Michael B. Beam
6400 E Collins Lane
Bloomington, In 47408
(812) 360-0959 cell
Email: mibeam@indiana.edu

EDUCATION

Ed. D Educational Leadership, December 2021 - Indiana University - Bloomington
M.S. Educational Leadership, May 2002 - Indiana State University
B.S. Visual Art Education, December 1993 - Indiana University - Bloomington

PROFESSIONAL EXPERIENCE

Assistant Vice President, School Partnerships – Indiana University, 2019 – Present
Sr. Assistant Vice Provost, Director Pre-College Programs – Indiana University, 2007 – 2019
Director, Intensive Freshman Seminars – Indiana University, 2002 - Present
Assistant Principal - Brown County High School, 2000 - 2002
Visual Arts Teacher - Brown County High School, 1994 - 2000

WORK AND RESEARCH FOCUS

- Campus and system-wide leadership within University Academic Affairs, Undergraduate Education, University Schools of Education, and University Government Relations. Emphasis on state and university objectives around P-16, dual credit, teacher preparation, and student success.
- Research seeks to understand the impact and effect of dual credit programs on teachers and school administrators, with an emphasis on how leadership actions, distributed across multiple actors, are associated with effective dual credit course implementation. Dissertation title: School Leaders and Instructional Leadership in the Context of Quality Dual Credit Programs.

GRANTS AND CONTRACTS
STEM Teach 2017, Indiana Commission for Higher Education: $850,000
STEM Teach 2019, Indiana Commission for Higher Education: $600,000
G.E.E.R 2020, Office of the Governor, and Indiana Department of Education: $1,250,000
Indiana Department of Education Virtual Course Development Contract 2020: $750,000
Indiana Department of Education Civics Education Course Development Contract 2020: $35,000

MEMBERSHIPS AND AFFILIATIONS

Chair of Accreditation Commission – National Alliance of Concurrent Enrollment Partnerships (NACEP)
Board Member – National Alliance of Concurrent Enrollment Partnerships (NACEP)
Dual Credit Advisory Council - State of Indiana
Policy Council for Student Affairs – Indiana University, Bloomington
Early College High School Steering Committee - Monroe County Community School Corporation

SELECTED PRESENTATIONS

The State of High Quality Dual Credit, 2018 Indiana Alliance of Concurrent Enrollment Partnerships Statewide Conference.

Concurrent Enrollment Programs: A Quantitative and Qualitative Discussion on Concurrent Enrollment Partnerships, 2017 National Association for College Admission counseling National Conference

Intensive Freshman Seminars: Academic Immersion in a Summer Intensive
18th International Conference on the First Year Experience, Southampton England, 2005

Navigating the Transition to College: Linking Research on the First Year of College to School Counseling, Indiana Association of School Counselors. Indianapolis, 2002

REFERENCES

Don Hossler
Professor of Educational Leadership and Policy Studies
Indiana University Bloomington
Executive Director, Research Center National Student Clearinghouse
hossler@indiana.edu
ph: 812.856.8391

Kurt Zorn
Associate Vice Provost for Undergraduate Education
Professor, School of Public and Environmental Affairs
Maxwell Hall 100A
855-8783
zorn@indiana.edu

Bruce Jacobs
Executive Officer Auxiliary Services and Programs
Executive Director Indiana Memorial Union
Indiana University – Bloomington
Indiana Memorial Union Director's Office
Bloomington, Indiana 47405
jacobsb@indiana.edu

Gary Crow
Professor
Educational Leadership and policy Studies
W.W. Wright Education Building, Room 4224
Indiana University - Bloomington
Bloomington, Indiana 47405
gcrow@indiana.edu

