



# KEVIN R. PARKER

Informatics & Computer Science

## CONTACT DETAILS:

### Kevin R. Parker, Ph.D.

Department of Informatics & Computer Science  
Idaho State University  
921 S. 8th Avenue, Stop 8020  
Pocatello, ID 83209-8020

208.282.4783

[parkerkr@isu.edu](mailto:parkerkr@isu.edu)

<http://homepages.cob.isu.edu/parkerkr/ePortfolio/>

## PROFILE:

- Chair a transdisciplinary department housed in two colleges.
- Demonstrated effective leadership skills/experience.
- Earned doctorate in Information Systems with an M.S. in Computer Science.
- Record of excellence in scholarship, teaching, and service.
- Experience teaching and curriculum development at the graduate level.
- Sustained record of quality research/scholarship.
- Interdisciplinary teaching and/or research experience.
- Experience working with external constituencies.

## HIGHLIGHTS

- Interact with two deans and an eclectic faculty from multiple academic areas.
- Guided the genesis of our department through the strategic alliance of the most prominent computing-intensive majors, Computer Information Systems and Computer Science.
- Chaired several successful searches for multiple Computer Science, Business Informatics, and Health Informatics professors.
- Managed change in an academic environment through the implementation of new curriculum and educational programs, including guiding the evolution of Computer Information Systems into a Business Informatics degree, directing the transformation of the Computer Science curriculum and Health Informatics curriculum, and managing our expansion into graduate education with a new MS in Computer Science, an MS in Health Informatics, and a proposal for an MS in Data Analytics.
- Established close relations with area businesses to cultivate opportunities for student internships as well as employment options for our graduates.
- Implemented an Applied Informatics program to connect experienced faculty and talented students with business partners to solve real world problems and afford opportunities for students to learn and grow.
- Arranged an affiliation with the National Center for Women & Information Technology Academic Alliance to promote and encourage enrollment and hiring of females in our programs.
- Published over 75 peer-reviewed papers, among which are over 30 journal articles.
- Recognized as 2011 Faculty Member of the Year by the Associated Students of Idaho State University
- Recognized as Outstanding Master Teacher by ISU in both 2011 and 2012.

## ACADEMIC LEADERSHIP:

- Chair, Department of Informatics & Computer Science 8/2013 to present  
Idaho State University: College of Business and College of Science and Engineering
  - Work closely with two deans (College of Business and College of Science and Engineering) in accreditation, development, and strategic planning.
  - Administer a department that leverages the strengths of two colleges by identifying and harnessing the synergies between similar but different programs to reduce redundancies and strengthen programs while maintaining their individual identities.
  - Oversee nine faculty members and a number of adjuncts in a department that offers undergraduate and graduate degrees in business informatics, health informatics, and computer science.
  - Analyze and determine factors that differentiate our programs from others in order to promote a competitive advantage.
  - Provide vision and dynamic leadership to the department and college by serving as a member of the Dean's Executive Committee, mapping short and long-term strategies for program growth and expansion.
  - Liaise with University administration to promote our majors and our accomplishments.
  - Work with the college's development officer to identify, cultivate, solicit, and steward philanthropic gifts.
  - Provide leadership and needed oversight in matters related to accreditation.
- Chair, Department of Computer Information Systems 5/2012 to 8/2013  
Idaho State University College of Business
  - Revitalized a stagnant undergraduate program by teaming with the faculty to overhaul the curriculum
  - Completed the American Council on Education (ACE) Leadership Academy for Department Chairs to enhance my administrative abilities.

## EDUCATION:

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|---|-------------------------------|------|
| ○ Ph.D. in Management Information Systems | Texas Tech University         | 1995 |
| ○ Supporting Field: Computer Science      |                               |      |
| ○ M.S. in Computer Science                | Texas Tech University         | 1991 |
| ○ B.A. in Computer Science                | University of Texas at Austin | 1982 |

## ACADEMIC EXPERIENCE:

- Idaho State University 7/1999 to present  
8/2013 to present
  - Professor of Informatics and Computer Science  
Department of Informatics & Computer Science (College of Business and College of Science and Engineering)
  - Professor of Computer Information Systems 7/2005 to 8/2013  
Department of Computer Information Systems (College of Business)
  - Associate Professor of Computer Information Systems 7/2004 to 7/2005  
Department of Computer Information Systems (College of Business)
  - Assistant Professor of Computer Information Systems 7/1999 to 7/2004  
Department of Computer Information Systems (College of Business)

- Curtin University of Technology (Perth, WA, Australia) 3/2007 to 4/2007
  - Research Fellow and Visiting Professor of Information Systems  
School of Information Systems
    - Directed research seminar on a Structured Process for Programming Language Selection.
    - Conducted research seminar on the Use of Pedagogical Agents for Core Concept Tutorials.
    - Presented summary of past and ongoing research to the members of the Digital Ecosystems and Business Intelligence (DEBI) Centre, a Tier 1 University Research Centre.
    - Participated in multiple research projects.

