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Areas of Specialization : Research and evaluation • educational technology design • survey research • large-scale data analysis • decision support • technology-supported assessment • problem- and project-based learning • professional development • innovation • evaluation capacity building • research communications

Employment

2019 – present	Founder & President	Evaluation by Design LLC
2018 – 2019	Senior Research Scientist	Digital Promise
2014 – 2018	Senior Program Manager: Education Outreach	Google
2001 – 2013	Director of Research	Buck Institute for Education
2000 – 2001	Postdoc Visiting Scholar	UC-Berkeley & SRI International
1998 – 2000	Research Specialist	UC-Irvine (CRITO)
1997 – 1998	Lead Instructional Designer	GTE Internetworking (was BBN)
1994 – 1997	National School Network Testbed Staff	Bolt, Beranek & Newman (BBN)
1993 – 1994	Computer Teacher	Medford Public Schools
1989 – 1993	Assistant to President, Consultant	Management Strategies

Education

1999 : Ph.D. Instructional Design, Development & Education Syracuse University
3-Year University-wide Fellowship / Dorothea Weinmann Memorial Scholarship
Dissertation: *Conditions that facilitate teacher Internet use in schools with high Internet connectivity*

1989 : Nationally-certified for HS social studies Harvard Graduate School of Education
Undergraduate Teacher Education Program, student taught in Medford High School

1988 : B.A., w/honors combined in Sociology and Psychology Harvard College
Summer research grant from J.F.K. Institute of Politics
Black ministers in Boston: A study of political & religious attitudes

Published Books and Chapters

Fetterman, D.M. & Ravitz, J. (2018). Evaluation capacity building. In B. Frey. (Ed.). *Sage Encyclopedia of Educational Research, Measurement, and Evaluation*. Thousand Oaks, CA: Sage.

Fetterman, D.M. & Ravitz, J. (2018). A Google-enhanced empowerment evaluation approach in a graduate school program, Chapter in *Collaborative, Participatory, and Empowerment Evaluation Approaches: Stakeholder Involvement Approaches*, Guilford: NY, 105-117.

Mergendoller, J. R., Markham, T., Ravitz, J. , & Larmer, J. (2006). Pervasive management of project based learning: Teachers as guides and facilitators. In C. M. Evertson & C. S. Weinstein (Eds.), *Handbook of Classroom Management: Research, Practice, and Contemporary Issues*, Mahwah, NJ: Lawrence Erlbaum, Inc.

Markham, T., Larmer, J. & Ravitz, J. (2004). *Project based learning handbook: A guide to standards-focused project based learning*. Novato, CA: Buck Institute for Education. (translated into 7 languages)

Ravitz, J. (2004). A doorway to new tools and practices: Supporting teacher education, research, and development with an online netcourse. In N. Sabelli and R. Pea. (Eds.). *Uniting people, technology and powerful ideas for learning. Six years of knowledge networking in learning sciences and technologies*, 94-101.

Ravitz, J. (1997). Evaluating learning networks: A special challenge for Web-based Instruction? In B. Khan (Ed.), *Web-based Instruction*, Englewood Cliffs, NJ: Educational Technology Publications, 361-368.

Romiszowski, A. & Ravitz, J. (1997). Computer mediated communications. In A. Romiszowski and C. Dills (Eds.), *Instructional development: State of the art*. Englewood Cliffs, NJ: Educational Technology Publications, 745-768.

Refereed Journal Articles

Ravitz, J., Stephenson, C., Parker, K. & Blazeveski, J. (2017). Early lessons from evaluation of computer science teacher professional development. *ACM Transactions on Computing Education*, 17(4), 21:16.