Rebecca C. Itow, PhD

9457 S. Pointe Lasalles Drive, Bloomington, IN 47401 | 310.980.9283
rcitow@gmail.com | http://rebeccaitow.com

EDUCATION

Institution and Location	Degree	Year	Field (major)
Indiana University	Ph.D.	2018	Learning Sciences
Pepperdine University	M.A. Ed *with honors*	2006	Education
Pepperdine University	Secondary Teaching credential	2006	ELA, Dance
Pepperdine University	B.A.	2004	Theatre Directing
Moorpark College	A.A. *with honors*	2002	Dance
Moorpark College	A.A. *with honors*	2002	Liberal Arts

PROFESSIONAL APPOINTMENTS

Institution	Title	Year	Field
Principal	Indiana University High School	2018-present	Virtual High School
Santa Monica High School	English Teacher	2017-2018	9th, 11th, 12th grade
Pallas Advanced Learning Systems Pty Ltd	Senior Learning Consultant	2016-2017	Science
UCLA	Research Associate	2016	Improvement by Design
Simi Valley USD	Substitute Teacher	2015	All Subjects, Grade 7-12
310 Tutors, Santa Monica	Tutor, Curriculum Consultant	2014-2015	All Subjects, Grades
Indiana University	Ph.D. Candidate	2014-2018	Learning Sciences
Indiana University Office of the Vice Provost for Undergraduate Education	Research Assistant for Pedagogy and Assessment	2013-2015	All Subjects, Grades
Indiana University	Graduate Research Assistant	2011-2013	Learning Sciences
Indiana University	Assessment Lead: Design Principles Documentation project	2012-2016	Digital Badges
Simi Valley High School	AP Department Chair	2010-2011	All Subjects
Simi Valley High School	Forensic Team Coach	2010-2011	All Grades
Simi Valley High School	Mock Trial Coach	2007-2011	All Grades
Simi Valley High School	English Teacher (College Prep, Honors, AP)	2007-2011	9th, 11th Grade
Pepperdine University	Guest Speaker, Tourette's Syndrome in the Classroom	2001-2010	Ed Psych, Neuroscience
City of Hope, Medical Genetics Lab	Clinical and Laboratory Intern	2000-2002	Tourette's Syndrome

DISSERTATION

Itow, R. C. (2018). Professional development is not a summer job: Designing for teacher learning that is valuable and valued. (Doctoral dissertation). Indiana University, Bloomington, Indiana.

ARTICLES

Quick, J.D., & Itow, R.C., (In Press). Situating learning analytics: Developing learning analytics for online secondary educational contexts. In P. Prinsloo, S. Slade, M. Khalil (Eds.) *Learning analytics for open and distance education: Potential, practices, and challenges*. Springer Briefs in Open and Distance Education. Springer.

Itow, R.C. (August 2020). "Reconceptualizing Learning and Our Roles within It: Why Online Education Looks and Feels so Different." *Indianagram* 22, no. 7.

Itow, R. C. (2020). Fostering valuable learning experiences by transforming current teaching practices: practical pedagogical approaches from online practitioners. *Information and Learning Sciences*.

Hickey, D., Duncan, J., Gaylord, C., Hitchcock, C., Itow, R. C., & Stephens, S. E. (2020). gPortfolios: a pragmatic approach to online asynchronous assignments. *Information and Learning Sciences*.

Voogt, J., Lafarriere, T., Breuleux, A., Itow, R. C., Hickey, D. T., & McKenney, S. (2015). Teacher learning by collaborative design as professional development. Special issue. *Instructional Science.*

Hickey, D., Itow, R. C., Rehak, A., Schenke, K., & Tran, C. (2013). Speaking personally—with Erin Knight. *American Journal of Distance Education, 27* (2).

BOOK CHAPTERS
Itow, R. C., Hickey, D. T. (2016). When digital badges work: It's not about the badges, it's about learning ecosystems. In Ifenthaler, D., Bellin-Mularski, N., & Mah, D-K. (Eds.) *Foundation of Digital Badges and Micro-Credentials: Demonstrating and recognizing knowledge and competencies.* Springer: New York.