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- RMIT University (Melbourne, VI, Australia) 2/2007 to 3/2007
  - Consultant of Business Information Technology  
School of Business Information Technology
    - Conducted research symposium for the BIT faculty on a formal approach for selecting a programming language for computer programming courses.
    - Conducted roundtable discussion on using animated pedagogical agents to deliver course review materials and tool development to facilitate the creation of such review materials.
    - Assisted in teaching an Internet for Business summer course.
    - Participated in multiple research projects.

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- Saint Louis University 8/1995 to 6/1999
  - Assistant Professor of Management Information Systems  
Department of Decision Sciences and MIS (School of Business and Administration)
    - Concentrated on curriculum building and course development.
    - Participated in the restructuring of the undergraduate MIS curriculum.
    - Played an integral role in the development of a new Master of Science in MIS program.
    - Restructured and instructed Systems Analysis and Design, Database Management Systems using Oracle, Emerging Technologies, and Object-Oriented Programming.
    - Served as a member of recruitment committees for assistant professors and instructors.

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- Texas Tech University 9/1990 to 1/1991
  - Research Assistant  
Department of Computer Science (College of Engineering)
    - Researched single board computer platforms for the module-level controller of a semiconductor processing system under development by FSI International, a manufacturer of wafer cleaning systems used in the fabrication of integrated circuits.

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- New Mexico Junior College 1/1985 to 8/1989
  - Instructor of Computer Science  
Department of Computer Science (Division of Business and Technology)
    - Instructed courses dealing with fundamental computer science and information systems concepts, application software use, programming languages and techniques, advanced data structures, and microcomputer operating systems and usage.
    - Managed the microcomputer laboratories and student laboratory assistants.
    - Spearheaded curriculum revisions and was responsible for the development of several new courses, including Microcomputer Literacy and Advanced Data Structures.
    - Conducted seminars for area businesses on various productivity software packages.

## PROFESSIONAL EXPERIENCE:

- Conoco, Inc. (Hobbs Division) 6/1982 to 12/1984
  - Programmer/Analyst (6/1983 to 12/1984)
  - Programmer (6/1982 to 6/1983)
    - Performed systems development activities including software analysis, design, implementation, and maintenance.
    - Developed users' manuals and technical documentation and trained users.
    - Responsible for various development projects including production control software, system interface packages, and report generation packages.
    - Assisted in system conversion (IBM 1800 to DEC PDP 11/34) including replacement software design.

## RESEARCH INTERESTS:

- Stream 1: Improved Teaching of Core IT Courses Business Intelligence/Knowledge Management
- Stream 2: Impact of Developments in Information Systems on Curriculum
- Stream 3: Emerging Systems Development Issues
  - More at <http://homepages.cob.isu.edu/parkerkr/ePortfolio/#researchInterests>

## REFEREED JOURNAL ARTICLES:

- J31. Chiang, C-T, Wei, C-F, Parker, K.R., Davey, B. (2017). Exploring the Drivers of Customer Engagement Behaviors in Social Network Brand Communities: Toward a Customer Learning Model. *Journal of Marketing Management*, 33 (17-18), 1443-1464. DOI: [10.1080/0267257X.2017.1399922](https://doi.org/10.1080/0267257X.2017.1399922)
- J30. Parker, K.R., Srinivasan, S.S., Houghton, R.F., Kordzadeh, N., Bozan, K., Ottaway, T., & Davey, B. (2017). Health Informatics Program Design and Outcomes: Learning from an Early Offering at a Mid-Level University. *Education and Information Technologies*, 22, 1497–1513. DOI: [10.1007/s10639-016-9506-9](https://doi.org/10.1007/s10639-016-9506-9)
- J29. Davey, B., Bozan, K., Houghton, R., & Parker, K.R. (2016). Alternatives for Pragmatic Responses to Group Work Problems. *Informing Science: The International Journal of an Emerging Transdiscipline*, 19, 89-102. DOI: [10.28945/3504](https://doi.org/10.28945/3504)
- J28. Davey, B., & Parker, K.R. (2015). Requirements Elicitation Problems: A Literature Analysis. *Issues in Informing Science and Information Technology*, 12, 71-82. DOI: [10.28945/2211](https://doi.org/10.28945/2211)
- J27. Lu, Y., Chao, J. C., & Parker, K. R. (2015). HUNT: Scavenger Hunt with Augmented Reality. *Interdisciplinary Journal of Information, Knowledge, and Management*, 10, 21-35. DOI: [10.28945/2207](https://doi.org/10.28945/2207)
- J26. Chao, J. C., Pan, L., & Parker, K. R. (2014). Campus Event App – New Exploration for Mobile Augmented Reality. *Issues in Informing Science and Information Technology*, 11, 1-11. DOI: [10.28945/2207](https://doi.org/10.28945/2207)
- J25. Chao, J. C., Parker, K. R., & Davey, B. (2013). Navigating the Framework Jungle for Teaching Web Application Development. *Issues in Informing Science and Information Technology*, 10, 95-109. DOI: [10.28945/1798](https://doi.org/10.28945/1798)
- J24. Chao, J. C., Parker, K. R., & Fontana, A. (2011). Developing an Interactive Social Media Based Learning Environment. *Issues in Informing Science and Information Technology*, 8, 323-334. DOI: [10.28945/1421](https://doi.org/10.28945/1421)
- J23. Park, J., Fables, W., Parker, K. R., & Nitse, P. S. (2010). The Role of Culture in Business Intelligence. *International Journal of Business Intelligence Research*, 1 (3), 1-14. DOI: [10.4018/jbir.2010070101](https://doi.org/10.4018/jbir.2010070101)