- Ravitz, J. & Blazevski, J. (2014). Assessing the role of online technologies in project-based learning. *Interdisciplinary Journal of Problem-based Learning*, 8(1).
- Ravitz, J. (2010). Beyond changing culture in small high schools: Reform models and changing instruction with project-based learning. *Peabody Journal of Education*, 85, 290-313.
- Ravitz, J. (2008) Introduction: Summarizing findings and looking ahead to a new generation of PBL research. *Interdisciplinary Journal of Problem-based Learning*, 3(1), 4-11.
- Smith, T. & Ravitz, J. (2008). Problem based learning in college economics. *Academic Exchange Quarterly*, 12(1).
- Ravitz, J. & Hoadley, C. (2005). Supporting change and scholarship through review of online resources in professional development settings. *British Journal of Educational Technology*, 36(6), 967-974.
- Yarnall, L., Penuel, W., Ravitz, J., Murray, G., and Means, B. (2003). Portable assessment authoring: Using handheld technology to assess collaborative inquiry. *Education, Information & Communication*, 3(1), 7-55.
- Ravitz, J. (2002). Using technology to support ongoing formative assessment in the classroom. *Journal of Science Education and Technology*, 11(3).
- Becker, H. & Ravitz, J. (1999). The influence of computer and Internet use on teachers' pedagogical practices and perceptions. *Journal of Research on Computing in Education*, 31(4).
- Becker, H. & Ravitz, J. (1998). The equity threat of promising innovations: Pioneering Internet- connected schools. *Journal of Educational Computing Research*, 18(4).

Scholarly Reports (selected examples)

- Hixson, N., Ravitz, J. & Whisman (2012). *The impacts of extended PBL professional development on West Virginia teachers*. West Virginia Department of Education. Charleston, WV.
- Ravitz, J. (2008). *Evaluation of the Envision Schools' Stuart Foundation Initiative*. Buck Institute for Education. Novato, CA.
- Ravitz, J. (2008). *New Tech High Schools: Results of a national survey*. Buck Institute for Education. Novato, CA.
- Ravitz, J. & Mergendoller, J. (2002). *Teaching with Technology: A statewide professional development program evaluation for the J.A. and Kathryn Albertson Foundation*. Buck Institute for Education. Novato, CA
- Ravitz, J. & Mergendoller, J. (2002). Technology use and achievement in Idaho schools: A statewide study of schools, teachers, and students. *Final evaluation of the Opportunity One Technology Initiative*. Buck Institute for Education. Novato, CA.
- Ravitz, J. (2001). Will technology pass the test? Paper in *PT3 Vision Quest on Assessment in e-Learning Cultures*. US Dept of Ed. Washington, DC.
- Ravitz, J., Becker, H. & Wong, Y. (2000). *Constructivist compatible beliefs and practices among U.S. teachers*. Teaching, Learning & Computing: 1998: UC, Irvine. Report #4. Irvine, CA.
- Becker, H. J., Ravitz, J. & Wong, Y. (1999). *Teacher and Teacher-Directed Student Use of Computers and Software*. Teaching, Learning, and Computing: 1998 National Survey. Report #3. Irvine, CA.
- Ravitz, J., Wong, Y. & Becker, H. (1999). *Report to participants*. Teaching, Learning and Computing: 1998, A National Survey of Schools and Teachers. Irvine, CA.

Peer-Reviewed Conference Papers (selected)

- Ravitz, J., Gallos, L.K., Ravitz-Dworkin, A. (2022). Dashboarding research experiences for undergraduates. Paper presented at Annual Meetings of the Association for Educational Communications and Technology (AECT), October 24, 2022. Las Vegas, NV.
- Ravitz, J., Gerry, J. & Heine, C. (2022). A tool for measuring student skills in a successful entrepreneurship curriculum. Paper presented at Annual Meetings of the Association of Educational Communications and Technology (AECT), October 24, 2022. Las Vegas, NV.
- Ravitz, J., Farmer, R., Grady, K., & Clash, K. (2021, May). Emergency funding for women in undergraduate computing: Toward an asset-based model and research framework. In 2021 Conference on Research in Equitable and Sustained Participation in Engineering, Computing, and Technology (RESPECT) (pp. 1-9). IEEE.
- Vivian, R., Franklin, D., Frye, D., Peterfreund, A., Ravitz, J., Sullivan, F., Zeitz, M. & McGill, M. M. (2020, June). Evaluation and Assessment Needs of Computing Education in Primary Grades. ITiCSE '20: Proceedings of the 2020 ACM Conference on Innovation and Technology in Computer Science Education (pp. 124-130)

