Priya Sharma

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The Pennsylvania State University   Fax: (814) 865-0125
University Park, PA 16802   email: psharma@psu.edu

Academic Qualifications

Ph.D., Instructional Technology, December 2001
The University of Georgia, Athens, GA

M.S., Instructional Technology, December 1996
Bloomsburg University, Bloomsburg, PA

B.S., Chemistry, Botany, & Zoology, July 1989
Mt. Carmel College, Bangalore, India

Academic Positions

Associate Professor, Instructional Systems Program, Department of Learning and Performance Systems, The Pennsylvania State University, University Park, PA: Jul. 2008-present.

Assistant Professor, Instructional Systems Program, Department of Learning and Performance Systems, The Pennsylvania State University, University Park, PA: Aug. 2001-Jun. 2008.

Other Professional Employment

Instructional Designer, Bailey Interactive, Inc., Bloomsburg, PA
Aug. 1996 - Jun. 1996

Instructional Designer and Project Coordinator, Kirloskar Multimedia Limited, Bangalore, India
Nov. 1991 - Jun. 1995

Scholarly Activities

Publications and written reports

Peer reviewed journal publications

Xie, Y., Ke, F., & Sharma, P. (2008). The effect of peer feedback for blogging on college students' reflective learning processes. *The Internet and Higher Education, 11*(4), 18-25.

Sharma, P., & Xie, Y. (2008). Student experiences of using Weblogs: An exploratory study. *Journal of Asynchronous Learning Networks*, (12)*4.*

Hsu, P., & Sharma, P. (in press). A systemic framework for sustaining technology integration in educational settings. Accepted for publication in *Futures Research Quarterly*.

Sockman, B. R., & Sharma, P. (2008). Struggling toward a transformative model of instruction: It's not easy! *Teaching and Teacher Education*, *24*(4), 1070-1082.

Xie, Y., Ke, F., & Sharma, P. (2008). The effect of peer feedback for blogging on college students' reflective learning processes. *The Internet and Higher Education, 11*, 18-25.

Sharma, P., & Hannafin, M. (2007). Scaffolding in technology-enhanced learning environments. *Interactive Learning Environments, 15*(1), 27-46.

Sharma, P., & Fiedler, S. (2007). Supporting self-organized learning with personal Webpublishing technologies. *Journal of Computing in Higher Education, 18*(2), 3-24.

Smith, B.K., Sharma, P., & Hooper, P. (2006). Decision making in online fantasy sports communities. *Interactive Technology and Smart Education, 4*, 347-360

Hsu, P., & Sharma, P. (2006). A systemic plan of technology integration. *Educational Technology & Society, 9*(4), 173-184.

Napoleon, L., Freedman,D., Seetharaman, K., & Sharma, P. (2006). An educational needs assessment of Pennsylvania workforce: Opportunities to redefine secondary career and technical education to meet food industry needs. *Journal of Food Science Education, 5*(2), 19-24.

Sharma, P., & Hannafin, M. J. (2005). Learner perceptions of scaffolding in supporting critical thinking. *Journal of Computing in Higher Education, (17)*1, 17-42.

Sharma, P., & Hannafin, M. J. (2004). Scaffolding critical thinking in an online course: An exploratory study. *Journal of Educational Computing Research, 31*(2), 181-208.

Peer reviewed journal publications (under review)

Sharma, P. (submitted). Enhancing student reflection using Weblogs: Lessons learned from two implementation studies. Submitted to *Reflective Practice*.

Non-peer reviewed journal publications

Sharma, P., Anderson, A., Mao, J., Hsieh, P., & Xie, Y. (2006). Knowing in radical constructivism: A response to Chadwick. *Educational Technology, 46*(1), 80.

Sharma, P., Anderson, A., Mao, J., Hsieh, P., & Xie, Y. (2005). On being a radical constructivist. *Educational Technology, 45*(6), 22-30.

Benson, A.D., Bothra, J., & Sharma, P. (2004). A performance support tool for Cisco training program managers. *TechTrends, 48*(2), 54-59.