- J22. Parker, K. R. (2010). Selecting Software Tools for IS/IT Curricula. *Education and Information Technologies (Special Issue on Information Systems Curriculum)*, 15 (4), 255-275.  
DOI: [10.1007/s10639-010-9126-8](https://doi.org/10.1007/s10639-010-9126-8)
- J21. Parker, K. R. (2010). The Reference List Formatter: An Object-Oriented Development Project. *Interdisciplinary Journal of Information, Knowledge, and Management*, 5, 23-48.  
DOI: [10.28945/1108](https://doi.org/10.28945/1108)
- J20. Trimmer, K., Parker, K. R., & Schou, C. (2009). Functional Requirements for Secure Code: The Reference Monitor and Use Case. *Academy of Information and Management Sciences Journal*, 12 (2), 113-119.
- J19. Parker, K. R., Nitse, P. S., & Tay, A. (2009). The Impact of Inaccurate Color on Customer Retention and CRM. *Informing Science: The International Journal of an Emerging Transdiscipline*, 12, 105-122. DOI: [10.28945/430](https://doi.org/10.28945/430)
- J18. Parker, K. R., Williams, R. F., Nitse, P. S., & Tay, A. (2008). Use of the Normalized Word Vector Approach in Document Classification for an LKMC. *Issues in Informing Science and Information Technology*, 5. DOI: [10.28945/1025](https://doi.org/10.28945/1025)
- J17. Trimmer, K., Parker, K. R., & Schou, C. (2007). Enforcing Early Implementation of Information Assurance Precepts throughout the Design Phase. *Journal of Informatics Education Research*, 9 (1), 95-120.
- J16. Parker, K. R., & Chao, J. (2007). Wiki as a Teaching Tool. *Interdisciplinary Journal of Knowledge and Learning Objects*, 3, 57-72. DOI: [10.28945/386](https://doi.org/10.28945/386)
- J15. Parker, K. R., & Nitse, P. S. (2007). Bilgi Yönetim Merkezleri Olarak Kütüphaneler. (C. Ayдын, Trans.). *Journal of Turkish Librarianship*, 21 (1), 88-103.
- J14. Parker, K. R., Chao, J. T., Ottaway, T. A., & Chang, J. (2006). A Formal Language Selection Process for Introductory Programming Courses. *Journal of Information Technology Education*, 5, 133-151. DOI: [10.28945/239](https://doi.org/10.28945/239)
- J13. Parker, K. R., Ottaway, T. A., & Chao, J. T. (2006). Criteria for the Selection of a Programming Language for Introductory Courses. *International Journal of Knowledge and Learning*, 2 (1-2), 119-139. DOI: [10.1504/IJKL.2006.009683](https://doi.org/10.1504/IJKL.2006.009683)
- J12. Parker, K. R. (2005). Lost River Wind Riders: A Project for Teaching Database Design. *Communications of the Association for Information Systems*, 16 (24), 475-494.  
DOI: [10.17705/1CAIS.01624](https://doi.org/10.17705/1CAIS.01624)
- J11. Beachboard, J. C., & Parker, K. R. (2005). Understanding Information Technology: What Do Graduates from Business-Oriented IS Curricula Need to Know? *Issues in Informing Science and Information Technology*, 2, 219-236. DOI: [10.28945/2863](https://doi.org/10.28945/2863)
- J10. Parker, K. R., Nitse, P. S., & Flowers K. A. (2005). Libraries as Knowledge Management Centers. *Library Management Journal (Special Issue on Digital Libraries in the Knowledge Era: Knowledge Management and Semantic Web Technology)*, 26 (4/5), 176-189.  
DOI: [10.1108/01435120510596035](https://doi.org/10.1108/01435120510596035)
- J09. Parker, K. R., & Nitse, P. S. (2005). Improving Competitive Intelligence for Knowledge Management Systems. *International Journal of Internet and Enterprise Management (Special Issue on Business Intelligence for Competitive Advantages)*, 3 (1), 24-45. DOI: [10.1504/IJIEEM.2005.007229](https://doi.org/10.1504/IJIEEM.2005.007229)
- J08. Parker, K. R., LeRouge, C., & Trimmer, K. (2005). Alternative Instructional Strategies in an IS Curriculum. *Journal of Information Technology Education*, 4, 43-60. DOI: [10.28945/264](https://doi.org/10.28945/264)
- J07. Nitse, P. S., Parker, K. R., Ottaway, T. A., & Krumwiede, D. W. (2004). The Impact of Color in the e-Commerce Marketing of Fashions. *European Journal of Marketing*, 38 (7/8), 898-915.  
DOI: [10.1108/03090560410539311](https://doi.org/10.1108/03090560410539311)
- J06. Parker, K. R. (2004). A Data Model Validation Approach for Relational Database Design Courses. *Issues in Informing Science and Information Technology*, 1, 813-825. DOI: [10.28945/780](https://doi.org/10.28945/780)
- J05. Nitse, P. S., & Parker, K. R. (2003). Library Science, Knowledge Management, Competitive Intelligence: Archive Theory the Common Link. *The Reference Librarian*, 38 (79/80), 395-407.  
DOI: [10.1300/J120v38n79\\_27](https://doi.org/10.1300/J120v38n79_27)