REPORTS
Hickey, D. T., Otto, N., Itow, R. C., Tran, C., Schenke, K., Chow, C. (2014). Badges Design Principles Documentation Project Interim Report. MacArthur Foundation and the Center for Research on Learning and Technology. Bloomington, Indiana.

Hickey, D. T., & Itow, R., C. (2012) Participatory assessment for participatory teaching & learning in school contexts. *Designing with teachers: Participatory approaches to professional development.* (pp. 78-88). MacArthur-UCHRI Digital Media and Learning Research Hub and University of California, Irvine.

Literat, I. & Itow, R. C. (2012). Professional development in a culture of participatory learning. *Designing with teachers: Participatory approaches to professional development.* (pp. 6-8). MacArthur-UCHRI Digital Media and Learning Research Hub and University of California, Irvine.

CONFERENCE PROCEEDINGS

Itow, R. C., & Hickey, D. T., (2013). Bridging networked learning across multiple levels: Participatory approaches to competency-based learning. *In M. Kapur, M. Nathan., S. Puntambekar,* & *N. Rummel, Proceedings of the 10th International Conference on Computer Supported Collaborative Learning.*

Itow, R.C., Hickey, D. T., (2012). Design-based implementation research of spreadable educational practices within the Participatory Learning and Assessment Network (PLAnet). *In J. van Aalst, K. Thompson, and M. J. Jacobson, and P. Reimann, Proceedings of the 10th International Conference of the Learning Sciences: The future of learning.*

Hickey, D. T., Strackeljahn, A. M., Itow, R. C. (2012) Participatory learning and assessment in e-learning Contexts. *In J. van Aalst, K. Thompson, and M. J. Jacobson, and P. Reimann, Proceedings of the 10th International Conference of the Learning Sciences: The future of learning.*

CONFERENCE PAPERS

Itow, R. C. & Hickey, D. T. (2015) Using Participatory Professional Development to impact TPCK. Paper presented at the 26th annual meeting of the Society for Informational Technology and Teacher Education (SITE). Las Vegas, NV.

Itow, R. C. (2014) *Developing design principles for online Participatory Professional Development: Fostering teacher agency through Design-Based Implementation Research*. Paper presented at workshop at annual meeting of the International Society of the Learning Sciences. Boulder, Colorado.

Itow, R. C. & Hickey, D. T. (2014). 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., Itow, R.C. (2012). *Designing and sharing new media language arts modules aligned to Common Core standards.* Paper presented at round table presentation at annual meeting of the American Educational Research Association, Vancouver, British Columbia, Canada.

CONFERENCE, WORKSHOP, AND SYMPOSIA PRESENTATIONS AND PARTICIPATION

Itow, R. C. & Gomez, L. M. (2017) Learning from teachers: Understanding spatial reasoning and learning in science classrooms. Poster presented at the annual meeting of the American Education Research Association. San Antonio, Texas.

Voogt, J., McKenney, S., Kali, Y., Breuleux, A., Cober, R., Slotta, J., Eylon, B., Itow, R.C., … Tan, E. (2014) *Teachers as Designers*. Invited poster session presented at the annual meeting of the International Society of the Learning Sciences. Boulder, Colorado.

Hickey, D. T., Itow, R. C., Schenke, K., Tran, C., Otto, N., & Chow, C. (2014). It's not (just about the badges: Creating pathways for learning ecosystems using digital badges. Workshop presented at the annual Digital Media and Learning conference. Boston, MA.

Itow, R. C. (2013). Professional development for personalized participatory learning. Presented for the Women in Science and Technology at Indiana University.

Itow, R. C., Hickey, D. T., Rehak, A. M., (2013). Assessing learning with digital badges: Principles and practices from the Design Principles Documentation Project. Workshop presentation at the Assessment Institute. Indianapolis, IN.

Itow, R. C. (2013). Participatory assessment: Evaluate reflections rather than artifacts. Ignite talk at the annual Digital Media and Learning Conference. Chicago, IL.