Book chapters

Hannafin, M.J., Land, S.M., and Sharma, P. (in press). The changing landscape and emerging perspectives on IT research and theory: The case of student-centered learning. A chapter to appear in G. Anglin (Ed), *Educational Technology: Past, Present, and Future*.

Smith, B. K., Sharma, P., Lim, K. Y., Akilli, G. K., Kim, K., Fujimoto, T., and Hooper, P. (2008). Finding meaning in online very-large scale conversations. In B. J. Jansen, A. Spink, and I. Taksa (Eds.), *Handbook of Web Log Analysis,* pp. 305-325.

Sharma, P., Xie, Y., Hsieh, P., Hsieh, W., & Yoo, S. (2008). Student learning outcomes in technology-enhanced constructivist learning environments: In M. Orey, V. J. McClendon, & R. M. Branch. Educational Media and Technology Yearbook 2008, pp. 77-90.

Sharma, P., Oliver, K. M., & Hannafin, M.J. (2007). Learning perspectives on directed technology-enhanced distance education: Status, applications, and futures. In M. G. Moore (Ed), Handbook of Distance Education (2nd ed), pp. 259-270. Mahwah, NJ: TF-LEA.

Sharma, P. (2005). Distance education and online technologies in India. In A. Carr-Chellman (Ed.) *Distance education: A critical examination,* pp. 52-66.

Fiedler, S. & Sharma, P. (2005). Navigating personal information repositories with weblog authoring and concept mapping. In S.-O. Tergan & T. Keller (Eds.), Knowledge and information visualization: Searching for synergies (pp. 302-325). Berlin: Springer-Verlag.

Hannafin, M. J., Hill, J., Oliver, K. M., Glazer, E. M., & Sharma, P. (2003). Cognitive and learning factors in Web-based distance learning environments. In M. G. Moore & W. G. Anderson (Eds.), *Handbook of distance education,* pp. 245-260. Mahwah, NJ: Lawrence Erlbaum Associates*.*

Publications in proceedings

Hsu, P., & Sharma, P. (2006). A case study of the change process of technology integration into a science methods course from 1997 to 2003. In C. M. Crawford, C. Roger, K. McFerrin, J. Price, R. Weber& D. Willis (Eds.), Proceedings of the 2006 Annual International Conference of the Society for Information Technology and Teacher Education (pp. 1610-1615). Charlottesville, VA: Association for the Advancement of Computing in Education.

Sharma, P., & Fiedler, S. (2004). Introducing technologies and practices for supporting self-organized learning in a hybrid environment. In H. Maurer and K. Tochtermann (Eds.). *Proceedings of the 4ᵗʰ International Conference on Knowledge Management* (pp. 543-550). I-Know Center, Graz, Austria.

Sharma, P., Gursoy, H., Kim, K., Morales, D. R., and Sockman, B. R. (2003). Scaffolding higher order thinking: Theoretical, practical, and experiential perspectives of related techniques and technologies. In Proceedings of the Annual Conference of the Association for Educational Communications and Technology, Anaheim, CA.

Dissertation

Sharma, P. (2001). The evolution of critical thinking and use of scaffolding in a technology-mediated learning environment: An exploratory study. Unpublished doctoral dissertation, Department of Instructional Technology, The University of Georgia.

Technical Reports

Sharma, P. (2000*). Formative evaluation of usability and information access within the Virtual Roach CD-ROM. Unpublished manuscript, The University of Georgia.*

Sharma, P. (1998). *Formative evaluation of usability and design of the Pathogenic Bacteriology instructional web page*. Unpublished manuscript, The University of Georgia.

Presentations at conferences

Xie, Y., Ke, F., & Sharma, P. (April 2008). Effect of Peer-Interaction Strategies in Blogs on Students' Deep Learning. An invited paper presented at the Teaching and Learning with Technology Conference, Purdue University, Lafayette, IN.

Xie, Y. & Sharma, P. (April 2008). Addressing Design and Data-Analysis Validity of a Design-Based Research Study on Blogging and Concept Mapping. Paper presented at the Annual Convention of the American Educational Research Association, San Diego, CA.