- J04. Parker, K. R. (2003). A Database Design Case: Teton Whitewater Kayak. *Journal of Information Systems Education (Special Issue on IS Teaching Cases)*, 14 (3), 271-274.
- J03. Nitse, P. S., Parker, K. R., & Dishman, P. L. (2003). Multi-Class Interest Profile Applications in the Intelligence Process. *Marketing Intelligence and Planning*, 21 (5), 263-271.  
DOI: [10.1108/02634500310490210](https://doi.org/10.1108/02634500310490210)
- J02. Parker, K. R. (2002). Using and Enhancing Online Lecture Materials. *Mountain Plains Journal of Business and Economics*, 3.
- J01. Saxby, C. L., Parker, K. R., Nitse, P. S., & Dishman, P. L. (2002). Environmental Scanning and Organizational Culture. *Marketing Intelligence and Planning*, 20 (1), 28-34.  
DOI: [10.1108/02634500210414747](https://doi.org/10.1108/02634500210414747)

## REFEREED CHAPTERS:

- C15. Bozan, K., Parker, K.R., & Davey, B. (2020). Patient Portal Acceptance by the Elderly: Explained by the Elaboration Likelihood Model and Social Heuristics. In N. Wickramasinghe (Ed.), *Handbook of Research on Optimizing Healthcare Management Techniques* (pp. 67-90). Hershey, PA: IGI Global.  
DOI: [10.4018/978-1-7998-1371-2.ch005](https://doi.org/10.4018/978-1-7998-1371-2.ch005)
- C14. Parker K.R., Beard, D.V., & Davey, B. (2019). Teaching Computer Languages in Universities. In A. Tatnall (Ed.), *Encyclopedia of Education and Information Technologies*. Boston, MA: Springer, Cham. DOI: [10.1007/978-3-319-60013-0](https://doi.org/10.1007/978-3-319-60013-0)
- C13. Parker K.R., Chao, J.T., & Houghton, R.F. (2019). Wikis as a Collaboration Tool. In A. Tatnall (Ed.), *Encyclopedia of Education and Information Technologies*. Boston, MA: Springer, Cham.  
DOI: [10.1007/978-3-319-60013-0\\_48-1](https://doi.org/10.1007/978-3-319-60013-0_48-1)
- C12. Parker K.R., Beard, D.V., & Davey, B. (2019). Programming Language Selection for University Courses. In A. Tatnall (Ed.), *Encyclopedia of Education and Information Technologies*. Boston, MA: Springer, Cham. DOI: [10.1007/978-3-319-60013-0\\_131-1](https://doi.org/10.1007/978-3-319-60013-0_131-1)
- C11. Holmes, J.D., Parker, K.R., Davey, B., & Chao, J.T. (2019). Teaching Software Design Techniques in University Courses. In A. Tatnall (Ed.), *Encyclopedia of Education and Information Technologies*. Boston, MA: Springer, Cham. DOI: [10.1007/978-3-319-60013-0\\_132-1](https://doi.org/10.1007/978-3-319-60013-0_132-1)
- C10. Houghton, R.F., Parker, K.R., Davey, B., & Bozan, K. (2018). Approaches for Addressing Student Barriers to Collaborative Learning Success. In J.S. Keengwe (Ed.), *Handbook of Research on Mobile Technology, Constructivism, and Meaningful Learning* (pp. 23-43). Hershey, PA: IGI Global.  
DOI: [10.4018/978-1-5225-3949-0.ch002](https://doi.org/10.4018/978-1-5225-3949-0.ch002)
- C09. Bozan, K., Parker, K.R., & Davey, B. (2017). Social Forces that Influence Health IT Use Behavior of the Elderly. In N. Wickramasinghe (Ed.), *Handbook of Research on Healthcare Administration and Management* (pp. 369-383). Hershey, PA: IGI Global. DOI: [10.4018/978-1-5225-0920-2.ch021](https://doi.org/10.4018/978-1-5225-0920-2.ch021)
- C08. Parker, K. R., & Davey, B. (2014). Computers in Schools in the USA: A Social History. In A. Tatnall & B. Davey (Eds.), *Reflections on the History of Computers in Education: Early Use of Computers and Teaching about Computing in Schools* (pp. 203-211). Boston, MA: Springer. DOI: [10.1007/978-3-642-55119-2\\_14](https://doi.org/10.1007/978-3-642-55119-2_14)
- C07. Parker, K. R., & Davey, B. (2012). The History of Computer Language Selection. In A. Tatnall (Ed.), *Reflections on the History of Computing: Preserving Memories and Sharing Stories* (pp. 166-179). Boston, MA: Springer. DOI: [10.1007/978-3-642-33899-1\\_12](https://doi.org/10.1007/978-3-642-33899-1_12)
- C06. Davey, B., & Parker, K. R. (2010). Turning Points in Computer Education. In A. Tatnall (Ed.), *IFIP International Federation for Information Processing, Vol. 325 History of Computing: Learning from the Past* (pp. 159-168). Boston, MA: Springer. DOI: [10.1007/978-3-642-15199-6\\_16](https://doi.org/10.1007/978-3-642-15199-6_16)
- C05. Parker, K. R., & Chao, J. (2008). Weaving a Knowledge Web with Wikis. In M. D. Lytras, R. D. Tennyson, & P. Ordóñez de Pablos (Eds.), *Knowledge Networks: The Social Software Perspective* (pp. 28-45). Hershey, PA: Information Science Reference. DOI: [10.4018/978-1-59904-976-2.ch003](https://doi.org/10.4018/978-1-59904-976-2.ch003)

