Early Career Workshop Mentor
    - CHI 2016: Program Committee, Associate Chair, Social Computing and CSCW
    - CHI 2010: Program Committee, Associate Chair, Interaction Beyond the Individual
    - CHI 1995: Conference Co-chair
      - Managed a $2M budget
      - Appointed all subcommittee chairs
      - Worked with a professional conference management team to plan all events
    - CHI 1991: Proceedings Chair
    - CHI 1990: Panels Committee
    - CHI 1988: Panels Committee Chair
    - CHI 1992-1993: Conference Planning Committee
    - CSCW 2016: Program Committee
    - CSCW 2004: Publications Chair
    - GROUP 2016: Program Committee
    - SIGCHI Information Director, 1995-1996
  - User Interface Science and Technology, UIST 2014: Local Arrangements Chair
  - Collaboration Across Boundaries, CABS 2014: Doctoral Consortium Co-Chair
  - ACM/IEEE Joint Conference on Digital Libraries, July 2002: Program Committee for the "Visual Interfaces to Digital Libraries" workshop

- **ACM Conference on Collaboration Across Boundaries (CABS):** 2014 Doctoral Consortium Chair
- **Consortium for the Science of Sociotechnical Systems (CSST):** 2015 Summer Research Institute Mentor
- **Communities & Technologies (C&T):** Program Committee, 2009, 2011, 2013
- **Digital Government Society (DGS):**
  o 2012-2017: Board member
  o 2014: Conference co-chair
  o 2010-present: Conference Program Committee Member
- **EPIC 2018:** Ethnographers in Industry Conference Co-chair.
- **Hawaii International Conference on Systems Science (HICSS)**
  o 2008-present: Open and Participatory Government minitrack co-chair
  o 2011-2012: E-Government Symposium lead team member
- **ICEGOV:** Program Committee, 2010-2015
- **National Academy of Sciences:** Computer Science and Telecommunications Board: Electronic Voting Project participant (2004)
- **American Association for the Advancement of Science**
  o 2006: Invited participant, Workshop on "Research on the U.S. Voting System: Matching Needs with Knowledge," Scientific Freedom, Responsibility and Law Program, (Washington, DC)
  o 2004: Invited participant, Workshop on "Developing a Research Agenda for Electronic Voting Technologies," Scientific Freedom, Responsibility and Law Program, (Washington, DC)
  o 1984: Symposium organizer, "Cognition, computing, and interaction: Human-computer systems," (New York)
- **Human-Computer Interaction Consortium:**
  o Drexel University Representative to the Governing Board, 2001-2007
  o U S WEST Representative to the Governing Board, 1994-1998
- **IBM:** Workshop co-organizer, "Object-oriented design education," 6th IBM Conference on Object-Oriented Software Development, 1993 (Toronto)
- **Empirical Studies of Programmers:** Conference Co-chair, Fourth Workshop on Empirical Studies of Programmers, 1991 (New Brunswick, NJ)
- **Human Factors Society:** Symposium organizer, "Information processing approaches to the study of human-computer interaction," 1985 (Baltimore, MD)

Teaching Experience
- **Graduate**: Human-Computer Interaction, HCI Design Methods, Statistics, Hypermedia, Digital Government, Computational Models of Cognition, Learning and Memory, Natural Language Processing, Skill and Knowledge Acquisition
- **Undergraduate**: Introduction to Computer Science I and II (using Java), Introduction to Information Systems, Human-Computer Interaction, Cognitive Science, Research Methods, Statistics, Introductory Psychology, Applied Psychology, Memory and Attention, Natural Language Processing, Psychology of Language, Principles of Human Cognition

Refereed Journal Articles
J1. Robertson, S.P., Semaan, B.C., Douglas, S., & Maruyama, M. (2016). Social media mixed with news in political candidate judgment: Order effects on knowledge and affect. *Information Polity, 21 (4),* 347-365. DOI =10.3233/IP-160388

J2. Douglas, S., Raine, R.B., Maruyama, M., Semaan, B., & Robertson, S.P. (2015). Community matters: How young adults use Facebook to evaluate political candidates. *Information Polity 20 (2,3)*, 135-150. DOI=10.3233/IP-150362

J3. Robertson, S.P., Douglas, S., Maruyama, M., & Semaan, B. (2013). Political discourse on social networking sites: Sentiment, in-group/out-group orientation, and rationality. *Information Polity, 18 (2)*, 107-126. DOI=10.3233/IP-130303

J4. Robertson, S., & Vatrapu, R. (2010). Digital government. *Annual Review of Information Science and Technology, 44 (1),* 317-364.

J5. Robertson, S.P., Vatrapu, R.K. & Medina, R. (2010). Off the wall political discourse: Facebook use in the 2008 U.S. presidential election. *Information Polity, 15 (1-2)*, 11-31.

J6. Robertson, S.P., Vatrapu, R.K. & Medina, R. (2010). Online video "friends" social networking. Overlapping online public spheres in the 2008 U.S. presidential election. *Journal of Information Technology & Politics, 7 (2-3),* 182-201.

