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## Daniel T. Hickey, Ph.D

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### EDUCATION

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Vanderbilt University	Ph.D.	1996	Psychology (Cognitive Studies)
Vanderbilt University	M.S.	1993	Psychology
San Diego State University	B. A.	1984	Liberal Studies (Educational Technology)

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### PROFESSIONAL APPOINTMENTS

Professor, Learning Sciences Program, Department of Counseling and Educational Psychology, Indiana University. 2014-present.

Research Scientist, Center for Research on Learning and Teaching, Indiana University, 2005-present

Senior Fellow, Center for Applied Cybersecurity Research, Indiana University, 2018-present

Program Coordinator, Learning Sciences Program, Department of Counseling and Educational Psychology, Indiana University. 2011-2018

Associate Professor, Learning Sciences Program, Department of Counseling and Educational Psychology, Indiana University. 2005-2014

Assistant Professor, Department of Educational Psychology, Research Scientist, Learning & Performance Support Laboratory; University of Georgia. 2000-2005.

Assistant Professor, Department of Educational Psychology & Special Education, Georgia State University, 1997- 2000.

Postdoctoral Fellow, Center for Performance Assessment, Educational Testing Service, Princeton, NJ, 1995-1997.

Graduate Research Assistant, Learning Technology Center, Vanderbilt University, 1989-1995.

Research Associate, Human Resources Research Organization (HumRRO), Applied Cognitive Research Group, Alexandria, VA, 1986-1987.

Technical Training Specialist, General Dynamics DataGraphiX Corporation, San Diego, CA. 1985-1986.

Research Assistant, Applied Behavioral & Cognitive Sciences, Inc., San Diego, CA, 1982-1985.

Research Assistant, Center for Telecommunications, San Diego State University, 1981-1982.

Elementary Computing Specialist, Imperial Beach School District, 1981.

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### GRANT FUNDING

#### Pending Proposals

Hickey, D. T., Hughes, M. M., Bayes, B. (2020, January). *Enhancing formative and summative assessment: Working smarter not harder*. Proposal submitted to the US Airforce's *Linguist*

*Next Initiative at the Defense Language Institute, in partnership with the University of Maryland (\$262,344/\$206,219, Principal Investigator; initiative paused in March 2020)*

### **Externally-Funded Research**

- Piety, P., & Hickey, D. T., (2019, June 20). *Collaboration in the Future of Work: Developing Playable Case Studies to Improve STEM Career Pathways*. Project funded by the US National Science Foundation's Improving Undergraduate STEM Education Program (\$1,500,000/\$273,087)
- Jackson, C. & Welch V. (2018-2020). *PACT: Principle-based Assessment Cybersecurity Toolkit*. Subcontract from the Secretary of Defense via AECOM. (Senior Personnel, \$1,700,000/\$69,105)
- Hickey, D. T. (2014-2016). *Open badges in Open edX and beyond*. Grant from the MacArthur Foundations Digital Media and Learning Initiative (\$399,253. Principal Investigator).
- Hickey, D. T. (2013-2014). *Big Open Online Class (BOOC) for Assessment Policies, Principles, and Practices*. Grant from the Google Foundation (\$49,988, Principal Investigator).
- Hickey, D. T. (2012-2014). *Documenting design principles from the Badges for Lifelong Learning initiative*. Grant from the MacArthur Foundation's Digital Media and Learning Program (\$399,000, Principal Investigator).
- Hickey, D.T. (2009-2010). *Empowering a 21<sup>st</sup> Century learning environment in Monroe and Eastern Green County Schools*. Sub-award from Monroe County Community Schools Corporation from Federal Educational Technology Grant (\$75,000, Project Director).
- Hickey, D. T. (2008-2011). *A 21<sup>st</sup> century assessment project for situated and sociocultural approaches to learning*. Sub-award from the University of Arizona from a grant from the Macarthur Foundation to Principal Investigator James Gee (\$210,000, Project Director).
- Hickey, D. T., Mewborn, D. S, & Lewison, M. A. (2005-2008). *Multi-level assessment for enhancing mathematical discourse, curriculum, and achievement in diverse elementary school classrooms*. Grant REC 0553072 from the US National Science Foundation's Research on Learning Environments (ROLE) program to Indiana University (\$824,214, Principal Investigator).
- Barab, S. A., Hay, K. E., & Hickey, D. T. (2006). *ICLS 2006: Making a difference*. Conference Grant from the National Science Foundation to Indiana University (\$50,000, Co-PI).
- Barab, S. A., Herring, S., Hickey, D., & Blanton, B. (2004-2007). *Quest Atlantis: Advancing a Socially-Responsive, Meta-Game for Learning*. Grant REC-0411846 from the National Science Foundation to Indiana University (\$1,516,075, Co-PI).
- Hannafin, M. J., Hickey, D. T. (2003-2005). *Georgia Department of Education Title IId Initiative Evaluation*. Subcontract from the Georgia Department of Education to the Learning & Performance Support Laboratory from the US Title IId Program (\$400,000, Co-PI).
- Hickey, D. T. (2003-2005). *Design-based implementation and evaluation of NASA CET multimedia science curriculum*. Award from the NASA Center for Educational Technology to the Learning and Performance Support Laboratory (\$290,604, Principal Investigator).

- Hickey, D. T. (2001-2004). *Assessment, motivation, & epistemological reconciliation in a technology-supported learning environment*. Grant REC-0196225 from the National Science Foundation, Division on Research, Evaluation, & Communication to the University of Georgia (\$444,000, Principal Investigator).
- Hickey, D. T. (2001). *Dimensions of participation in collaboration*. Grant from the NSF-funded Center for Interactive Learning Technologies Seed Grant Program to the University of Georgia (\$14,000, Principal Investigator).
- Hickey, D. T. (2001). *Evaluation services for "Griffith in Context: A Multimedia Exploration of a The Birth of a Nation"* Sub-award from National Endowment for the Humanities Education Development and Demonstration Grant #ED-21445-99 to Georgia Institute of Technology (\$7,410 of \$165,000 award to Principal Investigators Ellen Strain and Greg VanHoosier-Carey in July, 1999, Evaluation Director).
- Hickey, D. T. (1998). *Performance Assessments for the Learning by Design Project*. Sub-award from National Science Foundation, Materials Development Program Grant ESI-9553583 to the EduTech institute at Georgia Institute of Technology to Principal Investigator Janet Kolodner to the University of Georgia (\$71,918, Evaluation Director).
- Hickey, D. T. (1999). *Student Assessment and Program Evaluation for the Learning by Design Project*. Sub-award from National Science Foundation, Materials Development Program Grant ESI-9818828 to the EduTech institute at Georgia Institute of Technology to Principal Investigator Janet Kolodner to Georgia State University (\$168,000, Evaluation Director).
- Hickey, D. T. (1997-1999). *Assessing student learning in a hypermodeling computer environment*. Sub-Award National Science Foundation, Applications of Advanced Technology Program Grant RED-95-5348 to the Concord Consortium to Georgia State University (\$133,000, Principle Investigator).
- Hickey, D. T. & Pellegrino, J. (1994). *Constructivism, motivation, & achievement: the academic and motivational consequences of classroom environments and instructional programs*. ward from the NSF/AERA Grants Program, Evaluation and Dissemination Program to carry out a school-based evaluation of a technology-supported mathematics curricula developed by the Vanderbilt Learning Technology Center (\$32,000, Principal Investigator).

### **Internally-Funded Research**

- Hickey, D. T. (2020). *Investigating and Online Course Feature and Instructor (Re)Positioning for Equity using Social Learning Analics*. Grand from the Indiana University Learning Analytics Fellows Program (\$2000).
- Hickey, D. T., Robinson, J., & Duncan, J. (2019-2020) *Collaborative Learning Analytics of Developmental, Supplemental, and Tutorial Services*. Grant from the Indiana University Learning Analytics Fellows Program (\$10000/\$4,333).
- Hickey, D. T., Brassell, S, & Svetina, D. (2018-19). *Measuring students' perceptions of framing and presence in online courses*. Grant from the Indiana University Scholarship of Teaching and Learning Grants Program (\$5000)
- Hickey, D. T. (2015-2016). *Analyzing the transition from developmental to supplemental education*. Grant from the Student Learning Analytics Fellow Program, Office of the Vice Provost of Undergraduate Education, Indiana University (\$2000)

- Hickey, D. T. (2015-16). *Advancing participatory learning and assessment in online and open courses*. Grant from the Indiana University Faculty Support Resubmission Program (\$60,000).
- Hickey, D. T. (2014-2015). Beyond surveys and data mining: Searching for new and potentially more useful indicators of student engagement. Grant from the Student Learning Analytics Fellow Program, Office of the Vice Provost of Undergraduate Education, Indiana University (\$2000)
- Hickey, D. T. (2013-2014). *Integrating eText into a Big Open Online Course*. Indiana University Office of the Vice Provost of Information Technology (\$10,000, Principal Investigator).
- Walsh, J. D., & Hickey, D. T. (2012-2013). *Designing for participation in hybrid delivery of a large media production course*. Grant from the Indiana University Center for Improvement of Teaching and Learning (\$7000, Co-Investigator).
- Hickey, D. T. (2011-2012). *Networked peer review for engagement, understanding, and achievement in secondary composition instruction*. Indiana University School of Educational Proffitt Competition (\$19,000 plus tuition stipend, Principal Investigator).
- Hickey, D. T. (2010-2011) *E-portfolio faculty scholars grant*. Office of the Vice President of Information Technology, Indiana University (\$15,000, Principal Investigator).
- Hickey, D. T., Pepler, K., Danish, J., and Barab, S. (2009-2011). *On-line certificate program in Learning Sciences and New Media and Technology*. Indiana University IDEA initiative (\$75,000, Project Director).
- Hickey, D. T. (2004). Technology-supported multi-level assessment for improving mathematical teaching, learning, and achievement. University of Georgia Faculty Research Grants Program. (\$10,000, Principal Investigator).
- Hickey, D. T., Wallace, C., Hay, K., Recesso, A. (2002). *Video-supported formative assessment of inquiry-oriented activity and instruction*. Grant from the UGA Professional Preparation of Educators Mini-Grant Program to the Learning and Performance Support Laboratory (\$3,300, Principal Investigator).
- Hickey, D. T., Kruger A. C., & Weinburgh, M. (2000). *Formative Assessment Practices Research*. Award 01-012 from Georgia State University's Research Program Enhancement Fund. Awarded June, 2000, but rescinded July 2000 in light of Dr. Hickey's departure from Georgia State University (\$39,900 per year, for three years, Principal Investigator).
- Hickey, D. T. (1999). *Motivational interventions in computer-supported learning environments*. Grant from the Georgia State University Research Initiation Fund (\$5000, Principal Investigator).
- Hickey, D. T. (1998). *A network-supported inquiry-based learning environment*. Award from the College of Education New Faculty GRA Support Program (\$2000, Supervisor).
- Hickey, D. T., & Harmon, S. W. (1998). *Portable wireless LAN for classroom computing research*. Grant from the Georgia State University Quality Improvement Fund (\$18,500 Principal Investigator).