- C04. Parker, K. R., Nitse, P. S., & Davey, B. (2008). History of Computing Education Trends: The Emergence of Competitive Intelligence. In J. Impagliazzo (Ed.), *IFIP International Federation for Information Processing, Vol. 269 History of Computing and Education 3* (pp. 113-127). Boston, MA: Springer. DOI: [10.1007/978-0-387-09657-5\\_7](https://doi.org/10.1007/978-0-387-09657-5_7)
- C03. Davey, B., & Parker, K. R. (2006). Language History – A Tale of Two Countries. In J. Impagliazzo (Ed.), *IFIP International Federation for Information Processing, Vol. 215 History of Computing and Education 2* (pp. 139-151). Boston, MA: Springer. DOI: [10.1007/978-0-387-34741-7\\_10](https://doi.org/10.1007/978-0-387-34741-7_10)
- C02. Parker, K. R. (2006). Enabling Technologies for the Semantic Web. In M. D. Lytras, & A. Naeve (Eds.), *Intelligent Learning Infrastructures for Knowledge Intensive Organizations: A Semantic Web Perspective* (pp. 39-56). Hershey, PA: Information Science Reference. DOI: [10.4018/978-1-59140-503-0.ch002](https://doi.org/10.4018/978-1-59140-503-0.ch002)
- C01. Parker, K. R., & Nitse, P. S. (2006). Competitive Intelligence Gathering. In D. G. Schwartz (Ed.), *Encyclopedia of Knowledge Management* (pp. 44-50). Hershey, PA: Information Science Reference. DOI: [10.4018/978-1-59140-573-3.ch007](https://doi.org/10.4018/978-1-59140-573-3.ch007)

## REFEREED PROCEEDINGS:

- P32. Edwards, J.M., Fulton, E.K., Holmes, J., Valentin, J.L., Beard, D.V., & Parker, K.P. (2018). Separation of Syntax and Problem Solving in Introductory Computer Programming. *2018 IEEE Frontiers in Education Conference Proceedings (FIE2018)*, San Jose, California: October 3-6. DOI: [10.1109/FIE.2018.8658852](https://doi.org/10.1109/FIE.2018.8658852)
- P31. Bozan, K., Parker, K.R., & Davey, B. (2016). A Closer Look at the Social Influence Construct in the UTAUT Model: An Institutional Theory Based Approach to Investigate Health IT Adoption Patterns of the Elderly. *Proceedings of the 49th Annual Hawaii International Conference on System Sciences (HICSS-49)*, Koloa, Kauai, Hawaii: January 5-8 (pp. 3105-3114). DOI: [10.1109/HICSS.2016.391](https://doi.org/10.1109/HICSS.2016.391)
- P30. Bozan, K., Davey, B., & Parker, K.R. (2015). Social Influence on Health IT Adoption Patterns of the Elderly: An Institutional Theory Based Use Behavior Approach. *Procedia Computer Science*, 63, 517-523. DOI: [10.1016/j.procs.2015.08.378](https://doi.org/10.1016/j.procs.2015.08.378)
- P29. Davey, B., & Parker, K.R. (2014). A Classification of Requirements Elicitation Problems. *Proceedings of the 2014 Mountain Plains Business Association (MPBA) Global Business Conference*, Pocatello, ID: October 8-10.
- P28. Beard, D.V., Parker, K. R., Ottaway, T.A., Davey, W.F., & Schou, C.D. (2013). Requiring a Systems Analysis and Design Course for a Computer Science Major. *Proceedings of the 9th International Conference on Frontiers in Education: Computer Science & Computer Engineering (FECS 2013)*, Las Vegas, Nevada: July 22-25 (pp. 257-262).
- P27. Parker, K. R., & Davey, B. (2011). Applied Learning with the Virtual Teaching Assistant. *Proceedings of the Seventeenth Americas Conference on Information Systems*, Detroit, MI: August 4-7 (pp. 188-201).
- P26. Davey, B., Parker, K. R., & Lukaitis, A. (2011). e-Government and the Elderly: A Two Country Comparison. *Proceedings of the Seventeenth Americas Conference on Information Systems*, Detroit, MI: August 4-7 (pp. 1502-1510).
- P25. Davey, B., & Parker, K. R. (2010). Technology in Education: An Agile Systems Approach. *Proceedings of 2010 Informing Science + Information Technology Education (InSITE) Conference*, Cassino, Italy: June 21-24 (pp. 297-306). DOI: [10.28945/1253](https://doi.org/10.28945/1253)
- P24. Trimmer, K., Parker, K. R., & Schou, C. (2008). Functional Requirements: The Reference Monitor and Use Case. *Proceedings of the Academy of Information and Management Sciences*, Reno, NV: October 15-17 (p. 264).
- P23. Chin, K. L., Chang, E., Atkinson, D., & Parker, K. R. (2007). Ontology-Based IT Pedagogical Knowledge Framework. *Proceedings of the 2007 Computer Science & Information Technology Education Conference*, Mauritius: November 16-18 (pp. 155-166).