Xie, Y. & Sharma, P. (April 2008). Cognitive Analysis of Students' Artifacts From a Blogging-Mapping Tool for Evidence of Reflective Deep Learning. Paper presented at the Annual Convention of the American Educational Research Association, San Diego, CA.

Kim, K., Sharma, P., Land, S., & Furlong, K. (April 2008). Exploring Undergraduate Students' Active Learning for Enhancing Their Critical Thinking and Learning in a Large Class. Paper presented at the Annual Convention of the American Educational Research Association, San Diego, CA.

Kelleher, C., Wagener, T., Gooseff, M., McGlynn, B., Marshall, L., Meixner, T., McGuire, K., Sharma, P., Zuppe, S., Pfeiffer, C. (December 2008). Modular Curriculum for Hydrologic Advancement (MOCHA). Poster presented at the fall meeting of the American Geophysical Union.

Sharma, P., Han, H., Begley, L., & Kim, K. (November, 2008). Enhancing scientific reasoning and critical thinking in an introduction geoscience course. Paper presented at the Annual conference of the Association for Educational Communications and Technology, Orlando, FL.

Yoo, S., Sharma, P., & Kim, K. (November, 2008). Evaluating instructional design approaches and their utility for enhancing students' critical thinking skills in large enrollment science courses. Paper presented at the Annual conference of the Association for Educational Communications and Technology, Orlando, FL.

Hsieh, W., Cui, L., & Sharma, P. (November, 2008). Facilitating critical and scientific thinking using group based problem solving activities in a large undergraduate course. Paper presented at the Annual conference of the Association for Educational Communications and Technology, Orlando, FL.

Furlong, K., Sharma, P., & Kim, K. (October, 2008). Assessment of learning strategies in a large-enrollment, active-learning, general education Geoscience course. Paper presented at the Joint Meeting of the Geological Society of America, Houston, TX.

Sharma, P., Xie, Y., Anderson, A., & Yoo, S. (2008, March). A critical review of learning in constructivist environments. Paper presented at the Annual Convention of the American Educational Research Association, New York City, NY.

Yang, Y. & Sharma, P. (2008, March). Developing critical thinking skills in online criminal justice class through case study teaching approach. Poster presented at the Annual Convention of the American Educational Research Association, New York City, NY.

Sharma, P., Kaplan, G. A., Lim, K., Smith, B., & Hooper, P. (2008, March). Using social network analysis to identify people and conversations in VLSCs. In R. Halverson and E. Halverson (Chairs), *Fantasy sports as participatory media spaces: Early research on new learning environments*. A symposium held at the Annual Convention of the American Educational Research Association, New York City, NY.

Kaplan, G. A., Sharma, P., Lim, K., Smith, B., & Hooper, P. (2008, March). Fantasy basketball: Reflection in action. In R. Halverson and E. Halverson (Chairs), *Fantasy sports as participatory media spaces: Early research on new learning environments*. A symposium held at the Annual Convention of the American Educational Research Association, New York City, NY.

Hsieh, P. & Sharma, P. (2007, July). *Online instructors' perceived experiences*. Presented at TELearn, Jungli City, Taiwan.

Xie, Y., Ke, F. & Sharma, P. (2006, October). *The effect of peer feedback for journaling on college students' reflective skills*. Paper presented at the Annual Convention of the Association for Educational Communications and Technology, Dallas, TX.

Yang, Y. & Sharma, P. (2006, April). *Doctoral students' perception of their research apprenticeship experience.* Paper presented at the Annual Convention of the American Educational Research Association, San Francisco, CA.

Beabout, B., Wise, J., & Sharma, P. (February, 2006). *Extreme makeover: Rethinking teacher tech training*. Paper presented at the Pennsylvania Educational Technology Exposition & Conference (PETE&C), Hershey, PA.

Hsieh, P. H., & Sharma, P. (2005, October). *Preservice teachers' online learning experiences*. Paper presented at Annual Convention of the Association for Educational Communications and Technology (AECT). Orlando, Florida.