### **Unfunded External Research Proposals**

- Hickey, D. T., Lester, J. N., & Pawan, F. (2020, declined). *Online Expansive and Expert Framing for Secondary Computer Science College and Career Pathways*. Proposal submitted to the Innovative Technology Experiences for Students and Teachers initiative at the US National Science Foundation. (\$1,500,000 requested).
- Hickey, D. T., Hao, J., & Campbell, S. G. (2019, declined). *A controlled comparison of expert and expansive framing of undergraduate cybersecurity learning*. Proposal submitted to the US National Science Foundations' Education and Human Resources Core Research Program (\$1,500,000 requested).
- Gehreninger, E. F., Babick D., Kidd, J. Hickey, D. T., Tinapple, D. (2018-2021, declined). *Collaborative Research: Peer-Assessed Micro-Credentialing for Certifying 21st-Century STEM Competencies*. Proposal submitted on December 12, 2017, to the National Science Foundation Advancing Undergraduate STEM Education program (#1821617 \$1,998,000/\$273,086/\$86,869).
- Hickey, D. T., Gehreninger, E. F., & Kidd, J. (2017-2019, declined). *PeerCred: Quality assurance for endorsement in peer-assessed credentials*. Proposal submitted to the National Science Foundation's Cyberlearning and Future Learning Technologies Program on February 10, 2017. (#1735964, \$547,762/\$274,997/\$92,053)
- Gehreninger, E. F., Babick D., Kidd, J. Hickey, D. T., Tinapple, D. (2017-2020, rejected). *Microcredentialing through peer assessment: Disrupting 21<sup>st</sup> Century STEM education*. Proposal submitted on January 12, 2017, to the National Science Foundation Advancing Undergraduate STEM Education program (#1726636, \$1,998,000/\$273,086/\$86,869).
- Trautmann N. M., Thompson, M. E., Renninger, K. A., & Hickey, D. T. (2017-2020, rejected). *Building interest in STEM: Design principles for digital badges that deepen online learning*. Proposal submitted to the National Science Foundation Advancing Informal STEM Learning program on November 2, 2016. (#1713007, \$1,877,706/ \$289,538/\$92,875)
- Hickey, D. T. (2016, September 15). *Initial proposal for supporting Lumina's Goal 2025 with open e-credentials*. Request proposal brief submitted to the Lumina Foundation.
- Walker, G., Chklovski, T. (2016, March 19, declined). *STEM@HOLMM (Home & Online in Libraries & Museums with Mentors)*. Proposal submitted to the US Integrated Museum & Library Services, STEM Experts Initiative (\$1,496,693 requested, Researcher).
- STEM@HOLMM (Home & Online in Libraries & Museums with Mentors). (2016-2019, declined). *Advancing STEM engagement and success with conventional, virtual, and networked supplemental instruction*. Proposal submitted to the National Science Foundation's Improving Undergraduate STEM Education Program on January 13, 2016 (#1625098, \$598,502/\$192,560 requested).
- Hickey, D.T., Berkopes, K., & Duncan, J. (2016-2019, declined). *Advancing STEM engagement and success with conventional, virtual, and networked supplemental instruction*. Proposal submitted to the National Science Foundation program in Improving Undergraduate STEM Education (#1625098, \$598,502 requested)
- Hickey, D. T., Landy, D., & Jacobson, E. (2016-2018, declined). *Seamless cyberlearning modules for perceptual and social mathematical engagement*. Proposal submitted to the National Science Foundation's Cyberlearning and Future Learning Technologies Program on December 18, 2015 (#1623674, \$549,988/\$174,928 requested).

- Hickey, D. T. & Jacobson, E. D. (2016-2019, declined). *STEM PLANets (Participatory Learning and Assessment Networks) for online engagement, understanding, and achievement*. Proposal submitted National Science Foundation's Discovery Research PreK-12 Program on December 6, 2015. (#1621109, \$449,615/\$147,131 requested)
- Hickey, D. T. & Recesso A. (June 26, 2015, declined). *Developing stackable digital credentials for traditional and emerging careers*. Proposal submitted to the US Department of Education's First in the World program (\$294,556 requested).
- Hickey, D. T., Jacobson, E. D., Koh, J. H. (December 19, 2014, declined). *Open-Source Apps for Discussion-Based Online Learning in Mathematics and Beyond*. Proposal submitted to the NSF Cyberlearning Initiative (#1523184, \$450,000 requested)
- Hickey, D. T., & Maltese, A. (March, 2014, declined). *Dual Credit PLANet (Participatory Learning and Assessment Network)*. Proposal submitted to Cyberlearning Program at the National Science Foundation (#1441160, \$548,339 requested).
- Hickey, D. T., & Collins-Thompson, K. (January, 2014, declined). *STEM PLANet (Participatory Learning and Assessment Network)*. Proposal submitted to the Advancing Informal STEM Education program at the National Science Foundation (#1422703, \$1,100,000, Principal Investigator).
- Hickey, D. T. (May 2014, declined). *Indiana Virtual Laboratory School: Participatory Learning and Assessment for Online Students, Teachers, and Schools*. Proposal submitted to the Lyle Spencer Research Awards Program, Spencer Foundation (\$1,000,000, Principal Investigator).
- Hickey, D. T. (2013, declined). *Wikifolios for engaged personalization in middle school writing*. Proposal submitted to the Gates Foundation's Literacy Courseware Initiative. (\$400,000 requested. Principle Investigator).
- Weiss, C., Hickey, D. T. (2012, November, declined). *Engaging future food safety scientists through participatory online environments*. Proposal submitted to the National Science Foundation Division of Research on Learning in Formal and Informal Settings (\$1,122,426 requested, Co-PI).
- Hickey, D. T., & Haro, N. (2012, January, declined). *Participatory assessment network for algebraic understanding and achievement*. Proposal submitted to the National Science Foundation Discovery Research K-12 program (\$448,000 requested, Principal Investigator).
- Hickey, D. T., & Brown, C. (2011, January, declined). *Deepening and Broadening Project-Based Algebra with Participatory Design*. Proposal submitted to the National Science Foundation's Discovery Research K-12 program (\$448,201, Principal Investigator).
- Quinn, A., Seggerman, S., & Hickey, D. (2010, declined). *Games, science, & society lab*. Proposal # 1010955 submitted to the National Science Foundation, Division of Research on Learning in Formal and Informal Settings (\$1,813,170, Co-PI).
- Loper, S., Corrigan, S., Brown, N., & Hickey, D. (2010, declined). *Taking learning progressions to school: Designing curriculum for excellence and equity*. Proposal # 1019219 submitted to the National Science Foundation, Division of Research on Learning in Formal and Informal Settings (\$3,499, 918 requested, Co-PI).