- P22. Parker, K. R., Davis, T., & Ward, D. M. (2007). Herbicide Damage Tracking System: An IS Case study. *Proceedings of the North American Case Research Association*, 21 (10), Keystone, CO: October 18-20 (p. 58).
- P21. Trimmer, K., Parker, K., & Creelman, J. (2006). Lessons Learned in a Collaborative Development Project – Documentation for Physical Therapy Education. *Proceedings of the International Conference on Informatics Education Research*, Milwaukee, WI: December 9-10 (pp. 320-336).
- P20. Ottaway, T. A., Parker, K. R., & Chao, J. T. (2006). The Selection of a Language for Introductory Programming Courses: An Exploratory Survey. *Proceedings of the Western Decision Sciences Institute*, Waikoloa, HI: April 11-15 (pp. 270-272).
- P19. Schou, C., Trimmer, K., & Parker, K. R. (2005). Forcing Early Binding of Security Using a Design Reference Monitor Concept in Systems Analysis and Design Courses. *Proceedings of the International Conference on Informatics Education and Research*, Las Vegas, NV: December 9-11 (pp. 321-331).
- P18. Nitse, P. S., & Parker, K. R. (2005). Gathering Information in the Digital Age Using the Semantic Web. *Frontiers of e-Business Research*, Tampere, Finland: September 26-28 (pp. 603-614).
- P17. Parker, K. R., Trimmer, K., & LeRouge, C. (2005). The REA Ontology to Supplement Teaching Data Flow Diagrams. *Proceedings of the 2005 Americas Conference on Information Systems*, Omaha, NE: August 11-14 (pp. 2793-2801).
- P16. Nitse, P. S., & Parker, K. R. (2005). Integrating Knowledge Management and Competitive Intelligence into Both the Retailing and Services Businesses. *Proceedings of the 12th International Conference on Recent Advances in Retailing and Services Science*, Orlando, FL: July 21-24.
- P15. Bezik, M. H., Smith, K., & Parker, K. R. (2005). SPUD's - A Computer-Assisted Interactive Project for Use in Intermediate Accounting Courses. *2005 Western Region American Accounting Association Meeting*, Sacramento, CA: April 29-30.
- P14. Parker, K. R., Trimmer, K., & LeRouge, C. (2005). The Correspondence Between the REA Ontology and Data Flow Diagrams. *2005 Western Region American Accounting Association Meeting*, Sacramento, CA: April 29-30.
- P13. Trimmer, K., & Parker, K. R. (2004). Revising Instructional Strategies in Systems Analysis and Design. *Proceedings of the 2004 International Conference on Informatics Education Research*, Washington, DC: December 10-12 (pp. 175-182).
- P12. Nitse, P. S., & Parker, K. R. (2004). Consumer Perception of Color Depicted on e-Commerce Websites: An Exploratory Study. *Proceedings of the 11th International EIRASS Conference on Recent Advances in Retailing and Services Science*, Prague, Czechoslovakia: July 10-13.
- P11. Krumwiede, D., Parker, K. R., Nitse, P. S., & Ottaway, T. A. (2004). Customer Sensitivity to Electronically Reproduced Color Products: Its Effect on the Operation of Return Goods. *Distribution Business Management Association Annual Conference Proceedings*, Chicago, IL: May 18-20 (pp. 1-9).
- P10. Parker, K. R., & Nitse, P. S. (2004). The Impact of Color Inaccuracies on e-Commerce Sites. *Proceedings of the Information Technology & Global Business Research Conference*, Cancun, Mexico: March 10-13 (pp. 50-56).
- P09. Beachboard, J. C., & Parker, K. R. (2003). How Much is Enough? Teaching Information Technology in a Business-Oriented IS Curriculum. *Proceedings of the 2003 Americas Conference on Information Systems*, Tampa, FL: August 4-6 (pp. 3026-3031).
- P08. Krumwiede, D., Nitse, P. S., Parker, K. R., & Ottaway, T. A. (2003). Returning Internet Purchased Color Sensitive Products: The Effect on the Supply Chain. *Proceedings of the 7th International Conference of the Decision Sciences Institute*, Shanghai, China: July 4-8.
- P07. Ottaway, T. A., & Parker, K. R. (2002). A Conceptual Model of Structural Adaptation in Agent-Based Workflow Management Systems. *Proceedings of the 2002 Americas Conference on Information Systems*, Dallas, TX: August 9-11 (pp. 1476-1483).