Smith, B.K. Sharma, P. Hooper, P., (2005, October). *Learning decision and analysis skills with fantasy sports games.* Paper presented at The 26th Annual Conference of the North American Society for the Sociology of Sport in Winston Salem, NC.

Smith, B. K., Sharma, P., & Sudhakar, R. (2005, October). *Decision making in fantasy sports.* Paper presented at the North American Society for the Sociology of Sport Conference in Winston/Salem, North Carolina.

Kim, K., Grabowski, B. L., & Sharma, P. (2004, October). *Designing a classroom as a learner-centered learning environment prompting students' reflective thinking in k-12.* Paper presented at the Annual Convention of the Association for Educational Communications and Technology, Chicago, IL.

Mao, J., & Sharma, P. (2004, October). *Understanding learner's experience in blended learning.* Paper presented at the Annual Conference of the Association of Educational Communications and Technology, Chicago, IL.

Xie, Y., & Sharma, P. (2004, October). *Students' lived experience of using weblogs in a class: An exploratory study.* Paper presented at the Association for Educational Communications and Technology, Chicago, IL.

Sharma, P., and Fiedler, S. (2004, July). *Introducing technologies and practices for supporting self-organised learning in a hybrid environment.* Presented at the 4th International Conference on Knowledge Management I-KNOW '04, Graz, Austria.

Sharma, P. (2004, June). Integrating Webpublishing in higher education. In S. Fiedler, (Chair), *Introducing disruptive technologies for learning: Personal Webpublishing and Weblogs.* Symposium conducted at the annual conference of the EDMEDIA World Conference, Lugano, Switzerland.

Sharma, P., Gursoy, H., Kim, K., Mao, J., Morales, D. R., and Sockman, B. R. (2003, October). *Scaffolding higher order thinking: Theoretical, practical, and experiential perspectives of related techniques and technologies.* Presented at the annual conference of the Association for Educational Communications and Technology, Anaheim, CA. [Presenter]

Fiedler, S. and Sharma, P. (2003, August). *Integrating Webpublishing and visual mapping tools: Designing environments to support self-organised learning and reflection.* Presented at the biennial conference of the European Association for Research in Learning and Instruction, Padova, Italy. [Co-Presenter]

Sharma, P. and Fiedler, S. (2003, August). *Computational support for self-organised learning: Combining personal Webpublishing systems and mapping tools.* Presented at the biennial conference of the European Association for Research in Learning and Instruction, Padova, Italy. [Presenter]

Sharma, P. and Fiedler, S. (2003, June). *Supporting critical and reflective thinking through personal Webpublishing systems.* Presented at the annual conference of the EDMEDIA World Conference, Honolulu, Hawaii. [Presenter]

Sharma, P. (2003, June). *Using blended instruction to support reflective dialogue: An instructor's reflections on design and practice.* Presented at the annual conference of the EDMEDIA World Conference, Honolulu, Hawaii. [Presenter]

Sharma, P. & Hannafin, M. (2003, June). *Scaffolding critical thinking in an online instructional design course.* Presented at the annual conference of the EDMEDIA World Conference, Honolulu, Hawaii. [Presenter]

Sharma, P. & Hannafin, M. (2002, June). *The evolution of critical thinking and use of scaffolding in a technology-mediated environment: An exploratory study.* Presented at the annual conference of EDMEDIA World Conference, Denver, Colorado. [Presenter]

Matzko, M., Galloway, C., Hardwick, S., Sharma, P., Rieber, L. (2000, February). *Let's share in the thrill of victory: Student attributions in a cooperatively designed computer-based team-games-tournament*. Presentation at the Annual Convention of the Association for Educational Communications and Technology, Long Beach, California.

Noah, D., Nolan, M., Sharma, P., Matzko, M., Rieber, L. (1999, April). *Between fact and fiction: The conservation of propositional knowledge across representational modes*. Presentation at the Annual Convention of the American Educational Research Association, Montreal, Canada.

Chen, P., Serrano, R., Sharma, P. (1998, June). *Reifying design approaches for education and research web sites*. Poster session presented at the Ed-Media World Conference for Educational Media and Hypermedia, Freiburg, Germany.