J7. Vatrapu, R., Robertson, S., & Dissanayake, W. (2008). Are political weblogs public spheres or partisan spheres? *International Reports on Socio-Informatics, 5(1),* 7-26.

J8. Robertson, S.P. (2005). Voter-centered design: Toward a voter decision support system. *ACM Transactions on Computer-Human Interaction, 12(2)*, June, 263-292.

J9. Robertson, S. (2002). A tale of two knowledge-sharing systems. *Journal of Knowledge Management, 6(3)*, 295-308. [PDF 484KB]

J10. Mann, B.D., Eidelson, B.M., Fukuchi, S.G., Nissman, S.A., Robertson, S. and Jardines, L. (2002). The development of an interactive game-based tool for learning surgical management algorithms via computer. *The American Journal of Surgery, 183*, 305-308.

J11. Robertson, S., & Reese, K. (1999). A virtual library for building community and sharing knowledge. *International Journal of Human-Computer Studies, 51*, 663-685.

J12. Carroll, J., Mack, R., Robertson, S.P., & Rosson, M.B. (1994). Binding objects to scenarios of use . *International Journal of Human-Computer Studies, 41*, 243-276.

J13. Robertson, S.P. (1994). TSUNAMI: Simultaneous understanding, answering, and memory interaction for questions. *Cognitive Science, 18*, 51-85.

J14. Robertson, S.P., Weber, K., Ullman, J., & Mehta, A. (1993). Parallel question parsing and memory retrieval. *Journal of Memory and Language, 32*, 155-168.

J15. Robertson, S.P. (1990). Knowledge representations used by computer programmers. *Journal of the Washington Academy of Sciences, 80*, 116-137.

J16. Robertson, S.P., & Yu, C.C. (1990). Common cognitive representations of program code across tasks and languages. *International Journal of Man-Machine Studies, 33*, 343-360.

J17. Robertson, S.P., & Swartz, M. (1986). Why do we ask ourselves questions? *Questioning Exchange, 2*, 47-51.

J18. Robertson, S.P., & Black, J.B. (1986). Structure and development of plans in computer text editing. *Human-Computer Interaction, 2*, 201-226.

J19. Carroll, J.M., Mack, R.L., Lewis, C.H., Grischkowsky, N.L., & Robertson, S.P. (1985). Exploring exploring a word processor. *Human-Computer Interaction, 1*, 283-307.

J20. Seifert, C.M., Robertson, S.P., & Black, J.B. (1985). Types of inferences generated during reading. *Journal of Memory and Language, 24*, 405-422.

J21. Robertson, S.P. (1983). Probing the mind: The interface of computers with psychology. *Yale Scientific, 55*, Spring, 24-27.

J22. Graesser, A.C., Robertson, S.P., & Anderson, P.A. (1981). Incorporating inferences into narrative representations: A study of how and why. *Cognitive Psychology, 13*, 1-26.

J23. Robertson, S.P., Black, J.B., & Johnson, P.N. (1981). Intention and topic in conversation. *Cognition and Brain Theory, 4*, 303-326.

J24. Graesser, A.C., Robertson, S.P., Lovelace, E.R., & Swinehart, D.M. (1980). Answers to why-questions expose the organization of story plot and predict recall of actions. *Journal of Verbal Learning and Verbal Behavior, 19*, 110-119.

J25. Graesser, A.C., Higgenbotham, M.W., Robertson, S.P., & Smith, W.R. (1978). A natural inquiry into the National Inquirer: Self-induced versus task-induced reading comprehension. *Discourse Processes, 1*, 355-372.

J26. Beck, H., Matson, D., Baker, E., & Robertson, S. (1979). Biobehavioral analysis of tension headaches: An interactional hypothesis. *Journal of Social and Biological Structures, 2(3)*, 177-196. doi:10.1016/0140-1750(79)90026-5

J27. Robertson, S.P. (1978). Variations in personal space as a function of sex and the indicated status of a standardized stimulus. *UCI Journal of Undergraduate Research, 1*, 63-77.

Refereed Conference Proceedings

P1. Kirshenbaum, N., & Robertson, S. (2018). Define, refine, and identify events in a bendable interface. *Proceedings of the 2018 ACM International Conference on Interactive Surfaces and Spaces (ISS'18),* ACM, New York, NY, USA, 345-350. DOI= 10.1145/3279778.3281461

P2. Kirshenbaum, N., & Robertson, S. (2018). PEPA Deck: Bringing interactivity to playing cards. *CHI Play Extended Abstracts. Proceedings of the 2018 Annual Symposium on Computer-Human Interaction in Play*, ACM, New York, NY, USA, 479-486. DOI= 10.1145/3270316.3271521

P3. Maruyama, M., Robertson, S.P., Douglas, S., Raine, R., Semaan, B. (2017). "Social watching" a civic broadcast: Understanding the effects of positive feedback and other users' opinions. *Proceedings of the 20th ACM Conference on Computer Supported Cooperative Work (CSCW'17),* ACM, New York, NY, USA, 794-807. DOI= 10.1145/2998181.2998340