- Hickey, D. T., Jenkins, H. & Reilly, E. (2010, declined). Participatory activities and assessment network (PAAN): Aligning social, civic, and academic engagement for achievement and college success. Proposal submitted to the Gates Foundation College Ready Education Program (Principal Investigator).
- Hickey, D. T. (2009, declined). *Digital public voices for school-based civic expression, identity, and action*. Proposal submitted to the Spencer Foundation Civic Learning and Civic Action initiative (\$417,411, Principal Investigator).
- Hickey, D. T. (2009, discouraged). *Participatory activities and assessment network: Aligning informal social, civic, and academic engagement in science*. Preliminary proposal #094755 Submitted to the National Science Foundation Informal Science Education (ISE) program (\$249,799 requested, Principal Investigator)
- Hickey, D. T. (2008, declined). *Digital public voices for school-based civic action and expression*. Proposal submitted to the Spencer Foundation Initiative on Civic Learning and Civic Action (Principal Investigator)
- Barab, B., Gresalfi, M., Sherwood, R., Hickey, D. & Lesh, R. (2007, declined). *Learning in the 21<sup>st</sup> Century: Teacher got game*. Proposal #0733293 submitted to the National Science Foundation Division of Research on Learning in Formal and Informal settings (\$2,998,578 requested, Co-PI)
- Hickey, D. T., Sherwood, R. D., Delandshere, G., Lester, F., & Bonner, J. (2007, declined). *Indiana University STEM Assessment Scholars Program*. Proposal submitted to the National Science Foundation DR-K12 Initiative, March 28. (\$1,312,462 requested, Principal Investigator)
- Hickey, D. T., Beckmann, S., Mewborn, D. S., & Lanehart, S. L., (2004, declined). *Semi-formal classroom assessment for enhancing curriculum, discourse, understanding, and achievement in elementary mathematics. Multi-level assessment for enhancing mathematical discourse, curriculum, and achievement in diverse elementary school classrooms*. Proposal submitted to the National Science Foundation's Instructional Materials Development (IMD) program. University of Georgia. (\$717K requested).
- Hay, K. E., Shaw, J. S., & Hickey, D. T. (2004, declined) Modeling-Based Inquiry: VR modeling tools, inquiry-based instructional materials, and video case-based professional development. Proposal submitted to the NASA Explorer Schools (NES) Instructional Materials and Professional Development program. University of Georgia. (\$477K requested).
- Hickey, D. T., Hannafin, M. J., Mewborn, D. S., & Beckman, S. (2004, declined). *Improving student learning in elementary mathematics through the alignment of instruction, multi-Level assessment, and feedback*. Proposal submitted to the U. S. Department of Education, Institute of Educational Sciences, Mathematics and Science Education Research Grants Program (\$907,986 requested).
- Hickey, D. T., Covich, A. P., Kim, S. H., & McGee, S. M. (2003, declined). Alignment of worthwhile instruction, assessment, and testing in a middle school ecology curriculum. Proposal submitted to the National Science Foundation, Research on Learning Environments program (\$946,106 requested)
- Mausel, P. W., Dias, N. W., Hickey, D. T., Skelton, D. L. (2003, declined). *Academic content development/ educational materials for youth (ACADEMY): A prototype for quality materials development for earth and environmental sciences education for grades 9-12*. National Science Foundation's Elementary and Secondary Instruction (ESI) Instructional Materials Development (IMD) program (\$504,752 requested).
- Barab, S. A., Derry, S. J., Goldstone, R. L., Herring, S. C., Hickey, D. T. (2003, declined). *Building design-based research centers: New frontiers in the interdisciplinary study of mind, cognition, context, & design*. National Science Foundation, Science of Learning Centers Catalyst Grant Program (\$249,593 requested).

- Hickey, D. T., & Hay, K. E. (2003, declined). *Reflective evidence for impact and evidence in computational modeling environments*. National Science Foundation's Research on Learning & Education program (\$791, 232 requested).
- Hickey, D. T., Shaw, J. S., & Hay, K. E. (2003, declined). *Developing and validating web-based assessments of authentic scientific inquiry*. Proposal submitted in September 2002 to the National Science Foundation's Division of Undergraduate Education (DUE) Program on Assessing Student Achievement (\$441,533 requested).
- Mausel, P. W., Dias, N. W., Hickey, D. T., Skelton, D. L., Williams, R. O. (2002, declined). *Academic content development/educational materials for youth (ACADEMY): A prototype for quality materials development for earth and environmental sciences education for grades 9-12*. Proposal submitted August 2002 to the National Science Foundation's Elementary and Secondary Instruction (ESI) Instructional Materials Development (IMD) program (\$607,796 requested).
- Hickey, D. T., Azoff, E. A., Hay, K. E., Olive, J., Roulston, K. J. (2002, declined). *Assisting and evaluating technology-supported participation in math and science practices by all MSP partners*. Proposal submitted in March 2002 to the National Science Foundation's Math and Science Partnership (MSP) Goal Three Initiative. (Amount requested, \$246, 797.)
- Hickey, D. T., Preissle, J. P., Wisenbaker, J. (2002, declined). *Accountability, standards, and the implementation of formative science assessment*. Proposal submitted in May 2002 to the Interagency Educational Research Initiative (IERI) (\$810,589 requested).
- Barab, S., Sabelli, N., Krajcik, J., Kolodner, J., Hickey, D. (2002, declined). *Scaling out: A macro-level design experiment*. Proposal submitted to the National Science Foundation's Research on Learning Environments (ROLE) program (\$1,799, 548 requested).
- Hay, K. E., Guzdial, M., Hannafin, M. J. & Hickey, D. T. (2001, declined). *The development, extension, and validation of a the Integrated Temporal Multimedia Data (ITMD) research model*. Proposal submitted December 2001 to National Science Foundation's Information Technology Research (ITR) program (\$3,914,311 requested).
- Hickey, D. T., & Hay, K. E. (2001, declined). *Systemically valid science assessment practices for ubiquitous digital video*. Proposal to NSF's Research on Learning Environments (ROLE) program (\$648,645 requested).
- Hannafin, M. J., Guzdial, M., Hay, K. E., Hickey, D., & Hutchins, R. R. (2000, declined). *IT tools for representing and sharing data in distributed, collaborative, research and development*. Proposal submitted to the National Science Foundation's Information Technology Research (ITR) program (2,605,380 requested).

### **Unfunded Internal Research Proposals**

- Borner, K., Burke, K., Hickey, D., Kagonovich, M., Motz, B., Rehrey, G., Robinson, J., Shepard L., & Slaper, T. (2017, declined). *Educational data sciences: Enhancing pathways for lifelong success*. Proposal submitted to the Indiana University Grand Challenges Initiative. (\$2,255,55 requested, Co-PI)
- Borner, K., Burke, K., Goldstone, R., Groth, D., Hickey, D., Kagonovich, M., Morrone, A., Motz, B., Rehrey, G., Robinson, J., Shepard L., & Slaper, T. (2016, declined). *Educational data sciences: Precision learning, teaching, and leadership*. Proposal submitted to the Indiana University Grand Challenges Initiative. (\$2,233,636 requested, Co-PI)
- Hickey, D. T., & Haro, N. (2011, declined). *Design principles for digital professional networks for secondary STEM educators*. Proposal submitted to the Indiana University Collaborative Research Grants program (\$100,000, Principle Investigator).
- Hickey, D. T. (October, 2008, declined). *Developing digital public voices for creative and political expression*. Proposal Submitted to the Indiana University New Frontiers in the Arts and Humanities Program (\$50,000, Principal Investigator).



- Hickey, D. T. (September, 2008, declined). *Fostering worthwhile school-based participation in digital arts and humanities*. Proposal to the Indiana University Institute for Digital Arts and Humanities Fellowship Program (\$70,000, Principle Investigator).
- Hickey, D. T. (January 2008, declined). *Examining and enhancing the usefulness of technology-based practice achievement tests*. Proposal to the IU School of Education Kempf Grants Program (\$19,160, Principal Investigator).

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## PUBLICATIONS

### In Progress

- Hickey, D. T. & Harris, T. (in preparation). Re-imagining online grading, assessment, and testing using situated cognition. Accepted proposal for a contribution to special issue of *Distance Education* on “reimagining assessment in online and distributed learning” due November 2020.
- Hickey, D. T., S. L., & Chartrand, G. T. (in press). *Competencies in context: New approaches to capturing, recognizing, and endorsing learning*. In Bishop, M. J., Boling, E., Elen, J., & Svihla, V. (Eds.). *Handbook of research in educational communications and technology*. New York, NY: Springer.
- Hickey, D. T. (in review). Productive Disciplinary Engagement and Expansive Framing: The Situative Legacy of Randi Engle. In M. McCaslin & T. Good (Eds.) *Routledge Online Encyclopedia of Education*. Submitted May 2020.
- Hickey, D. T., Duncan, J., Gaylord, C., Hitchcock, C., Itow, R., & Stephens, S. (in press). gPortfolios: A pragmatic approach to online asynchronous assignments. For a special issue of *Information and Learning Sciences* on emergency remote instruction. Accepted May 2020
- Hickey, D. T., & Lam, D. (in progress). Emerging perspectives on the transfer of learning. In A. O’Donnell & J. Reeve, J. *Handbook of educational psychology*. Oxford University Press
- Hickey, D. T., Chartrand, G., & Harris, T. (In progress). *A comprehensive review of productive disciplinary engagement and expansive framing*.

### Peer-Reviewed Articles

- Hickey, D. T., Chartrand, G. T., & Andrews, C. D. (2020). Expansive framing as a pragmatic theory for instructional design. *Educational Technology Research and Development* [Special issue on *The crucial role of theoretical scholarship for learning design and technology*] 68 (2), 751-782.
- Hickey, D. T., & Chartrand, G. T. (2020). Recognizing competencies vs. completion vs. participation: Ideal roles for web-enabled digital badges. *Education and Information Technologies*, 25 (2), 943-956.
- Hickey, D. T., Robinson, J., Fiorini, S., & Feng, Y. (2019). Internet-based alternatives for equitable preparation, access, and success in gateway courses. *The Internet in Higher Education*, 1-14