- Decker, A., McGill, M., Ravitz, J., Snow, E. and Zarch, R (2018). *Connecting evaluation and computing education research: Why is it so Important?* In Proceedings of the 49th ACM Technical Symposium on Computer Science Education (SIGCSE '18).
- Davis, S., Ravitz, J. & Blazeviski, J. (2018, February). *Evaluating computer science professional development models and educator outcomes to ensure equity*. In 2018 Research on Equity and Sustained Participation in Engineering, Computing, and Technology (RESPECT) (pp. 1-4). IEEE.
- Wang, J., Hong, H., Ravitz, J., Moghadam, S.H. (2016). *Landscape of K-12 computer science education in the U.S.: Perceptions, access, and barriers*. In Proceedings of the 47th ACM Technical Symposium on Computing Science Education (SIGCSE '16).
- Wang, J. Hong, H. Ravitz, J. & Ivory, M. (2015). *Gender differences in factors influencing pursuit of computer science and related fields*. In Proceedings of the 2015 ACM Conference on Innovation and Technology in Computer Science Education (ITiCSE '15).
- Ravitz, J. (2009). *Does Project Based Learning help foster communities of learners in small US high schools?* European Association for Research on Learning and Instruction. (EARLI) Amsterdam NL.
- Ravitz, J. (1999). *Emerging practical theory of assessment: Interactive portfolios*. Third Annual Conference on Computer-Supported Collaborative Learning (CSCL). In G. Stahl (Chair). Workshop for collaborating on the design and assessment of knowledge-building environments. Palo Alto, CA.

American Educational Research Association (selected)

- Ravitz, J., Hixson, N., English, M., & Mergendoller, J. (2011). *Using project based learning to teach 21st century skills: Findings from a statewide initiative*. Vancouver, BC.
- Kale, U., Selmer, S. & Ravitz, J. (2011). *A video case study of a problem-based learning mathematics classroom: Supporting professional development in West Virginia*. New Orleans, LA.
- Smith, T., Roberts, H. & Ravitz, J. (2007). *Assessing the impact of problem-based learning on college student understanding of microeconomics principles*. Chicago, IL.
- Ravitz, J. (2005). *Assessing implementation and impacts of PBL in diverse K-12 classrooms: An interactive poster session*. Montreal, Canada.
- Bransford, J., Means, B., Quellmalz, E., Brophy, S. & Ravitz, J. (2003). *Unlocking the potential of assessments for learning*. Chicago, IL.
- Ravitz, J., Mergendoller, J., Rush, W. (2002). *What's school got to do with it? Cautionary tales about correlations between student computer use and academic achievement*. New Orleans, LA.

Manuscript Reviews

- American Educational Research Journal (2011 Reviewer of the Year) • Educational Researcher • Education Technology Research & Development • Interdisciplinary Journal of Problem Based Learning (Editorial Board) • Teachers College Record • Computer Supported Collaborative Learning • Educational Media International • Journal of Computer-Mediated Communications • International Journal of Continuing Engineering Education and Lifelong Learning • IEEE Transactions on Learning Technologies • Urban Education • Frontiers of Education (China) •

University-level Teaching

- DPC 879: Community Program and Organization Evaluation, Pacifica Graduate Institute * ISED 797: Seminar in Education Research, UC, San Francisco • EDU 287: Data Analysis in Education Research and Evaluation (with H. Becker), UC, Irvine • EDU 279: Research Methods Applied to Administrative Practice (with H. Becker) UC, Irvine • IDE 501: Foundations of Educational Technology (with Don Ely), Syracuse University • IDE 506: Computers in the Classroom (with Dan Lake), Syracuse University-LeMoyne College •

Guest Lectures

- Claremont Graduate University (Eval) • University of Toronto (Ed Tech) • Beijing Normal University (PBL) • Purdue Univ. (Ed Tech) • San Jose State University (Instructional Design) • Univ. of Hawaii, Manoa (Technology and Social Justice) • Stanford Univ. (Learning Design and Technology) • UC, Berkeley Evaluation & Assessment Research (BEAR) Seminar • UC, Berkeley (Cognition and Development) Colloquium • UC, Berkeley (Intro to Social Sciences) • Syracuse Univ. (IST- Summer Institute on Evaluating Internet Based Services) •