P4. Kirshenbaum, N. & Robertson, S. (2016). Set&Motion: Tool for Authoring Interactive Stories with Sensors and Actuators. In *Proceedings of the the 15th International Conference on Interaction Design and Children* (IDC '16). ACM, New York, NY, USA, 554-559. DOI=10.1145/2930674.2935988

P5. Semaan, B., Faucett, H., Robertson, S.P., Maruyama, M., & Douglas, S. (2015). Designing political deliberation environments to support interactions in the public sphere. *Proceedings of the 33rd Annual ACM Conference on Human Factors in Computing Systems (CHI'15)*. New York: ACM, 3167-3176. DOI=10.1145/2702123.2702403 **Best paper award.**

P6. Semaan, B., Faucett, H., Robertson, S.P., Maruyama, M., & Douglas, S. (2014). Navigating imagined audiences: Motivations for participating in the online public sphere. *Proceedings of the 18th ACM Conference on Computer Supported Cooperative Work (CSCW'14),* New York: ACM, 1158-1169. DOI=10.1145/2675133.2675187

P7. Douglas, S., Maruyama, M., Semaan, B, & Robertson, S.P. (2014). Politics and young adults: The effects of Facebook on candidate evaluation. *Proceedings of the 15th Annual International Conference on Digital Government Research*, New York: ACM, 10pp.

P8. Semaan, B., Robertson, S., Douglas, S., & Maruyama, M. (2014). Social media supporting political deliberation across multiple public spheres: Towards depolarization. *Proceedings of the 17th ACM Conference on Computer Supported Cooperative Work (CSCW'14),* New York: ACM, 1409-1421. DOI=10.1145/2531602.2531605

P9. Maruyama, M., Robertson, S., Douglas, S., Semaan, B., & Faucett, H. (2014). Hybrid media consumption: How tweeting during a televised political debate influences the vote decision. *Proceedings of the 17th ACM Conference on Computer Supported*

Cooperative Work & Social Computing (CSCW'14), New York: ACM, 1422-1432. DOI=10.1145/2531602.2531719

P10. Maruyama, M., Suthers, D.D., & Robertson, S.P. (2014). Characterizing communication networks associated with political hashtags. In *Proceedings of HICSS-47: Hawaii International Conference on System Sciences*. Washington, DC: IEEE Computer Society, 1546-1555. DOI=10.1109/HICSS.2014.199

P11. Maruyama, M., Douglas, S., & Robertson, S. (2013). Rebooting local government: Design teams as change agents in the open data movement. *Proceedings of HICSS-46: Hawaii International Conference on System Sciences*, Washington, DC: IEEE Computer Society, 1860-1869. DOI=10.1109/HICSS.2013.170

P12. Robertson, S.P., Semaan, B., Maruyama, M., & Douglas, S. (2013). Mixed media: Interactions of social and traditional media in political decision making. *Proceedings of HICSS-46: Hawaii International Conference on System Sciences*, Washington, DC: IEEE Computer Society, 2013-2022. DOI=10.1109/HICSS.2013.408

P13. Robertson, S.P., Douglas, S., Maruyama, M., & Chen, L. (2012). Political dialog evolution in a social network. *Proceedings of the 13th Annual International Conference on Digital Government Research:* New York: ACM, 40-48. **Best research paper award.**

P14. Robertson, S.P. (2011). Changes in referents and emotions over time in election-related social networking dialog. *Proceedings of HICSS-44: Hawaii International Conference on System Sciences*, IEEE Computer Society, (9pp).

P15. Vatrapu, R., & Robertson, S.P. (2010). An information foraging analysis of note taking and note sharing while browsing campaign information. *Proceedings of HICSS-43: Hawaii International Conference on System Sciences*. IEEE Computer Society, (10pp).

P16. Robertson, S.P., Vatrapu, R., & Abraham, G. (2009). Note taking and note sharing while browsing campaign information: Design tradeoffs between e-democracy and e-participation. *Proceedings of HICSS-42: Hawaii International Conference on System Sciences*, IEEE Computer Society, (10pp).

P17. Robertson, S.P., Vatrapu, R., & Medina, R. (2009). The social life of social networks: Facebook linkage patterns in the 2008 U.S. presidential election. *Proceedings of the 10th Annual International Conference on Digital Government Research. Social Networks: Making Connections between Citizens, Data and Government*, Digital Government Society of North America, 6-15.

P18. Robertson, S.P., Vatrapu, R., & Medina, R. (2009). YouTube and Facebook: Online video "friends" social networking. *Proceedings of the Conference on YouTube and the 2008 Election Cycle in the United States*, Amherst, MA.

P19. Vatrapu, R., & Robertson, S.P. (2009). Information foraging in e-Voting. *Extended Abstracts of CHI '09: Human Factors in Computing Systems*. New York: ACM Press.

P20. Robertson, S.P. (2008). Design research in digital government: A query prosthesis for voters. *Proceedings of the 2008 International Conference on Digital Government Research*, Digital Government Society of North America, 73-88.