- P06. Nitse, P. S., Parker, K. R., Ottaway, T. A., & Krumwiede, D. W. (2002). The Impact of Consumer Perception on e-Commerce Transactions. *Proceedings of the International Applied Business Research Conference*, Puerto Vallarta, Mexico: March 14-19, CD-ROM.
- P05. Parker, K. R. (2001). Techniques to Enhance Online Lecture Materials. *Proceedings of the 2001 Mountain Plains Management Conference*, Pocatello, ID: October 17-19.
- P04. Aytes, K., & Parker, K. R. (2001). Using the Web to Create a Dynamic, Interactive Learning Environment. *Proceedings of the 2001 Mountain Plains Management Conference*, Pocatello, ID: October 17-19.
- P03. LeBlanc, R., & Parker, K. R. (2001). A Customer-Based Framework for Understanding e-Commerce Relationships. *Proceedings of the International Business & Economics Research Conference 2001*, Reno, NV: October 8-12. Received Best Paper Award.
- P02. Parker, K., & Nitse, P. S. (2001). Improving Competitive Intelligence Gathering for Knowledge Management Systems. *Proceedings of the 2001 International Symposium on Information Systems and Engineering (ISE'2001-Workshop: Knowledge Management Systems: Concepts, Technologies and Applications)*, Las Vegas, NV: June 25-28 (pp. 122-128).
- P01. Parker, K. R., & Nitse, P. S. (2000). A Multi-Class Interest Profile (M-CLIP) for Online Competitive Intelligence Systems. *Proceedings of the Society of Competitive Intelligence Professionals Academic Conference on Competitive Intelligence*, Philadelphia, PA: December 8.

## PRESENTATIONS:

- Available at <http://homepages.cob.isu.edu/parkerkr/ePortfolio/#publicationsPresentations>

## TEACHING INTERESTS:

- Object-Oriented Development
- Web Development
- Systems Analysis and Design
- Database Management Systems
- Programming Languages
- Advanced Programming Concepts

## COURSE EVALUATIONS:

- Available at <http://homepages.cob.isu.edu/parkerkr/ePortfolio/#teachingEvaluations>

## CURRICULUM DEVELOPMENT:

- Available at <http://homepages.cob.isu.edu/parkerkr/ePortfolio/#curriculumDev>

## SERVICE:

- Editorial Service
  - Member of the Editorial Board of Education and Information Technologies.
  - Former Editor of *Journal of Information Technology Education*.
  - Former member of the Editorial Board of the *Interdisciplinary Journal of Information, Knowledge and Management*.
  - Information Technology Management Track Chair for the North American Case Research Association (NACRA) 2007 and 2008 Annual Meeting.
  - Reviewer for *IEEE's Transactions on Software Engineering, Education and Information Technologies, International Journal of Internet and Enterprise Management, Electronic*

*Commerce Research Journal, International Journal of Electronic Commerce and Business Media, International Journal of Business Intelligence Research, Communications of the ACM, Electronic Markets, and Journal of Organizational Computing and Electronic Commerce.*

- Reviewed papers for Americas Conference on Information Systems (2002, 2003, 2011, 2013), ICIS (2001, 2010), IFIP World Computer Congress (2006, 2008, 2010), the Informing Science + IT Education Conference (2004, 2005, 2006, 2007, 2009, 2010, 2013), Hawaii International Conference on Systems Science (2006, 2007, 2008, 2009, 2010, and 2011, 2013, 2014).
  - Reviewed texts for D.C. Heath and Company, West Publishing Company, McGraw-Hill, Course Technology, Addison-Wesley, Prentice-Hall, Cengage, and Wiley.
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○ Professional Service

- Served as out-of-department member on Promotion and Tenure Committee for Shannon Kobs (Geoscience - Idaho State University)
  - Served on the AMCIS 2013 Recruitment Workshop faculty panel.
  - External P&T reviewer – Al-Balqa Applied University, 2011 (two candidates), 2013 (two candidates), 2014, 2015, 2016, 2017, 2018.
  - External P&T assessor – Universiti Sains Malaysia, 2012.
  - External P&T reviewer – Missouri Western State University School of Business, 2010.
  - External P&T reviewer – Jordan University of Science and Technology Department of Computer Information Systems, 2009.
  - External P&T reviewer – University of Idaho College of Business and Economics, 2008.
  - External P&T reviewer – University of Nevada, Reno College of Business Administration, 2007.
  - External P&T referee – Curtin University of Technology, 2007.
  - Outside P&T evaluator – University of New Mexico-Gallup, 2005.
  - External P&T reviewer – Purdue University College of Technology, 2002.
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○ College Service