- Casilli, C, & Hickey, D. T. (2016). Transcending conventional credentialing and assessment paradigms with information-rich digital badges. *The Information Society*, 32 (2), 117-129.
- O'Byrne, W.I., Schenke, K., Willis, J.E., Hickey, D.T. (2015). Digital badges: Recognizing, assessing, and motivating learners in and out of school contexts. *Journal of Adolescent and Adult Literacy*, 58 (6), 451-454.
- Hickey, D. T. (2015). A situative response to the conundrum of formative assessment. *Assessment in Education: Principles, Policy & Practice*, 22(2), 202-223.
- Voogt, J., Laferrière, T., Breuleux, A., Itow, R. C., Hickey, D. T., McKenney, S., (2015). Collaborative design as a form of professional development: Teacher learning by design. *Instructional Science*, 42 (2), 259-282. (DOI.org/10.1007/s11251-014-9340-7
- Filsecker, M., Hickey, D. T. (2014). A multilevel analysis of the effects of external rewards on elementary students' motivation, engagement, & learning. *Computers & Education*, 75, 136-148 (DOI .org/10.1016/j.compedu.2014.02.008; ISI Impact = 2.77).
- Shen, X, Hickey, D. T., Li, S., & Li, Y. (2014). How to enhance participation, learning and assessment in Big Open Online Course (in Chinese). *Open Education Research*, (3) 63-70.
- Hickey, D. T., & Rehak, A. (2013). Wikifolios and participatory assessment for engagement, understanding, and achievement in online courses. *Journal of Educational Media and Hypermedia*, 22 (4), 229-263.
- Hickey, D. T., & Zuiker, S. J. (2012). Multi-level assessment for discourse, understanding, and achievement in innovative learning contexts. *The Journal of the Learning Sciences*, 22, (4) 1-65 (DOI: 10.1080/10508406.2011.652320; ISI Impact = 3.04).
- Hickey, D. T., Tassoobshirazi, G., Cross, D. (2012). Assessment as learning. Enhancing discourse, understanding, and achievement in innovative science curricula. *Journal of Research in Science Teaching*, 49, 1240-1270 (DOI: 10.1002/tea.21056; ISI Impact = 2.55).
- McWilliams, J., Hickey, D. T., Hines, M. B., Conner, J. M., & Bishop, S. C. (2011). Using collaborative writing tools for literary analysis: Twitter, fan fiction, and *The Crucible* in the secondary English classroom. *Journal of Media and Literacy Education* (2), 3.
- Davis, H. J., Pepler, K. A., & Hickey, D. T. (2011). Assessment assemblage: Advancing portfolio practice through assessment state theory. *Studies in Art Education*, 52 (3), 213-224.
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- Hickey, D. T., Andrews, C., Chartrand, G., Itow, R. (2019, June). Expansive framing for equitable PDE in online CSCL contexts. In K. Lund, G. Niccolai, E. Lavoue, C. Hmelo-Silver, G. Gweon, & M. (Eds.), *Proceedings of the biennial meeting of Computer Supported Collaborative Learning, Volume 1* (pp. 760-770)  
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- Hickey, D. T., Andrews, C. D., & Chartrand, G. T., (2019, June 19). Digital badges for capturing, recognizing, and endorsing broad forms of learning. In K. Lund, G. Niccolai, E. Lavoue, C. Hmelo-Silver, G. Gweon, & M. (Eds.), *Proceedings of the biennial meeting of Computer Supported Collaborative Learning, Volume 1* (pp. 656-659)  
<https://www.cscl2019.com/upload/pdf/CSCL-2019-Volume-1.pdf>
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### **Electronic Publications**

*Remediating Assessment*. Research blog with 93 posts since 2007 and 69,922 page views as of April 22, 2014. [www.remediatingassessment.blogspot.com](http://www.remediatingassessment.blogspot.com)

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Hickey, D.T., & Nelson, B. (2010, February). *Measuring classroom progress: 21<sup>st</sup> Century Assessment Project wants your input*. Investigation, report, and blogpost commissioned by the MacArthur Foundations Digital Media and Learning Program. Published at *Spotlight on Digital Media and Learning* at <http://spotlight.macfound.org/blog/entry/measuring-classroom-progress-21st-century-assessment-project-input>

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### **AWARDS**

Sakai Teaching with Innovation Award (Finalist, 2011). Sakai Foundation

Postdoctoral Fellowship, Center for Performance Assessment, Educational Testing Service, Princeton, NJ (1995-1997)

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### **INVITED OPPORTUNITIES**

#### **Keynotes**

Hickey, D. T. (2018, November 27-29). *Badges in context and Key considerations: Assessment of competencies*. Presentations at *Microcredentials and Digital Badges in Higher Education* conference. Savannah, GA.

Hickey, D. T. (2016, October 27). *Open Badges and ePortfolios in competency-based education*. Invited keynote presentation. ePortfolio Open Badges and Identity Conference: Pallazzo Ghudi, Bologna Italy.

Polly, P., Bull, B. Hickey, D., Casilli, C., Presant., D., & Ravet, S. (2016, October 27). *ePortfolios, pedagogical creativity, and open digital credentials*. Invited keynote session. ePortfolio Open Badges and Identity Conference: Bologna Italy.

Hickey, D. T. (2016, May 12). *Open digital badges + ePortfolios: Searching for and supporting synergy*. Invited keynote address at the 2016 Midwestern Regional Meeting of the Association for the Advancement of Experiential and Evidence-Based Learning. South Bend, IN.

Hickey, D. T. (2015, January 27). *Open badges 1.0 lessons learned; Open badges 2.0, what's next?* Invited Keynote Presentation, eMadrid Seminar on Badges for the Recognition of Learning in the Digital Age. Madrid, Spain. <http://www.emadridnet.org/en/emadrid-seminar-badges-recognition-of-learning-digital-age/xblock-badges-based-technology-for-edX>

Kohn, A., & Hickey D. T. (2014, July). Invited keynote debate at the 12<sup>th</sup> Annual e-Portfolio, Open Badges, & Identity conference, London England.

### Media Interviews

Isaacman, E. (2020, April 23). IU move classes online, but out of state tuition still applies. Here's why. *Indiana Daily Student*. <https://www.idsnews.com/article/2020/04/online-classes-use-out-of-state-tuition-summer-fall-2020>

Slaby, M. J. (2020, March 24). Coronavirus in Indiana: What will happen if schools are closed longer than May 1? *Indy Star*. <https://www.indystar.com/story/news/education/2020/03/24/coronavirus-indiana-what-happen-if-schools-closed-longer/2899880001/>

Slaby, M. J. (2020, March 20). "Just the beginning": Teachers, parents reflect on eLearning as school remain closed. *Indy Star*. <https://www.indystar.com/story/news/education/2020/03/20/coronavirus-indiana-parents-teachers-on-elearning-amid-closures/2869683001/>

Helmer, J. (2019, April 22). 4 steps towards making best badging decisions at your college. *University Business Magazine*. <https://universitybusiness.com/4-steps-toward-making-best-badging-decisions-at-your-college/?highlight=Hickey>

McKenzie, L. (2018, October 19). Next for SNHU: Game-based learning and digital badges for middle schoolers. *Inside Higher Education*. <https://www.insidehighered.com/digital-learning/article/2018/10/19/acquisition-snhu-seeks-pathway-between-k-12-college-and-work>

Hickey, D. T. (2015, Nov 11). *Perspectives: Daniel Hickey*. [Interview] Center for Online Innovation in Learning. Penn State University. <http://coil.psu.edu/blog/coil-perspectives-daniel-hickey/>

Reich, J., Campbell, G, Collier, A., Wagner, E., & Hickey, D. (2015, August, 15). *Why is measuring learning so difficult?* [Webcasted Interview]. EDUCAUSE. [https://www.youtube.com/watch?v=\\_iv8A1pHNYA](https://www.youtube.com/watch?v=_iv8A1pHNYA)

Hickey, D. T. (2015, August 3). *Badging in a learner-centered context*. [Webcasted Interview]. EDUCAUSE. <http://er.educause.edu/multimedia/2015/8/badging-in-a-learner-centered-context>

### Publications

- Hickey, D. T. (2017, April 8). How open e-Credentials will change education like e-commerce changed retailing. *Chronicle of Higher Education*. Invited editorial in special issue on technology
- Hickey, D. T., & Otto, N. (2017, February 13). “Endorsement 2.0” to take Open Badges and e-credentials to the next level. *EDUCAUSE Review*, 1-24.  
<http://er.educause.edu/articles/2017/2/endorsement-2-taking-open-badges-and-ecredentials-to-the-next-level>
- Hickey, D. T. (2016, September 27). Alternative and complimentary postsecondary credentials in 2025: The boom is coming. *The EvoLLLution*. [Online magazine].  
<http://evollution.com/programming/credentials/alternative-and-complementary-postsecondary-credentials-in-2025-the-boom-is-coming/>
- Hickey, D. (2015, August 3). A framework for interactivity in competency-based courses. *EDUCAUSE Review*. <http://er.educause.edu/articles/2015/8/a-framework-for-interactivity-in-competency-based-courses>
- Hickey, D. T., Willis, J. E., & Quick, J. D. (2015). *Where badges work better*. EDUCAUSE Learning Initiative Brief. <http://www.educause.edu/library/resources/where-badges-work-better>
- Hickey, D. T. (2014, January). Open source options are providing alternatives for core services. *The Evollution: Illuminating the lifelong learning movement*. (online)  
<http://bit.ly/1cN2Dry>
- Hickey, D., Itow, R. C., Rehak, A., Schenke, K., Tran, C. (2013). Speaking personally—with Erin Knight. *American Journal of Distance Education*, 27 (2), 134-138.
- Hickey, D. T. (2012, November 20). Recognizing, supporting, and attracting adult learners with digital badges. *Evollution* (online).  
[http://www.evollution.com/program\\_planning/recognizing-supporting-and-attracting-adult-learners-with-digital-badges/](http://www.evollution.com/program_planning/recognizing-supporting-and-attracting-adult-learners-with-digital-badges/)

## Webinars

- Hickey, D. T., & Harris, T. (2020, July 28). *Efficiently online assessment with engagement reflections, formative self-assessments, and proctor-free tests*. Invited webinar presented for the Indian University Office of School Partnerships.
- Hickey, D. T. (2019, February 27). *Competencies in context: New approaches to capturing, recognizing, and endorsing learning*. Invited webinar for open recognition alliance.
- Hickey, D. T. (2018, April 26). *Expansive framing for productive online engagement, generative learning, and enduring achievement*. Invited webinar offered by the Learner Engagement Division of the Association of Educational Research and Technology.
- Skipper, W. & Hickey, D. T. (2017, November 14). *Connecting learners and employers with digital badges*. Webinar sponsored by Portfolium Inc. <https://info.portfolium.com/digital-badges-connecting-learners-and-employers>
- Hickey, D. T. (2017, January 24). *Situated cognition and the recognition of learning*. Invited Webinar for the American Psychological Association Division 15 (Educational Psychology). <https://www.youtube.com/watch?v=gimSV7c-ETI>