P21. Robertson, S.P., Wania, C., & Abraham, G., & Park, S.J. (2008). Drop-down democracy: Internet portal design influences voters' search strategies. *Proceedings of HICSS-41: Hawaii International Conference on System Sciences*, IEEE Computer Society. (10pp).

P22. Robertson, S.P., Wania, C., & Park, S.J. (2007). An observational study of voters on the internet. *Proceedings of HICSS-40: Hawaii International Conference on System Sciences*, IEEE Computer Society. (10pp).

P23. Robertson, S.P. (2006). Digital deliberation: Searching and deciding about how to vote. *Proceedings of the 2006 International Conference on Digital Government Research*, Digital Government Society of North America, 95-96.

P24. Robertson, S.P., Achananuparp, P., Goldman, J., Park, S.J., Zhou, N., & Clare, M. (2005). Voting and political information gathering on paper and online. *Extended Abstracts of CHI '05: Human Factors in Computing Systems*. New York: ACM Press, 1753-1756.

P25. Carpenter, K., Nardi, B., Moore, J., Robertson, S., Drezner, D., Benson, I., Foot, K., & Jett, Q. (2004). Online political organizing: Lessons from the field. *Proceedings of CSCW 2004: ACM Conference on Computer Supported Cooperative Work*, New York: ACM Press, 59-62.

P26. Robertson, S., Jitan, S., & Reese, K. (1997). Web-based collaborative library research. *Proceedings of the Second ACM International Conference on Digital Libraries*. New York: ACM Press, 152-160.

P27. Robertson, S.P., Wharton, C., Ashworth. C., & Franzke, M. (1996). Dual device user interface design: PDAs and interactive television. *Proceedings of CHI 96: Human Factors in Computing Systems*, Reading, MA: Addison-Wesley, 79-86.

P28. Robertson, S.P., Carroll, J.M., Mack, R.L., Rosson, M.B., Alpert, S.R., Koenemann-Belliveau, J. (1994). ODE: A self-guided, scenario-based learning environment for object-oriented design priniciples. *Proceedings of OOPSLA '94: Object-Oriented Programming Systems, Languages, and Applications*. Reading, MA: Addison-Wesley, 51-64.

P29. Robertson, S.P., Ullman, J., & Mehta, A. (1992). Simultaneous question comprehension and answer retrieval. *Proceedings of the 14th Annual Meeting of the Cognitive Science Society*. Hillsdale, NJ: Erlbaum, 474-479.

P30. Koenemann, J. & Robertson, S.P. (1991). Expert problem solving strategies for program comprehension. *Proceedings of CHI '91: Human Factors in Computing Systems*. Reading, MA: Addison-Wesley, 125-130.

P31. Robertson, S.P., Davis, E.F., Okabe, K., & Fitz-Randolf, D. (1990). Program comprehension beyond the line. *Proceedings of INTERACT-90: Third IFIP Conference on Human-Computer Interaction*. Amsterdam: Elsevier Science Publishers, 959-963.

P32. Robertson, S.P., & Weber, K. (1990). Parallel processes during question answering? *Proceedings of the 12th Annual Meeting of the Cognitive Science Society*. Hillsdale, NJ: Erlbaum, 542-549.

P33. Robertson, S.P., Koizumi, D., & Marsella, S.C. (1988). Constraints on training: Informativeness and breadth in procedural skill learning. *Proceedings of the Human Factors Society 32nd Annual Meeting*. 1, 377-380.

P34. Yu, C.C., & Robertson, S.P. (1988). Plan-based representations of Pascal and FORTRAN code. *Proceedings of CHI '88: Human Factors in Computing Systems*. New York: ACM Press, 251-256.

P35. Robertson, S.P., & Swartz, M. (1987). Question asking during procedural learning: Strategies for acquiring knowledge in several domains. *Proceedings of the 9th Annual Meeting of the Cognitive Science Society*. Hillsdale, NJ: Erlbaum, 325-335.

P36. Howard, J.H., Shaw, R.J., Robertson, S.P., & Raver, J.A. (1985). User strategies in interactive image processing. Abstract in *Proceedings of the Human Factors Society 29th Annual Meeting*, 31-32.

P37. Robertson, S.P. (1985). Conceptual representation of error patterns as a model of procedural learning in text editing. *Proceedings of IEEE International Conference on Cybernetics and Society*. IEEE Computer Society, 357-361.

P38. Robertson, S.P. (1985). Learning from errors in computer text editing. Abstract in *Proceedings of the Human Factors Society 29th Annual Meeting*, 28-29.

P39. Robertson, S.P., & Black, J.B. (1983). Planning units in text-editing behavior. *Proceedings of CHI '83: Human Factors in Computing Systems*, New York: ACM Press, 217-221.

P40. Seifert, C.M., Robertson, S.P., & Black, J.B. (1982). On-line processing of pragmatic inferences. *Proceedings of the 4th Annual Meeting of the Cognitive Science Society*. Hillsdale, NJ: Erlbaum, 74-76.