Itow, R. C. (2013). Exploring Participatory Professional Development for Curricular Design. Presentation at the Indiana University Instructional Systems Technology Conference. Bloomington, IN.

Hickey, D. T., Itow, R. C., Rehak, A. M., Schenke, K. & Tran, C. (2013, August). *Recognizing, assessing, motivating, and evaluating learning with digital badges*. Presentation at the biennial meeting of the European Association for Research on Learning and Instruction, Munich, Germany.

Hickey, D. T., Itow, R. C., Rehak, A. M., Schenke, K. & Tran, C. (2013, June). *Digital badges for recognizing, assessing, motivating, and evaluating learning in games and beyond*. Presentation at the Games Learning + Society conference, Madison, WI.

BLOG POSTS

Itow, R.C. (2013, July). *Purdue Veterinary Medicine Digital Badges Aim to Excite Youth and Expand their Knowledge*. Blogpost. Published at http://remediatingassessment.blogspot.com/2013/07/purdue-veterinary-medicine-digital.html.

Itow, R.C., Hickey, D.T. (2013, May). *Design Principles for Assessing Learning with Digital Badges*. Blogpost. Published at http://remediatingassessment.blogspot.com/2013/05/design-principles-for-assessing_30.html and http://hastac.org/blogs/rcitow/2013/05/30/design-principles-assessing-learning-digital-badges.

Itow, R. C., Hickey, D. T. (2012, July). *The role of artifact reflections in participatory assessment.* Blogpost. Published at *Re-Mediating Assessment* .blogspot.com/2012/07/the-role-of-artifact-reflections-in_18.html.

Itow, R. C., Hickey, D. T. (2012, June). *Summer 2012 hackjam: The wiki.* Blogpost. Published at *Re-Mediating Assessment* http://remediatingassessment.blogspot.com/2012/06/summer-2012-hackjam-wiki.html.

Hickey, D. T., Itow, R. C. (2012, June). *Three firsts: Bloomington's first hackjam, ForAllBadges app, and participatory assessment + Hackasaurus*. Blogpost. Published at *Re-Mediating Assessment* http://remediatingassessment.blogspot.com/2012/06/three-firsts-bloomingtons-first-hackjam.html.

Itow, R. C. (2012, March). *Encouraging reflection on practice while grading an artifact: A thought on badges.* Blogpost. Published at *Re- Mediating Assessment* http://remediatingassessment.blogspot.com/2012/03/encouraging-reflection-on-practice.html

Itow, R.C., Hickey, D. T. (2012, February). *Finnish lessons: Start a conversation.* Blogpost. Published at *Re-Mediating Assessment* http://remediatingassessment.blogspot.com/2012/02/finnish-lessons-start-conversation.html

Itow, R.C. (2011, December). *Another misuse of standardized tests: Color coded ID cards?* Blogpost. Published at *Re-Mediating Assessment* http://remediatingassessment.blogspot.com/2011/12/another-misuse-of-standardized-tests.html

SELECTED INSTRUCTIONAL PRODUCTS AND ASSESSMENT INSTRUMENTS
Cannon, A., Itow, R. C., Hickey, D.T. (2012). *Learning the art of persuasion: From YouTube to formal debate.* Twelve hour secondary language arts curricular module. Digital Is network : The National Writing Project. http://digitalis.nwp.org/resource/3503.

Hickey, D. T., Itow, R. C. (2011). *Participatory assessment network.* Explanatory resource. Digital Is Network. The National Writing Project. http://digitalis.nwp.org/resource/3263.

Itow, R. C. & Hickey, D. T. (2011). *The consequences of ignorance: Analyzing character action and motivation in contexts.* Ten hour secondary language arts curricular module. Digital Is network: The National Writing Project. http://digitalis.nwp.org/resource/2980.