- Member – College of Business Executive Committee.
  - Member – Enrollment Committee.
  - Faculty advisor – ACM Student Group.
  - Member and former chair – Faculty Support Committee.
  - Coordinator for United Way – ISU College of Business (2000-2008, 2012-2013).
  - Athletic Recruiting Liaison.
  - Member – Promotion and Tenure Committees in 2001, 2003, 2006, 2008, 2009.
  - Member – MBA Orals Committees in 2002-2015.
  - Member – recruitment committees for assistant professors and instructors at Idaho State University (1999, 2000, 2004, 2012, 2013, 2014).
  - Member – recruitment committees for assistant professors and instructors at Saint Louis University (1996, 1996, 1997, 1998).
  - Founder and Faculty Advisor – MIS Club at Saint Louis University (1996-1999).
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○ University Service

- Served on 2018 Polytechnic Cluster Hire Search Committee
  - Served on the search committee for a web content management system project manager.
  - Participated on a faculty panel at the 2012 new faculty orientation.
  - Participated in the 2012, 2013, and 2014 new student orientation.
  - Served on Athletic Advisory Board.
  - Served on Campus Safety Council.
  - Served on Campus Planning Council.
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- Served as Graduate Faculty Representative in 2004 (Educational Leadership), 2005 (Educational Leadership), and 2009 (Mechanical Engineering).
- Served on Saint Louis University Computer Science Advisory Committee that analyzed the consolidation of multiple campuses and its impact on the computer-based programs.

#### ○ Dissertation and Thesis Committees

- Meghan Fisher  
College of Science and Engineering – Idaho State University  
Dissertation Topic: Quantifying and Mapping Variable Entrainment Throughout Volcanic Eruption Plumes  
Committee Member (Anticipated defense 2020)
- Quazi Omar Faruq  
College of Business – Victoria University  
Dissertation Topic: Management of Training to Prevent Occupational Violence: A Case Study of Occupational Health and Safety Management System (OHSMS) in a Hospital in Victoria  
External Examiner (Status: Defended August 2018)
- Francisca Adamopoulos  
School of Business IT and Logistics – RMIT University  
Dissertation Title: An Influence Model of the Experience of Learning Programming  
External Examiner (Status: Defended November 2017)
- Guan Yi Lee  
Karolinska Institutet – Department of Learning, Informatics, Management and Ethics  
Dissertation Title: Electronic Health Record Workarounds in Team-based Care Setting  
Co-supervisor (Status: Defended June 2017)
- Jessnor Elmy Mat Jizat  
School of Business IT and Logistics – RMIT University  
Dissertation Title: Investigating ICT-Literacy Assessment Tools: Developing and Validating a New Assessment Instrument for Trainee Teachers in Malaysia  
External Examiner (Status: Defended December 2012)
- Kit Na Goh  
GIS Training and Research Center – Idaho State University  
Thesis Title: Developing A Geo-Spatial Search Tool Using a Relational Database Implementation of the Geo FGDC CSDGM Model  
Committee Member (Status: Defended 2007)

### HONORS & AWARDS:

- Recognized as a 2012 Outstanding Master Teacher by Idaho State University.
- Recognized as 2011 Faculty Member of the Year by the Associated Students of ISU.
- Recognized as a 2011 Outstanding Master Teacher by Idaho State University.
- Idaho State University College of Business 2005-2006 Outstanding Researcher Award.
- Idaho State University College of Business 2002-2003 Outstanding Teacher Award.
- Nominated for and selected as ACM Senior Member, recognizing demonstrated performance that sets members apart from their peers.
- Received Best Paper award at the 2004, 2005, and 2006 Informing Science + Information Technology Education (InSITE) Conference.
- Selected as Best Paper at the International Business & Economics Research Conference 2001.
- Nominated for Best Paper award at the 2003 Americas Conference on Information Systems.
- Upsilon Pi Epsilon – Honor Society for the Computing Sciences.

- Golden Key National Honor Fraternity.
- Psi Theta chapter of Phi Theta Kappa, a national honor fraternity (president).

## GRANTS & FELLOWSHIPS:

- ISU Developing Collaborative Partnerships for Building Research and Scholarship 2018 (Application Before Synthesis: Structured and Engaged Learning in Introductory Computer Programming, \$32,564.00, Co-PI)
- ISU Teaching Innovation Grant 2017-2018 (Improving STEM Education: Engaged Learning in an Introductory Computer Programming Course, \$4,820.00, Co-PI)
- Curtin University of Technology Research Fellowship, 2007
- ISU College of Business Reutgers Grant: "Pedagogical Database Development," 2003
- ISU College of Business Reutgers Grant: "Using Technology to Teach Accounting – Computer Assisted Critical Thinking," 2002
- ISU College of Business Reutgers Grant: "An Instrument for the Selection of a Programming Language to be Used in Introductory & Advanced Programming Classes," 2002
- SLU School of Business and Administration Summer Research Grant: "A Metadata Approach for Mapping Electronic Resources: Cataloging Research Materials on the Web," 1998
- SLU School of Business and Administration Summer Research Grant: "Enhanced Internet Search Techniques: An Alternative Push Technology," 1997
- SLU School of Business and Administration Summer Research Grant: "A Multi-Class User Definition for Information Filtering," 1996