Books Authored

B1. Robertson, S.P. (2018). *Social Media and Civic Engagement: History, Theory and Practice.* Synthesis Lectures on Human-Centered Informatics. Morgan & Claypool. DOI: 10.2200/S00836ED1V01Y201803HCI040

Books Edited

E1. Koenemann-Belliveau, J., Moher, T., & Robertson, S. (Eds.), (1991). *Empirical studies of programmers: Fourth Workshop*. Norwood, NJ: Ablex, 238pp.

E2. Robertson, S.P., Olson, G., & Olson, J. (Eds.), (1991). *Reaching through technology: CHI'91 Proceedings of the SIGCHI Conference on Human Factors in Computing Systems*. Reading, MA: Addison-Wesley, 513pp.

E3. Robertson, S.P., Zachary, W., & Black, J.B. (Eds.), (1990). *Cognition, computing, and cooperation*. Norwood, NJ: Ablex, 424pp.

Book Chapters

C1. Robertson, S. (2000). The digital city's public library: Support for community building and knowledge sharing. In T. Ishida & K. Isbister (Eds.), *Digital cities: Technologies, experiences, and future perspectives. Lecture Notes in Computer Science (vol 1765)*, Berlin: Springer-Verlag, 246-260.

C2. Robertson, S.P. (1995). Generating object-oriented design representations via scenario queries. In J. Carroll (Ed.), *Scenario-based design for human-computer interaction*. New York: John Wiley & Sons, 279-308.

C3. Riecken, D., Koenemann-Belliveau, J., & Robertson, S.P. (1991). What do expert programmers communicate by means of descriptive commenting? In J. Koenemann-Belliveau, T. Moher, & S. Robertson (Eds.). *Empirical studies of programmers: Fourth Workshop*. Norwood, NJ: Ablex, 177-193.

C4. Robertson, S.P., & Zachary, W. (1990). Outlines of a field of cooperative systems. In S. Robertson, W. Zachary, & J. Black (Eds.). *Cognition, computing, and cooperation*. Norwood, NJ: Ablex, 399-414.

C5. Zachary, W., & Robertson, S.P. (1990). Introduction to cognition, computation, and cooperation. In S. Robertson et al. (Eds), ibid, 1-21.

C6. Robertson, S.P. (1986). Conceptual structure, question answering processes, and the effects of misleading questions. In J. Galambos, R. Abelson, & J. Black (Eds). *Knowledge structures*. Hillsdale, NJ: Erlbaum, 145-183.

C7. Robertson, S.P., & Black, J.B. (1984). Planning units in text-editing behavior. In A Janda (Ed). *Human factors in computing systems*. Amsterdam: North Holland (reprint of Robertson & Black, 1983, ibid).

C8. Robertson, S.P., Black, J.B., & Lehnert, W.G. (1984). Misleading question effects as evidence for integrated question understanding and memory search. In A. Graesser & J. Black (Eds). *The psychology of questions*. Hillsdale, NJ: Erlbaum, 191-218.

C9. Graesser, A.C., Robertson, S.P., & Clark, L.F. (1983). Question answering: A method for exploring the on-line construction of prose representations. In J. Fine & R. Freedle (Eds). *Developmental issues in discourse*. Norwood, NJ: Ablex, 41-68.

C10. Lehnert, W.C., Robertson, S.P., & Black, J.B. (1983). Memory interactions during question answering. In H. Mandl, N. Stein, & T. Trabasso (Eds). *Comprehension and learning from text*. Hillsdale, NJ: Erlbaum, 355-377.

Unpublished Conference/Workshop Presentations

U1. Robertson, S. (2018). What Happened? Sociotech4Evil. NSF Workshop: Consortium for the Science of Sociotechnical Systems, Ann Arbor, MI.

U2. Robertson, S. (2011). Comparative analysis of web-based political dialog. Second International Workshop on Comparative Informatics (IWCI-2011), Copenhagen, Denmark, December.

U3. Robertson, S. (2010). A proposed culture by ICT-development matrix for digital government. First International Workshop on Comparative Informatics (IWCI-2010), Copenhagen, Denmark, August.

U4. Robertson, S., Vatrapu, R., & Medina, R. (2009). YouTube and Facebook: Online video "friends" social networking. University of Massachusetts Conference on YouTube and the 2008 Election Cycle in the United States, Amherst, MA, April.

U5. Faust, L., Jaeger, P. T., Jayanandhan, S. R. and Robertson, S. (2008). Civic engagement, youth, and community: The role of place, education, information, and technology in shaping civic and political discourse (SIG-KM). Proc. Am. Soc. Info. Sci. Tech., 45: 1–3. doi: 10.1002/meet.2008.1450450140

U6. Robertson, S., & Vatrapu, R. (2008). Towards voter-centered design: A demonstration of VotesBy.US. Interactive demonstration at NordiCHI 2008, Lund, Sweden, October.