- Hickey, D. T. (2016, November 9). *Learning recognition networks: Credentialing 3.0?* Invited presentation at the National Distance Learning Week Featured Webinar, *Alternative stackable, and micro-credentials: Where are we headed?* EDUCAUSE. <https://pe.gatech.edu/national-distance-learning-week-featured-webinar>
- Hickey, D. T. (2016, March 26). *Open badge, ePortfolios, and connected credentials: The emerging landscape of digital evidence.* Invited webinar. The Association for the Advancement of Experiential and Evidence-Based Learning.
- Hickey, D. T. & Willis, J. E (2015, November 2). *Where digital badges work better.* Invited Webinar, EDUCAUSE. <http://www.educause.edu/eli/events/eli-webinar-where-digital-badges-work-better/2015/where-digital-badges-work-better>
- Bennett, R., & Hickey, D. T. (2015, October 20). *What's next in K-12 assessment and testing?* [Invited Webinar]. *Education Week.* <http://www.edweek.org/ew/webinars/assessment-and-testing-webinars.html>
- Hickey, D. T. (2015, January 26). *Participatory learning and assessment in competency-based online learning.* Invited webinar hosted by the EDUCAUSE Learning Initiative. <http://www.educause.edu/events/eli-webinar-participatory-learning-and-assessment-competency-based-online-learning>
- Hickey, D. T., & Willis, J. (2014, November 4). *Open digital badges in Canvas, CourseBuilder, Open edX, Blackboard, and beyond.* Invited webinar for Center for Online Innovation in Learning, Penn State University. (<http://bit.ly/1AcjD6Z> )
- Bennett, R., & Hickey, D. T. (2014, October 20). *What's next in K-12 Assessment?* Virtual webinar sponsored by Education Week. <http://bit.ly/1tMMctJ>
- Hickey, D. T., Radionoff, K. Janzow, P. (2014, February 6). *Designing your open digital badge system.* Invited webinar sponsored by the Chronicle of Higher Education. <http://bit.ly/PmJhoT>.
- Byers, A., Hickey, D. T., Rasmussen, C., Rominger, R., & Sheninger, E. (2012, August 3). *Giving credit where credit is due: Incenting and recognizing teachers for their investments in learning.* Invited Webinar for US DOE Connected Educators Month. <http://connectededucatorsmonth2012.sched.org/event/ec0b45af71198a611c381069d11268c8#.UPYbICernbM>
- Hickey, D. T. (2011, November). *Wikifolios, wikiflections, and exam for online participation, understanding, and achievement.* Invited webinar presented for the national Sakai Teaching and Learning Group. <https://confluence.sakaiproject.org/display/PED/Teaching+with+Sakai+Webinar+Series+-+Session+03>
- Hickey, D. T. (2010, August). Participatory portfolio assessment. Webinar presented as part of a series sponsored by the Monterey Institute. Archived at <http://adco.biz/transfer-mi/nroc/nroc-8-2010v3.html>

## Presentations

- Hickey, D. T., & Quick, J. D. (2020, June). A modest feature for repositioning minoritized online students to support disciplinary engagement and achievement. Presentation at the annual meeting of the International Society of the Learning Sciences, Nashville, TN,

- Hickey, D. T., Harris, T., Duncan, J., & Robinson, J. (2019, December 10). *Collaborative Learning Analytics of Developmental, Supplemental, and Tutorial Services*. Poster presentation at the Learning Analytics Fellows conference, Indiana University.
- Hickey, D. T., (2019, December 4). *Internet-Based Alternatives for Equitable Preparation. Access, and Success in Gateway Courses*. Invited colloquium at the Learning Research and Development Center, University of Pittsburgh, Pittsburgh, PA
- Hickey, D. T., (2019, December 3). *Macro-Impact from Micro-Credentials: Selected Open Badges Research from the IU Center for Research on Learning and Technology*. Invited colloquium at the Informal Education to Higher Education convening, National Science Foundation, Carnegie Mellon University, Pittsburgh PA.
- Hickey, D. T. (2019, October 24). *A Step-by-Step Approach to Online/Hybrid Social Learning and Participatory Assessment*. Invited colloquium by the College of Informatics, University of California Irvine.
- Hickey, D. T., (2019, October 16). *Expansive Framing of Second Language Instruction*. Invited colloquium at the Defense Language Institute, Monterey, CA.
- Hickey, D. T. (2019, August 29). *Macro Impact from Micro-Credentials*. Invited colloquium presented at Digital Promise Inc., San Mateo, CA.
- Hickey, D. T. (2019, April 12). *The development of cybersecurity expertise*. Invited presentation to the Indiana University Center for Applied Cybersecurity Research.
- Hickey, D. T. (2017, January 27), *Understanding ePortfolio Functions with the Lens of Situated Cognition*. Invited presentation at the American Association of Colleges and Universities ePortfolio annual forum. San Francisco, CA.
- Hickey, D. T. (2017, August 17). *Where badges work better*. Invited presentation at the IMS Global Open Badges Conference. Ann Arbor, MI: University of Michigan.
- Hickey, D. T. (2016, November 2). *Supporting disciplinary engagement, understanding, & achievement in fully online secondary school courses*. Invited colloquium. Intermedia Laboratory. University of Oslo, Norway
- Hickey, D. T. (2015, December 9). *The competencies versus credit hours conundrum. New solutions from the field and the learning sciences*. Invited colloquium for the Re-imagining the University Project, Georgetown University, Washington DC.
- Hickey, D. T. (2015, December 8). *Where digital badges work better*. Invited colloquium for the staff and administration of the University of Maryland System. Baltimore MD
- Hickey, D. T. (2015, November 12). *The competencies versus credit hours in digital badges: New solutions from the Learning Sciences. 2015 Waterbury Lecture* [Invited Lecture], School of Education, Penn State University.  
<http://news.psu.edu/story/378548/2015/11/02/academics/daniel-t-hickey-present-waterbury-lecture-badging>
- Hickey, D. T. (2015, Nov 10). *A badging update in higher education: A conversation with Daniel Hickey*. [Invited webinar.] Center for Online Innovation in Learning. Penn State University.  
[https://www.youtube.com/watch?v=RVT2LEr3\\_y8](https://www.youtube.com/watch?v=RVT2LEr3_y8)

- Hickey, D. T. (2015, October 1). *Where digital badges work better*. Invited presentation at the DevLearn conference, Las Vegas, NV. <https://www.youtube.com/watch?v=Vkjuo4LBtI4>
- Hickey, D. T. (2015, June 25). *The best of both worlds: Participatory learning and assessment in competency-based contexts*. Invited presentation at ED-MEDIA World Conference on Educational Media and Technology. <https://www.aace.org/conf/edmedia/speakers/2015/hickey.htm>
- Hickey, D. T. (2015, January 22). *Participatory learning and assessment in competency-based learning contexts*. Invited colloquium for the Indiana University Center for Innovation in Teaching and Learning.
- Palmquist, M., Hickey, D. T., Fish, J. (2015, January 20). *Digital badges as value added for degree attainment: Institutional perspectives*. Invited Panel Presentation at the Summit for Online Leadership and Strategy, University Professional and Continuing Education Association & The American Council on Education, San Antonio, TX.
- Hickey, D. T., Lemoie, K., Ewens, D., & Barba, L., & Amigot, M. (2014, November). *Developing and Innovation: Digital Badges*. Invited presentation at the Open edX Conference, Cambridge, MA.
- Hickey, D. T. (2014, November 14) *Lessons learned from the design principles documentation project*. Invited presentation at *Curate, Credential, and Carry Forward Digital Learning Evidence*, a National Forum for a project commissioned by the Australian Government Office for Learning and Teaching, Deakin University, Melbourne, Victoria. (<http://boliver.ning.com/>).
- Hickey, D. T. (2014, November 7). *Scaling participatory learning and assessment for online engagement, understanding, and achievement*. Invited colloquium presented to the Learning Sciences Program at the University of California Los Angeles.
- Hickey, D. T. (2014, November 17). *Open digital badges: Lessons learned so far and what is next in higher ed?* Invited colloquium at the University of Technology Sydney, Australia.
- Hickey, D. T. (2014, November 15). *Open digital badges: Design Principles for the DPD Project*. Invited colloquium at the University of Sydney, Australia.
- Van Aalst, J., Von Davier, A. Hickey, D. T. (2014, June 25). *Learning and assessment of 21<sup>st</sup> Century skills*. Invited Presidential session at the International Conference of the Learning Sciences, Boulder, CO
- Hickey, D. T. (2014, April 5). *Educational research of, for, and with digital badges*. Invited presentation on an AERA Division C panel on digital innovation at the Annual Meeting of the American Educational Research Association, Philadelphia, PA.
- . Hickey, D. T. (2014, January). *Big Open Online Course: Scaling up participatory learning*. Invited presentation in the Next Generation MOOCs speaker series. University of Pennsylvania Graduate School of Education
- Hickey, D. T. (2013, November). *Digital badges and the analysis of learning & educational activity*. Invited presentation to the Student Learning Analytics at Michigan program. Center for Research on Learning and Teaching, University of Michigan. <http://www.youtube.com/watch?v=ux8TLEd6vwc>