Grants and Contracts

Seetharaman, K., Laborde, L., Freedman, D., & Sharma, P. (2004-2005). *Opportunities to re-vision outreach extension curricula: Conducting a needs assessment.* Funded by College of Agricultural Sciences Seed Grant, Penn State University, Received $12,700.

Aurand, E., Seetharaman, K., Freedman, D., Sharma, P., & Laborde, L. (2005-2007). *Defining core competencies/knowledges for general food and agricultural sciences: Linking industry needs with secondary education curriculum.* Funded by United States Department of Agriculture, Received $40,000.

Smith, B.K., & Sharma, P. (2005-2008). *Fantasy sports games as cultures for informal learning.* Funded by National Science Foundation, Received $751,120.

Furlong, K.P., & Sharma, P. (2006-2008). *Active learning in large enrollment classes: Learning modules that work.* Funded by National Science Foundation, Received $150,000.

Wagener, T., McGlynn, B, Sharma, P., Gooseff, M., & Marshall, L. (2007-2009). *Modular Curriculum for Hydrology Advancement: Towards an online faculty learning community for Hydrology education.* Funded by National Science Foundation, Received $149,205.

Teaching

INSYS 415, Systematic Design of Instruction. Graduate level course in the design, development, and evaluation of instructional materials. (Fall 2002 to present, regularly taught every fall).

INSYS 521, Instructional Needs Analysis. Graduate level course in analysis of instructional needs. Includes a discussion and implementation of various needs analysis strategies and methodologies. (Fall 2001, Fall 2002, Fall 2003).

INSYS 522, Analyzing Learners and Outcomes. Graduate level course in theoretical and practical techniques for assessing students and outcomes. (Spring 2002-present, regularly taught every spring).

INSYS 597B, Special topics: Scaffolding higher order thinking. Doctoral course in philosophies and theories of scaffolding learning and higher order thinking. (Spring 2003).

INSYS 594, Research Apprenticeship. Graduate level course on engagement in conducting, evaluating, and writing research. (Ongoing in all semesters from Spring 2004).

Additional instructional activities

Designer, Coordinator, and Co-teacher for WebCT workshops, LPSL, UGA
Sep. 1999 - Nov. 1999

Designer, Coordinator, and Co-teacher for Java and HTML workshops, LPSL, UGA
May 1998 - Jul. 1998

Co-instructor, Teaching with Technology (EDIT 2020), UGA
Fall 1999

Academic advising

Doctoral advisees till date – 12
Masters advisees till date – 6

Supervision of Doctoral dissertations

KyoungNa Kim. (2009). Exploring undergraduate students' active learning for enhancing their critical thinking and learning in a large class. (Dissertation co-chair).
Ying Xie (2008). Document analyses of student use of a blogging-mapping tool to explore evidence of deep and reflective learning. (Advisor and dissertation chair).
Beth Rajan Sockman (2007), Examining Teacher's Perceptions about becoming facilitators in one-to-one learning environments, Ph.D. in Instructional Systems. (Dissertation co-chair).
Pei-Hsuan Hsieh (2007). The Effect of Various Online Reading Strategies and Learning Styles on Facilitating Student Achievement of Different Learning Objectives, Ph.D. in Instructional Systems. (Advisor and dissertation co-chair).
Valerie Dudley (2005). Teaching diversity: How personal experience with diversity informs pedagogical choice and practice, Ph.D. in Instructional Systems. (Advisor and dissertation chair).
Pi-Sui Hsu (2005). A Case Study of the Change Process of Integrating Technology into an Elementary Science Methods Course, Ph.D. in Instructional Systems. (Dissertation co-chair).

Supervision of Masters theses

Heng-Huei Han (2009). Applying instructional design models within Penn State World Campus. (Thesis advisor).
Chaohui Huang (2005). Internet Tutorials Design and Instructional Design, M.Ed. in Instructional Systems, (Thesis advisor).
Heesung Kim (2005). Blended Learning: How to Integrate Traditional Classroom Instruction and Internet Instruction, M.Ed. in Instructional Systems, (Thesis advisor).
Min Jeong Lee (2005). Student's Learning through Active Engagement in Cognitive Apprenticeship, M.Ed. in Instructional Systems, (Thesis advisor).