U7. Vatrapu, R., Robertson, S., Dissanayake, W., & Jeedigunta, A. (2008). Political blogs as public spheres. DEMO-net Research Workshop: Empowerment and e-Participation in Civil Society: Local, National and International Implications. Örebto University, Sweden, May.

U8. Zhang, Q., Swain, D. E., Hawamdeh, S. and Robertson, S. (2006), Virtual communities and social networks: The impact of blogs and online community on social engagement. Proc. Am. Soc. Info. Sci. Tech., 43: 1–5. doi: 10.1002/meet.14504301139

U9. Robertson, S. (2005). I-schools and 21st century citizenship. The First i-Conference of the i-School Deans' Community. State College, PA, September.

U10. Robertson, S., Zhou, N., Park, S.J., Goldman, J., Achananuparp, P. (2005). Deciding on digital democracy: The psychology of electronic voting. American Psychological Society, Los Angeles, CA, April.

U11. Robertson, S. (2003). A user-centered approach to the design of electronic voting systems. Human Computer Interaction Consortium (HCIC), Fraser, CO, Feb.

U12. Robertson, S. (2002). Electronic voting in context: A collaborative ballot for digital government. Poster for CSCW-2002: ACM Conference on Computer Supported Collaborative Work. New Orleans, LA, November.

U13. Robertson, S. (2002). Electronic voting in context: Community and collaboration tools for democratic participation in digital government. "Boaster" at Human-Computer Interaction Consortium (HCIC), Fraser, CO, Feb.

U14. Robertson, S. (1999). The digital city's public library: Support for community building and knowledge sharing. 1999 Kyoto Meeting on Digital Cities. Kyoto, Japan, September.

U15. Robertson, S.P., Wharton, C., Ashworth, C., Franzke, M., Marics, M., & King, M. (1996). Designing multiple-device systems. Human-Computer Interaction Consortium (HCIC), Frasier, CO, Feb.

U16. Robertson, S.P. (1993). ODE: Object design environment for learning object-oriented design techniques. 6th IBM Conference on Object-Oriented Software Development. Toronto, July.

U17. Robertson, S.P. (1993). Generating object-oriented design representations via scenario queries. IBM workshop on use-oriented design representations. Chappaqua, NY, June.

U18. Robertson, S.P. (1993). A question of design. IFIP workshop on design rationale, held prior to InterCHI '93, Amsterdam, April.

U19. Robertson, S.P., & Davis, E.F. (1990). A problem-solving analysis of code comprehension. Poster for CHI'90: Conference on Human Factors in Computing Systems, Seattle, WA, August.

U20. Robertson, S.P., Davis, E., Okabe, K., & Fitz-Randolf, D. (1990). Program comprehension beyond the line. INTERACT-90: Third IFIP Conference on Human-Computer Interaction. Cambridge, U.K., August.

U21. Yu, C.C., & Robertson, S.P. (1989). A closer look at analogical problem solving. Eastern Psychological Association. Boston, MA, March.

U22. Robertson, S.P. (1988). Planning and task analysis for information systems. American Society for Information Science. Atlanta, GA, October.

U23. Robertson, S.P., Koizumi, D., & Marsella, S.C. (1988). Constraints on training: Informativeness and breadth in procedural skill learning. Human Factors Society. Anaheim, CA, October.

U24. Robertson, S.P., & Swartz, M. (1987). Question asking during procedural learning: Strategies for acquiring knowledge in several domains. Cognitive Science Society. Seattle, WA, July.

U25. Robertson, S.P., & Swartz, M. (1987). Questions reflect knowledge utilized during procedural learning. Second International Conference on Human-Computer Interaction. Honolulu, HI, August.

U26. Mauch, M., & Robertson, S.P. (1986). Belief schemata and the use of discrepant evidence in base rate estimation. American Psychological Association. Washington, DC, August.

U27. Robertson, S.P., & Bahri, T. (1986). The effect of questions on inferences during reading. Third Mid-Central Human Factors/Ergonomics Conference. Miami University, Oxford, Ohio, June.

U28. Robertson, S.P., & Swartz, M. (1986). Why do we ask ourselves questions? Third Annual Workshop on Theoretical Issues in Conceptual Information Processing. Philadelphia, PA, August.

U29. Howard, J.H., Shaw, R.J., Raver, J.A., & Robertson, S.P. (1985). User strategies in interactive image processing. Human Factors Society. Baltimore, MD, August.

U30. Robertson., S.P. (1985). Conceptual representation of error patterns as a model of procedural learning in text editing. IEEE International Conference on Cybernetics and Society. Tuscon, AZ, November.

U31. Robertson, S.P. (1985). Learning from errors in computer text editing. Human Factors Society. Baltimore, MD, August.

U32. Robertson, S.P. (1985). The POE project: A model of procedural learning from conceptual representation of error patterns. Second Annual Workshop on Theoretical Issues in Conceptual Information Processing. Yale University, New Haven, CT, August.

U33. Robertson, S.P., Black, J.B., Graesser, A.C., & Murray, K. (1984). Mapping schemata of computer environments and examining plan acquisition. American Association for the Advancement of Science. New York, May.