- Hickey, D. T. (2013, September). *Recognizing, assessing, motivating, and studying learning with digital badges*. Invited colloquia, Purdue University.
- Hickey, D. T., Itow, R. C. (April, 2013). *Recognizing, assessing, motivating, and researching learning with digital badges*. Invited presentation at a meeting at the National Science Foundation.
- Hickey, D. T. (2010, October). *Participatory assessment for engagement, understanding, and achievement in e-learning contexts*. Invited presentation for the Indiana University Scholarship of Teaching and Learning Event Series. Bloomington, IN.
- Hickey, D. T. (2010, October). Participatory assessment for service learning 1.0 and civic Engagement 2.0. Invited presentation at the annual meeting of the International Association for Research on Service Learning and Civic Education. Indianapolis, IN.
- Hickey, D. T. (2009). *Assessing, enhancing, and aligning communally-regulated, collaboratively-regulated, and self-regulated learning*. Invited paper presentation at the Motivation Special Interest Group Invited Symposium, Biennial Meeting of the European Association for Research on Learning and Instruction, Amsterdam.
- Dede, C. J., Hickey, D. T., Leu, D. J., Ketelhut, D. J. (2010, May). *Web 2.0: Research Issues, Results, and Future Directions*. Invited panel discussion at the Annual Meeting of the American Educational Research Association, Denver, CO.
- Hickey, D. T., Kwon, E. J., & Filsecker, M. K. (2009). *Ordered, discursive assessment design principles for educational videogames and beyond*. Invited paper presentation in the Assessment Special Interest Group Symposium at the Biennial Meeting of the European Association for Research on Learning and Instruction, July 2009, Amsterdam.
- Hickey, D. T., Kwon, E. J., & Filsecker, M. K. (2009). *Situative considerations of incentive and competition in educational videogames*. Invited paper presentation in the Instructional Technology Special Interest Group Symposium at the Biennial Meeting of the European Association for Research on Learning and Instruction, July 2009, Amsterdam.
- Hickey, D. T. (2004, November). *Levels, representations, and iterations: A design-based framework for enhancing discourse, understanding, and achievement*. Invited symposium presentation to the Cognitive Science program at Georgia Institute of Technology.
- Hickey, D. T. (2004, October). *Levels, representations, and iterations: A design-based framework for enhancing vocational education*. Invited keynote address at the Second European Symposium on Professional and Technical Education. Regensburg, Germany.
- Hickey, D. T. (2003, April). *Design-based research: A new method for invigorating educational technology research?* Invited presentation to the Instructional Technology Special Interest Group's business meeting at that annual Meeting of the American Educational Research Association, Chicago, IL.
- Hickey, D. T. (August, 1999). *Epistemological reconciliation and the future of motivation research*. Invited paper presented at the 8<sup>th</sup> meeting of the European Association for Research on Learning and Instruction, Göteborg, Sweden
- Hickey, D. T. (1999, April). *How can good assessment practices inform our understanding of design learning?* Invited presentation at the Knowing and Learning to Design Conference. Georgia Institute of Technology, Atlanta, GA.



Hickey, D. T. (1999, March). *On-line resources for evaluating educational technology*. Invited presentation to second conference on Funding Sources for Technology in Education, Georgia Tech Research Institute.

Hickey, D. T., Zuiker, S. J., & Anderson, K. (2007, September). *Situative alignment of formative and summative assessment functions to maximize engagement and learning*. Invited presentation at the Biennial meeting of the European Association for Research on Learning and Instruction, Budapest.

### **Workshops**

Hickey, D. T. (2014, November 13). *Participatory learning and assessment*. Invited half-day pre-conference workshop at *Curate, Credential, and Carry Forward Digital Learning Evidence*, a National Forum for a project commissioned by the Australian Government Office for Learning and Teaching, Deakin University, Melbourne, Victoria.

### **Meetings**

Games for Impact Collegiate Consortium (2012, September 10). Strategic planning meeting. Pittsburgh PA. Invited participant.

White House Office of Science and Technology (2012, July, 26). *Inaugural Meeting of the Games for Impact Collegiate Consortium*. Washington DC. Invited participant.

### **Etcetera**

Fanfarelli, J. R., McDaniel, R. (2019). *Designing effective digital badges: Applications for learning*. New York: Routledge. [provided quote for cover]

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## **REFEREED CONFERENCE PAPERS AND PRESENTATIONS**

### **Refereed Presented Papers**

Hickey, D. T., & Quick, J. D. (2020, October 1). *A modest assessment feature for repositioning minoritized students to support disciplinary engagement and achievement*. Paper presented at the Sixth International Conference on Culturally Responsive Evaluation and Assessment. Chicago, IL

Hickey, D. T., & Lam, D. (2020, October 1). *Emerging perspectives on the transfer of learning*. Paper presented at the Sixth International Conference on Culturally Responsive Evaluation and Assessment. Chicago, IL

Chartrand, G. T., Andrews, C. D., & Hickey, D. T. (2019, July 18). *Designing for Generative Online Learning*. Paper presented at the Summer Research Symposium, Association for Educational Communication and Technology, Bloomington IN.

Hickey, D. T., Chartrand, G. T., Andrews, C. D. *Expansive framing for productive disciplinary engagement and generative online learning*. Paper presented at the annual meeting of the American Educational Research Association, Toronto, Ontario.

Hickey, D. T. & Quick, J. D. (2015, August 26). *Fostering online disciplinary, understanding, and achievement with participatory learning and assessment*. Paper presented at the annual conference of the European Association for Research on Learning and Instruction, Limassol, Cyprus.

- Itow, R. C., & Hickey, D. T. (2015, April 20). *Impacting online teacher practice, epistemic frames, and agency with design-based implementation research*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.
- Otto, N., & Hickey, D. (2014, August 14). *Design principles for digital badge systems. Comparative methods for uncovering lessons in ecosystem design*. Paper presented at 1<sup>st</sup> International Workshop on Open Badges in Education. Tallinn, Estonia.
- Rehak, A, Hickey, D. T., & Chow, C (2014, April 6). *Design principles and enacted practices for recognizing learning with digital badges*. Paper presented at the Annual Meeting of the American Educational Research Association, Philadelphia, PA.
- Itow, R. C. & Hickey, D. T. (2014, April 6). *Considering the implications of assessment design for learning in digital badge systems*. Paper presented at the annual meeting of the American Educational Research Association, Philadelphia, PA.
- Hickey, D. T., Rehak, A., & Smith, L. (2014, April 5). *Peer-awarded merit badges for encouraging and recognizing disciplinary engagement in online courses*. Paper presented at the annual meeting of the American Educational Research Association, Philadelphia PA.
- Hickey, D. T. (2013, July). *Participatory assessment: A game design model for impacting engagement, understandings, and (when necessary) achievement*. Paper presented at of the 8<sup>th</sup> meeting of the Games, Learning, + Society conference, Madison, WI.
- Hickey, D. T., & Filsecker, M. K. (2013). *A quasi-experimental study of badges, incentives, and recognition on engagement, understanding, and achievement in Quest Atlantis*. In C. Steinkuehler and C. Williams, Paper presented at the 8<sup>th</sup> meeting of the Games, Learning, + Society conference.
- Filsecker, M. K., & Hickey, D. T. (2013). *Educational games and science education. Effects of incentives on students' engagement and learning*. Paper presented at the biennial meeting of the European Associations for Research on Learning and Instruction, Munich, Germany.
- Hickey, D. T., & Itow, R. C (2012, April). *Designing and sharing new media language arts modules aligned to the common core standards*. Paper presented at the annual meeting of the American Educational Research Association, Vancouver BC.
- Hickey, D. T. (2011, October). *Designing for participation, understanding, and achievement in 21<sup>st</sup> century learning contexts*. Paper presented at the annual meeting of the International Society for the Scholarship of Teaching and Learning, Milwaukee, WI.
- Hickey, D. T., & Robinson, J. M. (2011, October). *Assessing "21<sup>st</sup> Century Skills" in university contexts: Not so fast!* Paper presented at the annual meeting of the International Society for the Scholarship of Teaching and Learning, Milwaukee, WI.
- Robinson, J. M., & Hickey, D. T. (2011, October). *The future of SOTL: The case for spreadability*. Paper presented at the annual meeting of the International Society for the Scholarship of Teaching and Learning, Milwaukee, WI.
- Hickey, D. T., Honeyford, M., & McWilliams, J. (2010, May). *Participatory assessment: Remediating curriculum and testing for the 21<sup>st</sup> Century*. Paper presented at Annual Meeting of the American Educational Research Association, Denver, CO.

- Hickey, D. T., Clinton, K. A., & Honeyford, M. A. (2009). *Measuring New Media Literacy Skills: Not so Fast!* Paper presented at the 2009 meeting of the American Educational Research Association.
- Hickey, D. T., Ingram-Goble, A., Jameson, E., Kwon, E. J. (2008). *New strategies for enhancing engagement and learning in educational videogames.* Paper presented at the annual meeting of the American Educational Research Association, New York City.
- Zuiker, S. J., Barab, S., & Hickey, D. T. (2007, April). Extending situativity: Liminal episodes in embodied experiences. Paper presented at the 2007 annual meeting of American Educational Research Association, Chicago, IL
- Hickey, D. T., & Anderson, K. N. (2007, April). *Situative Approaches to Mathematics Discourse and Formative Assessment: Enhancing Learning and Achievement in Mathematics Instruction.* Paper presented at the 2007 annual meeting of the American Educational Research Association, Chicago, IL.
- Zuiker, S. J., Barab, S., Warren, S., Hickey, D. T., Arici, A., Ingram-Goble, A., Kwon, E. J., Herring, S. & Kouper, I. (2007, September). Developing a theory of formalisms: situating socio-scientific inquiry for schools. Paper presented annual meeting of the American Educational Research Association, Chicago IL.
- Hickey, D. T. (2006, September). *Motivation, engagement, and design-based research.* Paper presented at the 10<sup>th</sup> Biennial Meeting of the International Conference on Motivation, Landau, Germany.
- Hickey, D. T., & Cross, D. I. (2006, April). *Design-based multi-level assessment for enhancing discourse, learning, curriculum, and achievement in elementary mathematics.* Paper presented at the annual meeting of the American Educational Research Association. San Francisco.
- Zuiker, S. J., Hickey, D. T., & Kwon, E. J. (2006, April). *Assessment as formative design—and vice versa.* Paper presented at the annual meeting of the American Educational Research Association. San Francisco.
- Cross, D. I., & Hickey, D. T. (2005, April). *Enhancing the potential of learning environments. Bridging cognitive and sociocultural principles.* Paper presented at the annual meeting of the American Educational Research Association, San Francisco.
- Hickey, D. T., & Cross, D. I. (2005, April). *Technology-supported, multi-level assessment for enhancing discourse, learning, curriculum, and achievement in elementary mathematics.* Paper presented at the annual meeting of the American Educational Research Association. Montreal.
- Anderson, K., Zuiker, S., Taasobshirazi, G., & Hickey, D. T. (2005, April). *Discourse analysis for enhancing the formative value of classroom assessment practices in science.* Paper presented at the annual meeting of the American Educational Research Association. Montreal.
- Anderson, K., Zuiker, S. J., Taasobshirazi, G, Cross, D., Hendricks, S. & Hickey, D. T. (2005, April). *Discourse, understanding, & achievement: Design-research methods for*