Professional Activities and Service

Service activities within the University

Instructional Systems Program
- Comprehensive Exam Program Committee (2002-2003)
- INSYS Comprehensive Exam Core Reading Committee (2004)
- Professor in charge (Jul. 2008-present)

Department of Learning and Performance Systems
- *Departmental strategic planning committee (2004-2005)*

College of Education
- Search Committee for Assistant/Associate Joint Appointment Faculty, College of Education and IST (Member, 2001-2002)
- Review Committee: Program Development Funds for Outreach (Member, 2002)
- Review Committee: Student, Staff, and Faculty Awards (Member, Spring, 2002)
- Faculty Council (Member, 2002-2004)
- Curricular Affairs Committee (Member, 2002-2003; Chair, 2003-2004)

- Faculty Exchange for the Advancement of Technology in Learning (2006)
- Search committee for Assistant/Associate Professor, Workforce Education, College of Education (Member, 2007-2008)
- Diversity and Community Enhancement Committee (Department representative, 2007-till date)

University-Wide
- Institutional Review Board, Office of Research Protection (Member, 2001-present)
- Strategic Planning Group for Information Technology Services Labs (2006 – present)

Service activities within the discipline

2007-2008, Past President, Training and Performance Division, Association for Educational Communications and Technology.

2006-2007, President, Training and Performance Division, Association for Educational Communications and Technology.

2005-2006, President Elect and Conference Planner, Training and Performance Division, Association of Educational Communications and Technology.

2005-2006, Secretary/Treasurer, Systemic Change Division, Association of Educational Communications and Technology.

2004-2005, Conference planner and Co-Chair for Section 7 (Technology Research), Division C (Learning and Instruction), American Educational Research Association.

Proposal reviewer, Annual convention of the Association of Educational Communications and Technology (AECT) (2002-present)

Proposal reviewer, Annual convention of the American Educational Research Association (AERA) (2003, 2005)

Proposal reviewer, International Conference on Computers in Education (ICCE) (2004)

Proposal reviewer, E-learn and EdMedia conferences sponsored by Association for Advancement in Higher Education (2003-2005)

Manuscript reviewer, Educational Technology Research and Development (2002-present)

Book reviewer, John Wiley and Sons (Book Publishers) (2004-present)

Applied Experience

Research and Evaluation

Lead Evaluator
Nov. 1999 - Feb. 2000: Formative Evaluation of "Virtual Roach" Instructional CD-ROM

Lead Evaluator
Sep. 1998 - Dec. 1998: Formative Evaluation of Instructional Web Site on Pathogenic Bacteriology

Instructional Design and Development

Design and Development of Orientation Module for eCORE™ Web-Based courses, Advanced Learning Technologies, Board of Regents, University System of Georgia (Jul. 2000 - Oct. 2000)

Conceptual Development and Instructional Design for TRIAD (Tactical Readiness Instruction, Authoring, Delivery), Learning and Performance Support Laboratory (LPSL), University of Georgia (Aug. 1999 - Aug. 2000)

Conceptual Prototyping and Interface Design for Teacher Tools for Networks (TOTAL ONE), LPSL, University of Georgia (Jan. 1998 - Aug. 1999)

Instructional Design, Interface Design, and Web Programming for Pathogenic Bacteriology web page, Educational Research Center at the Veterinary School, University of Georgia (Jun. 1998 - Aug. 1998)

Interface Design and HTML programming, LPSL home page, LPSL, University of Georgia (Aug. 1997 - Jan. 1998)

Instructional Design, Interface Design, Programming for CD-ROM on multimedia development, Bloomsburg University (Aug. 1995 - Aug. 1996)

Professional Memberships

- American Educational Research Association (AERA).
- Association for Educational Communications and Technology (AECT).
- European Association for Research in Learning and Instruction (EARLI).
- Association for Advancement of Computing in Education (AACE).