U34. Robertson, S.P., & Black, J.B. (1984). Planning units in computer text editing. American Educational Research Association. New Orleans, LA, April.

U35. Robertson, S.P., & Black, J.B. (1983). Planning units in text-editing behavior. CHI '83: ACM/SIGCHI Conference on Human Factors in Computing Systems. Boston, MA, December.

U36. Robertson, S.P., Black, J.B., & Lehnert, W.G. (1982). Leading questions affect inferences and memory for actions and states. American Psychological Association. Washington, DC, August.

U37. Robertson, S.P., Lehnert, W.G., & Black, J.B. (1982). Alterations in memory for text by leading questions. American Educational Research Association. New York, April.

U38. Seifert, C.M., Robertson, S.P., & Black, J.B. (1982). On-line processing of pragmatic inferences. Cognitive Science Society. Ann Arbor, MI, August.

U39. Black, J.B., Robertson, S.P., & Johnson, P.N. (1981). Understanding conversation. Psychonomic Society. Philadelphia, PA, August.

U40. Lehnert, W.G., Robertson, S.P., & Black, J.B. (1981). Memory interactions during question answering. German Institute for Continuing Studies. University of Tubingen, West Germany.

U41. Robertson, S.P., & Graesser, A.C. (1978). Story organization in memory. Western Psychological Association. San Francisco, CA.

Book Reviews and Interviews

R1. Robertson, S.P. (2012). Book review of C.S. King, *Government Is Us 2.0*. In *Information Polity, 17(2)*, 195-196.

R2. "How to apply knowledge management to a merger: Two case studies." Interview in *Knowledge Management Review, Vol. 3(4),* 2000, p. 32.

R3. "Knowledge Finders: Tools help companies locate specific information and employees with expertise." Quotes in article by Brian Riggs in *InformationWeek*, May 24, 1999.

R4. "U S WEST's web-based research request handling system." Interviewed by Howard McQueen in *Intranet Professional*, May/June 1998.

R5. "U S WEST's intranet democratizes knowledge." Interviewed in *Knowledge Inc.*, November 1997.

R6. Robertson, S.P. (1993). How are questions and information systems related? Book review of T. Lauer, E. Peacock, & A. Graesser (Eds.), *Questions and information systems*. In *Contemporary Psychology, 38*, 1094-1095.

R7. Robertson, S.P. (1990). Applications of cognitive science to human-computer interaction. Book review of J. Carroll (Ed). *Interfacing thought: Cognitive aspects of human-computer interaction*. In *Contemporary Psychology, 35*, 1132-1133.

R8. Robertson, S.P. (1989). Book review of L. Mark, J. Warm, & R. Huston (Eds). *Ergonomics and human factors: Recent research*. In *The American Journal of Psychology, 101*, 590-598.

Invited Talks

T1. Kristiana University College, "Sociotech4Evil: What happened? What can we do?" Oslo, Norway, December, 2018.

T2. Copenhagen Seminar on Computational Social Science, Copenhagen Business School, "The core of data science is human science." December, 2014.

T3. Electronic Voting Project workshop. National Academy of Sciences, Computer Science and Telecommunications Board, "User-centered interaction design for electronic voting systems." Washington, DC, July, 2004.

T4. Workshop on Developing a Research Agenda for Electronic Voting Technologies, American Association for the Advancement of Science, Scientific Freedom, Responsibility and Law Program, Washington, DC, Sep. 2004.

T5. PhiCHI: Philadelphia Chapter of the ACM Special Interest Group on Computer-Human Interaction. "Electronic voting: Beyond the ballot metaphor." Philadelphia, PA, Oct. 2004.

T6. IBM T.J. Watson Research Center. "Placing the ballot in context: A user-centered perspective on electronic voting." Hawthorn, NY, Mar. 2003.

T7. Human Factors & Ergonomics Society, South Jersey Chapter. Question answering and the web. FAA Research Development and Human Factors Lab, Atlantic City, NJ. June 2002.

T8. Institute for International Research, Braintrust 2000: Conference on Advancing Your Organization's Knowledge Management Practice. "Knowledge sharing and the corporate library." Scottsdale, AZ, January 2000.

T9. American Association of Law Librarians. "Collaboration and information sharing on your library's website." Washington, DC, July 1999.

T10. Telelearning '98: "Telelearning at work and in society: Virtual learning communities in the workplace" (panel). Vancouver, November 1998.

T11. International Quality and Productivity Center, Conference on Using Intranets for Effective Knowledge Management. "Knowledge sharing and communities of interest on the U S WEST intranet." San Francisco, November 1998.

T12. National Online. "Intranet case study: The U S WEST Library." New York, May 1998.

T13. Intranets for Knowledge Management conference. "Intranet case study: U S WEST's Global Village and Research Library." San Jose, CA, Sept. 1997.

T14. Special Libraries Association (SLA), Telecommunications Division. "Intranet case study: U S WEST and value-added information solutions." Seattle, WA, June, 1997.