- maximizing and documenting learning in a multi-media science environment.* Paper presented at the Computer Assisted Learning conference. Bristol, England.
- Zuiker, S. J., Hickey, D. T., Kwon, E. J., & Barab, S. A. (2005, April). *Framing Quest Atlantis: A multi-level/multi-type assessment framework for learning and accountability.* Paper presented at the Computer Assisted Learning conference. Bristol, England.
- Hickey, D. T., Zuiker, S. J., Michael, M. A., & Schafer, N. J. (2004, June). *Balancing Formative and Summative Assessment to Attain Systemic Validity: Three is the Magic Number.* Paper presented at the EARLI SIG Assessment Symposium, Bergen, Norway.
- Michael, M. A., Hickey, D. T., & Zuiker, S. J. (2004, June). *The role of motivation in systemically valid assessment.* Paper presented at the second EARLI SIG Assessment Symposium, Bergen, Norway.
- Hickey, D. T., Zuiker, S. J., & McGee, S. (2004, April). *Design experimentation with multiple levels of assessment and multiple types of outcomes.* Paper presented at the annual meeting of the American Educational Research Association, San Diego, CA.
- Hickey, D. T. (2003, August). *Engaged participation: A stridently sociocultural alternative to intrinsic motivation, and its implications for research & practice.* Paper presented at the biennial meeting of the European Association for Research on Learning and Instruction, Padova, Italy.
- Hickey, D. T., Kruger, A. C., Fredrick, L. D., Schafer, N. J., & Zuiker, S. (2003, April). *Design experimentation using multiple perspectives: The GenScope Assessment Project.* Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.
- Schafer, N. J., Hickey, D. T., Zuiker, S. (2003, April). *Using video feedback to facilitate classroom assessment conversation.* Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.
- Hickey, D. T., DeCuir, J, Hand, B., Kyser, B. (2002, April). *Technology-supported formative and summative assessment of collaborative scientific inquiry.* Paper presented at the Annual Meeting of the American Educational Research Association, New Orleans.
- Kruger, A. C., Hickey, D. T., Fredrick, L. D., Schafer, N. J. & Kindfield, A. C. H. (2002, April). *Balancing Formative and Summative Science Assessment Practices: Year One of The GenScope Assessment Project.* Paper presented at the Annual Meeting of the American Educational Research Association, New Orleans.
- Michael, M. A., Zuiker, S. J., & Hickey, D. T., (2002, November). *Promoting Learning and Motivation in an Intentional Learning Environment: Effects of Extrinsic Recognition and Formative Assessment Practices.* Presentation at the Annual Meeting of the Georgia Educational Research Association, Savannah, GA.
- Hickey, D. T. (2001, August). *Alternative approaches to broadening achievement motivation: Insights from our own practices.* Paper presented at the 9<sup>th</sup> meeting of the European Association for Research on Learning and Instruction. Fribourg, Switzerland.
- Hickey, D. T., Kruger, A. C., Fredrick, L. D., Schafer, N. J. & Kindfield, A. C. H. (2001, August). *Balancing Formative and Summative Science Assessment Practices: Year One of The*

- GenScope Assessment Project*. Paper presented at the 9<sup>th</sup> meeting of the European Associations for Research on Learning and Instruction. Fribourg, Switzerland.
- Hickey, D. T. (2001, April). *A pragmatic, situative framework for evaluating innovative science learning environments*. Paper presented at the annual meeting of the American Educational Research Association, Seattle, WA.
- Hickey, D. T., & McCaslin, M. (2001, April). *Comparative sociocultural analyses of context and motivation*. Paper presented at the annual meeting of the American Educational Research Association, Seattle, WA.
- Hickey, D. T., Kindfield, A. C. H., Horwitz, P., & Christie (2000, June). *Integrating Instruction, Assessment, & Evaluation in a Technology-Based Genetics Environment: The GenScope Follow-up Study*. Paper presented at the 4<sup>th</sup> International Conference of the Learning Sciences, Ann Arbor, MI.
- Hickey, D. T., & Holbrook, J. (2000, April). *PALS-supported performance assessments for the Learning by Design project*. Paper presented at the annual meeting of the American Educational Research Association. New Orleans, LA.
- Wolfe, E. W., Hickey, D. T., & Kindfield, A. C. H. (2000, April). *An application of the multidimensional random coefficients multinomial logit model to evaluating cognitive models of reasoning in genetics*. Paper presented at the 4<sup>th</sup> Annual International Objective Measurement Workshop. New Orleans, LA.
- Hickey, D. T., Kindfield, A. C. H., Horwitz, P., & Christie, M. A. (1999, August). *Large-scale implementation and assessment of the GenScope learning environment: Issues, solutions, and results*. Paper presented at the Annual Meeting of the European Association for Research on Learning and Instruction, Göteborg, Sweden.
- Hickey, D.T., Wolfe, E, and Kindfield, A.C.H., (1999, April). *Assessment-oriented scaffolding of student and teacher performance in a technology-supported genetics environment*. Paper presented at the Annual Meeting of the American Educational Research Association, Toronto.
- Kindfield, A. C. H., Hickey, D. T., & Wolfe, E. W. (1999, April). *Tools for scaffolding inquiry in the domain of introductory genetics*. Paper presented at the annual meeting of the American Educational Research Association, Toronto.
- Hickey, D. T., Kindfield, A. C. H., Heidenberg, A., & Wolfe, E. W. (1999, March). *GenScope evaluation design and learning outcomes*. Paper presented at the Annual Meeting of the National Association for Research in Science Teaching, Boston, MA.
- Kindfield, A. C. H., Hickey, D. T., & Yessis, L. (1999, March). *Assessing student understanding of genetics: The NewWorm Assessment*. Paper presented at the Annual Meeting of the National Science Teacher's Association, Boston, MA.
- Kindfield, A. C. H., Hickey, D. T., Christie, M. A., Horwitz, P., Schwartz, J. (1999, March) *The Tao of curriculum and assessment: Experiences and outcomes of the GenScope project*. Paper presented at the Annual Meeting of the National Science Teacher's Association, Boston, MA.

- Hickey, D. T., Kindfield, A. C. H., Heidenberg, A., & Wolfe, E. W. (1998, December). *GenScope evaluation design and learning outcomes*. Paper presented at the 3<sup>rd</sup> International Conference of the Learning Sciences, Atlanta, GA.
- Hickey, D. T., Wolfe, E. W., & Kindfield, A. C. H. (1998, April). *Assessing learning in a technology-supported genetics environment: Evidential and consequential validity issues*. Paper presented at the Annual Meeting of the American Educational Research Association, San Diego.
- Czarnik, J. C., & Hickey, D. T. (1997, April). *Problem generation in the mission to Mars Curricula*. Paper presented at the Annual Meeting of the American Educational Research Association, Chicago. (ERIC Document Reproduction Service No. ED408196)
- Hickey, D. T., Pellegrino, J. W., & Moore, A. L. (1996, April). *On-Line assessment of motivation and cognition in two constructivist mathematics learning environments*. Paper presented at the meeting of the American Educational Research Association, New York.
- Hickey, D. T., Petrosino, A. J., Pellegrino, J. W., & The Cognition and Technology Group at Vanderbilt. (1994, April). *Middle-schooler's interest in science and space science: Dimensions of content, context, actualization, and specificity*. Paper presented at the meeting of the American Educational Research Association, New Orleans. (ERIC Document Reproduction Service No. 370 804).
- Hickey, D. T., Petrosino, A. J., Pellegrino, J. W., & CTGV (1994, April). *Using content-specific personal interest to evaluate contemporary science learning environments*. Paper presented at the meeting of the American Educational Research Association, New Orleans. (ERIC Document Reproduction Service No. 370 805).
- Garrison, S. J., Barron, B. J., Hickey, D. T., Morris, J. (1994, April). *Building a learning community for mathematical problem solving: Changes in student attitudes*. Presentation at the meeting of the American Educational Research Association, New Orleans.
- Hickey, D. T., Pellegrino, J. W., Goldman, S. R., Vye, N. J., & Moore, A. L. (1993, April). *Interests, attitudes, & anchored instruction: The impact of one interactive learning environment*. Paper presented at the meeting of the American Educational Research Association, Atlanta.
- Hickey, D. T., & Petrosino, A. (1992, November). *Effects of generative video on student's scientific problem posing*. Paper presented at the meeting of the Mid-South Educational Research Association, Knoxville, TN. (ERIC Document Reproduction Service No. ED 356 764)
- Goldman, S. R., Petrosino, A., Sherwood, R., Garrison, S., Hickey, D. T., Bransford, J. D., & Pellegrino, J. W. (1992, August). *Multimedia environments for enhancing science instruction*. Paper presented at the NATO Advanced Studies Institute Workshop on the Psychological and Educational Foundations of Technology-Based Learning Environments, Kolymbari, Greece.
- Hickey, D. T., Petrosino, A., Pellegrino, J. W., Bransford, J. B., Goldman, S. R., & Sherwood, R. (1992, April). *The Mars mission challenge environment: A generative problem-solving school science environment*. Paper presented at the NATO Advanced Studies Institute Workshop on the Psychological and Educational Foundations of Technology-Based Learning Environment. Kolymbari, Greece.

