921 S. 8th

CONTACT DETAILS:

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PROFILE:

* Chair a STEM department, guiding curriculum development, recruiting and hiring multiple faculty members, and developing multiple new graduate programs.
* 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

* Reinvigorated the Computer Science program from near termination status to its spinoff into an independent department.
* 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 an MS in Computer Science and an MS in Health Informatics.
* 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.
* Affiliated our department with the National Center for Women & Information Technology Academic Alliance to promote 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 7/2020 to present

Idaho State University: College of Business

* + Work closely with the dean of the College of Business in accreditation, development, and strategic planning.
  + Oversee five faculty members and a number of adjuncts in a department that offers an undergraduate degree and a graduate emphasis in business informatics.
  + 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 Informatics & Computer Science 8/2013 to 7/2020

Idaho State University: College of Business and College of Science and Engineering

* + Selected as the most capable candidate to successfully forge a strategic alliance of ISU's most prominent computing-intensive majors, Computer Information Systems and Computer Science, with the mandate to resuscitate the Computer Science program.
  + Chaired a transdisciplinary department housed in two colleges.
  + Reinvigorated the Computer Science program from a near termination status to its spinoff into an independent department.
  + Interacted extensively with, and reported to, the deans of two colleges to strategically position our programs as a cornerstone of a new Polytechnic that is being formed at the university.
* Chair, Department of Computer Information Systems 5/2012 to 8/2013Idaho 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:

* 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
  + Professor of Informatics 7/2020 to presentDepartment of Informatics (College of Business)
  + Professor of Informatics and Computer Science 8/2013 to 7/2020Department of Informatics & Computer Science (College of Business and   
    College of Science and Engineering)
  + Professor of Computer Information Systems 7/2005 to 8/2013Department of Computer Information Systems (College of Business)
  + Associate Professor of Computer Information Systems 7/2004 to 7/2005Department of Computer Information Systems (College of Business)
  + Assistant Professor of Computer Information Systems 7/1999 to 7/2004Department of Computer Information Systems (College of Business)
  + Professor of Informatics 7/2020 to presentDepartment of Informatics (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 (DEBII) Centre, a Tier 1 University Research Centre.
* 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.
* 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.
* 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.
* 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.htm>

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| 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/publications.htm](http://homepages.cob.isu.edu/parkerkr/ePortfolio/publications.htm" \l "expandPresentationsDiv)

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.htm>

CURRICULUM DEVELOPMENT:

* Available at [http://homepages.cob.isu.edu/parkerkr/ePortfolio/teaching.htm](http://homepages.cob.isu.edu/parkerkr/ePortfolio/teaching.htm" \l "expandCurriculumDevelopmentDiv)

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.
* Professional Service
* External P&T reviewer ‒ Jordan University of Science and Technology Department of Computer Information Systems, 2020.
* 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.
* 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](http://www.slu.edu/organizations/mis/) at Saint Louis University (1996-1999).
* 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.
* 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 Reuttgers Grant: "Pedagogical Database Development," 2003
* ISU College of Business Reuttgers Grant: "Using Technology to Teach Accounting – Computer Assisted Critical Thinking," 2002
* ISU College of Business Reuttgers 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