ADVISORY AND CONSULTING SERVICES
Consultant for working with digital badges and assessment.
Curricula consultant and contributor on the Participatory Learning and Assessment Network. http://iu.edu/~planet.

INVITED PRESENTATIONS

Hickey, D. T., Itow, R. C. (April, 2013). Recognizing, assessing, motivating, and researching learning with digital badges. Presented at the NYSci meeting at the NSF.

Itow, R. C. (April, 2012). Common core ELA PLAnet. Presented at the Armstrong Teachers conference at Indiana University.

ADVISORY BOARD

Wellness for Educators

PROFESSIONAL ORGANIZATIONS AND ASSOCIATIONS

American Educational Research Association (Division C, Learning and Instruction)
International Society of Learning Sciences
California Association for the Gifted
Indiana Association for the Gifted
National Council of Teachers of English
National Association for Gifted Children
Phi Delta Kappan

Department of Urban Teacher Education,
IU School of Education-Indianapolis at IUPUI,
902 West New York Street,
Indianapolis, IN 46026

1.317.274.6808 ☎
jfprice@iupui.edu ✉
jeremyfprice.github.io 🌐
@dr_jfprice 🐦

JEREMY F PRICE

education

Graduate

Ph.D, Curriculum & Instruction-STEM Education, Lynch School of Education at Boston College, 2013

EdM, Technology in Education, Harvard Graduate School of Education, 2002

Postbaccalaureate, Premedicine, Brandeis University, 1996

Undergraduate

BA, Cultural Anthropology, Brandeis University, 1995

appointments

Academic

Assistant Professor of Technology, Innovation, and Pedagogy in Urban Education, Indiana University School of Education-Indianapolis at IUPUI, 2016–Present

Assistant Professor of Teacher Education, Fairmont State University, 2013–2016

Postdoctoral Scholar, Lawrence Hall of Science/University of California-Berkeley, 2012-2013

Non-Academic

Digital Media Specialist, CAST (Center for Applied Special Technologies), 2003-2007

Education Technology Coordinator, Natural History Museum of Los Angeles County, 2000-2002

honors and awards

Faculty Research Fellow, The Center for the Study of Religion & American Culture at IUPUI, 2019-Present

Grant Improvement through Faculty Training Fellow, Office of the Vice Chancellor of Research at IUPUI, 2019-Present

Open Education Resources Award, IUPUI University Library, 2019

Intercultural Engagement Teaching Fellow, IUPUI Gateway Community of Practice on Intercultural Learning, 2019

Mosaic Teaching Fellow, IU Mosaic Active Teaching Program, 2017-2018

Division K (Teacher Education) New Faculty Fellow, American Education Research Association, 2014

CADRE Fellow, Community for Advancing Discovery Research in Education of the National Science Foundation, 2011-2012

grants   Indiana Department of Education, "Indiana Governor's Emergency Education Relief Grant," PI, $1,179,000, 2020-21

IUPUI Institute for Integrative AI, "Collaborative Research Grant," PI, $17,000, 2020-21

IUPUI School of Education, "Block Grant for Doctoral Student Graduate Assistantship Funding," PI, 2020-2021

IUPUI Office of the Vice Chancellor for Research, "Developing Community Types Based on School-Centered Antisemitic Incidents," PI, $35,000, 2019-2021

IU Consortium for the Study of Religion, Ethics, and Society, "Effects and Echoes: The Impacts of White Nationalism on Religious Communities," PI, $6000, 2019-20

IUPUI Office of International Affairs, "A Comparative Analysis between the US and Hungary (Understanding the Indiana Community)," PI, $2000, 2019

IUPUI Office of the Vice Chancellor for Research, "Facing Ourselves, Facing Our Students: Contemplative Pedagogies and Approaches for Exploring the Thorny Issues of Race and Religion with Teachers in Predominantly White Christian Suburban Schools," PI, $35,000, 2018-2019

IUPUI Program Review and Assessment Committee, "Evaluating the Cross-Curricular Integration of Technology in IUPUI's Urban-Focused Teacher Education Program," PI, $5000, 2018-2019