T15. SUPERCOMM '97. "Intranet case study: U S WEST and value-added information solutions." New Orleans, LA, June, 1997.

T16. New York University. "Interactions between question parsing and answer retrieval." Cognitive Area Seminar, October 1992.

T17. Annual Text Conference. Jackson Hole, Wyoming. "Parallel processes in question answering?" Jan. 1991, 1992.

T18. Oakland University, Rochester, MI. "Self-directed questioning as a comprehension strategy." Workshop on question generation and application to information systems, June 1990.

T19. Princeton University, Princeton, NJ. "Question parsing and memory search in parallel." Princeton-Rutgers-Columbia Cognitive Science talks, March 1990.

T20. American Psychological Association Division 21 (Applied Experimental and Engineering Psychologists) meeting, Washington, DC. "What cognitive psychology has to say about programming interfaces." March 1990.

T21. Bell Communications Research (Bellcore) NAVESINK, Red Bank, NJ. "Question asking and answering." February 1990.

T22. Bell Communications Research (Bellcore), Morristown, NJ. "How guided should exploratory learning be?" September 1989.

T23. New Jersey Department of Higher Education. "Computer-based laboratories in human perception and cognition." Psychology Curriculum Enhancement Conference, New Brunswick, NJ, April 1989.

T24. Human Factors Society, Delaware Valley Chapter. "Knowledge utilized during procedural learning." November 1987.

T25. Columbia University, Teachers College, New York, NY. "Question asking during learning of a database system." January 1987.

T26. Army Research Institute, Washington, DC. "Plans and knowledge in skill acquisition." September 1986.

T27. Princeton University, Princeton, NJ. "Why do we ask ourselves questions? Question asking during procedural learning." Cognitive Science Speakers Series, September 1986.

T28. American Institutes of Research, Washington, DC. "Planning units in text-editing behavior." February 1984.

T29. Software Psychology Society, Washington, DC. Planning units in text-editing behavior. October 1983.

Patents Granted

- U.S. Patent No. 8,620,110: *Method and system for distributing digital images.* Dec. 31, 2013 (for Comcast).
  https://patents.google.com/patent/US8620110
- U.S. Patent No. 5,831,664: *Method and system for synchronizing data between at least one mobile interface device and an interactive terminal.* Nov. 3, 1998 (for MediaOne).
  https://patents.google.com/patent/US5831664

Media and Blog Activity

- PBS Hawaiʻi
  - Feb. 29, 2024, Artificial Intelligence: Embrace it or Fear It? PBS Hawaiʻi, Kākou: Hawaiʻi's Town Hall.
    https://www.pbshawaii.org/kakou-hawaiis-town-hall-artificial-intelligence-embrace-it-or-fear-it/
  - Sept. 29, 2011, The Digital Revolution. Insights with Dan Boylan.
    https://www.pbshawaii.org/ourproductions/insights_programs/insights20110929digital.htm
- Medium.com
  - Jan 14, 2018, Human Centered Design and the Missile False Alarm in Hawaii
    https://medium.com/@scottrob/human-centered-design-and-the-missile-false-alarm-in-hawaii-6b2d76ac2db
  - Mar 25, 2016, Tay's Bad Day: What Can We Learn from the First Viral Attack on a Social Learning Algorithm?
    https://medium.com/@scottrob/tay-s-bad-day-47e1713f67c4
  - Jul 9, 2014, Facebook's Going to Be OK, but Science Is Taking a Hit
    https://medium.com/@scottrob/facebooks-going-to-be-ok-but-science-is-taking-a-hit-fd512b250f3e
- Civil Beat
  - Apr 14, 2015, Mauna Kea Is a Special Place in Humanity's Quest for Knowledge
    http://www.civilbeat.org/2015/04/mauna-kea-is-a-special-place-in-humanitys-quest-for-knowledge/#.VS4GugkN7oI.twitter
  - Aug 8, 2011, Hawaii Students Have Trouble Seeing the Big Picture
    http://www.civilbeat.org/2011/08/12447-hawaii-students-have-trouble-seeing-the-big-picture/
- Bytemarks Café, Hawaii Public Radio
  - Feb 28, 2018, AT&T Hackathon,
    http://www.bytemarkscafe.org/2018/02/28/episode-496-art-world-escape-hvca-gala-awards-att-hackathon-feb-28-2018/
  - Jan 2, 2013, Hawaii International Conference on Systems Science,
    http://www.bytemarkscafe.org/2013/01/05/episode-229-hicss-jan-2-2013/
  - Sep 28, 2011, Social Media Influence,
    http://www.bytemarkscafe.org/2011/09/30/episode-163-social-media-influence-sept-28-2011/

- Other
  - July 27, 2017   *Changing Academic Life* podcast
    http://www.changingacademiclife.com/blog/2017/7/27/scott-robertson
  - Mar 8, 2017   *ThinkTech Hawaii*, Public affairs live streaming program
  - Aug 9, 2011   Our students' curriculum matters, *Hawaii Independent*
    https://thehawaiiindependent.com/story/comment-our-students-curriculum-matters