Cognition and Technology Group at Vanderbilt. (1992, March). *Problem-solving environments that enhance student learning in mathematics and science*. Paper presented at the American Institute of Aeronautics and Astronautics Space Programs and Technologies Conference, Huntsville, AL.

Hickey, D. T., Pellegrino, J. W., Petrosino, A., with The Cognition and Technology Group. (1991, October). *Reconceptualizing space science education: A generative, problem solving approach*. Paper presented at the Florida Space Education Conference, Cocoa Beach, FL.

### Refereed Presentations

Hickey, D. T., Chartrand, G., & Andrews, G. (2019, October 30). *A Step-by-Step Approach to Social Online Learning and Participatory Assessment*. Presentation at the IU Online Conference, Indianapolis, IN.

Hickey, D. T., & Schenke, K. (2019, April). Open digital badges and reward structures. Symposium presentation at the annual meeting of the American Educational Research Association, Toronto, Ontario.

Itow, R. C., & Hickey, D. T. (2018, April 16). *The perception of a problem: Shifting from professional development obstacles to opportunities*. Presentation at the annual meeting of the American Educational Research Association. New York, NY

Hickey, D. T., & Andrews, C. D. (2018, April 15). *Situative theories and design based methods for motivating online engagement and achievement*. In D. M. McInerney & G. A. D. Liem (Chairs) *Recent advances in sociocultural influences on motivation and learning: Big theories revisited*. Symposium at the Annual Meeting of the American Educational Research Association, New York, NY.

Itow, R. C., & Hickey, D. T. (2018, April 14). *An intersectional approach to professional development: Design-based implementation research in practice*. Presentation at the annual meeting of the American Educational Research Association. New York, NY

Hickey, D. T. (2018, April 13). *Open digital badges and reward structures*. In K. A. Renninger and S. E. Hidi (Chairs), *Motivation and Learning: What is Provocative and New?* Presentation at Symposium at the Annual Meeting of the American Educational Research Association, New York, NY.

Hickey, D. T., & Chartrand, G. (2017, Nov 10). Instructor-free formative assessment and proctor-free summative testing. *IU Online Conference*. Indiana University-Purdue University Indianapolis.

Hickey, D. T. (2017, November 8). *Where open badges worked better*. Symposium presentation at the Annual Meeting of the Association for Educational Communication and Technology. Jacksonville, FL

Itow, R.C., & Hickey, D. T. (2010, November 8). *It's not about the badges, its about the ecosystem*. Symposium presentation at the Annual Meeting of the Association for Educational Communication and Technology. Jacksonville, FL

Hickey, D. T. (2017, September 1). *Investigating and designing for situated knowledge in a world of change* (invited discussant). Symposium at the annual meeting of the European Association for Research on Learning and Instruction. Tampere, Finland.

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**PROFESSIONAL SERVICE**
**Service to Journals**

- 2017-present *Educational Research Review* (North American Associate Editor)
- 2014-present *Educational Technology Research and Development* (Consulting Board Member)
- 2010-present *Educational Psychologist* (Editorial Board Member)
- 2006-2017 *Educational Research Review* (Founding Editorial Board Member)
- 2004-present *The Journal of the Learning Sciences* (Editorial Board Member)
- 2002-2006 *Science Education* (Editorial Board Member)
- 2000-present *Assessment in Education, Cognition & Instruction, Educational Researcher, Educational Technology Research & Development, International Journal of Learning and Media, Instructional Science, Journal of Experimental Education, Journal of Engineering Education, and the Journal of the Scholarship of Online Teaching and Learning* (Ad-Hoc Reviewer)

**Service to Associations and Organizations**

- 2019-present Advisory Board Member and Accreditation Representative, Indiana University High School,
- 2012-present Grant proposal reviewer for the National Science Foundation (2013, 2013, 2015)
- 2014-present EDUCAUSE, Badges and Microcredentials Constituent Group (Chair)
- 2014-present Badge Alliance, Higher Education Working Group (Chair)
- 2015-present American Council on Education, *Defining Quality Standards for Stackable Digital Credentials* (Co-Leader)
- 2015 IMS Global Learning Consortium. *Microcredentials Currency Framework Definition Group* (Member)
- 2013-present *International Society for the Learning Sciences, Education Committee* (Member)
- 2010-2012 *American Educational Research Association, Division C, Sylvia Scribner Award Committee* (Co-Chair/Chair).
- 2007-2008 *American Educational Research Association, Division C, Section 6*, (2008 Program Chair)
- 2005-2006 *International Conference for the Learning Sciences* (2006 Conference Co-a with S. Barab and K. Hay).
- 1990-present *American Educational Research Association, Division C* and multiple special interest groups (Conference Proposal Reviewer)
- 2000-present *International Society for the Learning Sciences*. (Bi-annual Conference Proposal Reviewer)

**Service to Academic Publishers**



- 2013 Solution Tree Publishers, Book Proposal Reviewer, *Mastering Media Literacy* by Heidi Hayes Jacobs
- 2012 Pearson Publishers, Anonymous Reviewer of an Educational Psychology Textbook
- 2011 Teachers College Press, Book Proposal Reviewer, *Educational Data Sciences* by Phillip Piety.
1999. Macmillan Publishers. Reviewer for a chapter for *Training and Retraining, A Handbook for Business, Government, and the Military* (Sigmund Tobias & James Fletcher, Editors).

### **Service to the Field**

- 2015-2018 Advisory board to *Digital Nest: Building Pathways to Computing Education and Careers for Latino/a Youth* project by ETR Incorporated, funded by the National Science Foundation (Member)

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## **TEACHING**

### **Courses Taught Since 2005**

- Spring 2015, P-540, Learning and Cognition in Schools, 31 students
- Fall 2014, P-544, Applied Cognition and Learning Strategies, 13 students
- Summer 2014, P-507, Assessment in Schools (Online within BOOC), 9 students
- Spring 2014, P-631, Theorizing Learning in Context: Situativity Theory 5 students
- Spring 2014, P-573, Apprenticeship in the Learning Sciences, 1 student
- Spring 2014, P-571, Proseminar in the Learning Sciences, 1 student
- Fall 2013, P-573, Apprenticeship in the Learning Sciences, 4 students
- Fall 2013, P-507 , Assessment in Schools (Online within BOOC), 8 students
- Summer 2013, P-573, Apprenticeship in the Learning Sciences, 4 students
- Summer 2013, P-507, Assessment in Schools (Online), 15 students
- Spring 2013, P-573, Apprenticeship in the Learning Sciences, 5 students
- Spring 2013, P-572, Intro to Learning Sciences, 7 students
- Fall 2012, P-633, Topical Seminar: Assessment of, as, & for Learning, 11 students
- Spring 2012, P-572, Intro to Learning Sciences, 15 students
- Spring 2012, P-507, Assessment in Schools, 16 students
- Fall 2011, P-540, Learning and Cognition in Education (Online), 19 students
- Summer 2011, P-540, Learning and Cognition in Education (Online), 17 students
- Spring 2011, P-507, Assessment in Schools (Online), 15 students
- Fall 2010, P-540, Learning and Cognition in Education (Online), 17 students
- Fall 2010, P-507, Assessment in Schools (Online), 9 students
- Summer 2010, P-540, Learning and Cognition in Education (Online), 16 students
- Fall 2009, P-571, Proseminar in the Learning Sciences, 16 students

Fall 2009, P-507, Assessment in Schools (IU Online), 18 students  
Fall 2009, P-507, Assessment in Schools IUPUI Hybrid), 12 students  
Summer 2009, P-540, Learning and Cognition in Education (Online), 15 students  
Spring 2009, P-631, Theorizing Learning in Context, 12 students  
Spring 2009, P-571, Proseminar in the Learning Sciences, 13 students  
Fall 2008, P-544, Applied Cognition and Learning Strategies, 14 students  
Spring 2008, P-650, Topical Seminar: Formative Assessment, 11  
Fall 2007, P-312, Learning: Theory into Practice, 26 students  
Fall 2007, P-312, Learning: Theory into Practice, 29 students  
Fall 2006, P-674, Topical Seminar: Learning in Context, 15 students  
Spring 2006, P-544, Applied Cognition and Learning Strategies, 15 students

**Graduate Student Supervision at Indiana University (since 2019)**

Dee Degner, PhD minor committee member, Literacy, Culture, & Language Education, dissertation proposal defended on May 20, 2020.

Tara Kelly, PhD minor committee member, Literacy, Culture, & Language Education, dissertation proposal defended May 7, 2020.

Darcy Janzen, EdD minor committee member, Instructional Systems Technology, successfully defended dissertation, August 16, 2019

Gayle Teo, PhD minor committee member, Music Education, successfully defended dissertation proposal, April 30, 2019

Yuxin Chen, PhD committee member, Learning Sciences, successfully passed qualifying exam, April 22, 2019

Christopher Andrews, PhD advisee, Learning Sciences successfully passed qualifying exams, April 19, 2019

Lindsay Nelson, PhD minor advisee, Psychological and Brain Sciences, successfully passed qualifying exams, April 16, 2019

Erin Crisp, EdD Minor Advisee, Instructional Systems Technology, successfully defended April 18, 2019