IUPUI 50th Anniversary Fund, "Reclaiming the New Colossus: From the MS Saint Louis to Contemporary Times," PI, $2500, 2018-2019

IUPUI Office of International Affairs, "Partnership Building with Western Galilee College and Northern Israel," PI, $2300, 2018

Leonard and Marion Freeman Charitable Fund, "Strengthening IUPUI's Jewish Community Through New Traditions," PI, $800, 2017-2018

IU School of Education, "Building Peace and Justice through Critical Inquiries of Place with Technology," PI, $18,000, 2017-2018

IUPUI Curriculum Enhancement Grant, "Upgrading the Online and Hybrid Learning to Teach with Technology Course to Support Justice-, Equity- and Inclusion-Oriented Teacher Preparation," PI, $5000, 2017-2018

IUPUI School of Education, "Block Grant for Doctoral Student Graduate Assistantship Funding," PI, 2017-2018

Claude Worthington Benedum Foundation, "Fostering a Network of Science Inquiry-Focused Schools with the EnergyMakers Curriculum," PI, $107,000, 2015-2016

Fairmont State University Foundation, "Foundation Grant," PI, $2500, 2013-2014

Lynch School of Education at Boston College, "Summer Dissertation Grant," $1500, 2011

publications

Book Chapters

Price, J. F. (In Press). Stumbling to Reclaim Humanity in the Face of Anti-semitism in the Classroom. In V. Stead (Ed.), *Confronting Campus Anti-semitism*. New York: Peter Lang.

Magee, P., Willey, C., Ceran, E., Price, J. F., & Cervantes Barrera, J. (2020). The Affordances and Challenges of Enacting Culturally Relevant STEM Pedagogy. In Johnson, C., Mohr-Schroeder, M., Moore, T., & English, L. *Handbook of STEM Research* (pp. 300-311). New York: Routledge.

Félix, A., Khaja, K., Price, J. F. (2020). White Nationalism. *Social Workers' Desk Reference*, 4th Ed.

Price, J. F. (2017). Understandings the Meanings Secondary Biology Students Construct Around Science Through Drawings. In P. Katz (Ed.), *Drawing Conclusions: Drawings as Data in Science Education*. Rotterdam, The Netherlands: Sense.

Price, J. F. (2017). Using Contemplative Pedagogies to Explore Diversity Within and Beyond One's Experience in Pre-Service Teacher Education. In K. Byrnes, J. Dalton, & E. H. Dorman (Eds.), *Cultivating a Culture of Learning: Contemplative Practices, Pedagogy, and Research in Education*. Rowman & Littlefield: Lanham, MD.

Price, J. F., Johnson, M., & Barnett, M. (2012). Universal Design for Learning (UDL) in the Science Classroom. In T.E. Hall, D.H. Rose, & A. Meyer (Eds.), *Universal design for learning*. New York: Guilford.

Journal Articles

Lindstrom, D., Jones, G., *Price, J. F. (accepted with minor revisions). Can you picture this? Preservice teachers' drawings and pedagogical beliefs about teaching with technology. *Contemporary Issues of Technology in Teacher Education*.

Price, J. F. (in process). Orienting Technology in Education for Social Justice.

Price, J. F., Silverman, E. H. (in process). Addressing School-based Anti-semitism.

Price, J. F., Nguyen, H. K., Whitehead, A. (in process). Revisiting Christian Privilege and Normativity in Public School in the Age of Nationalism and Dominionism.

Price, J. F. (in process). Teacher Identities Entangling the Act of Confronting Race and Religion in the Classroom.

Price, J. F. & McNeill, K. L. (2013). Searching for a lived science curriculum in intersecting figured worlds: An exploration of meaning in science education. *Journal of Research in Science Teaching*, 50(5), 501-529.

Price, J. F., Pimentel, D.S., McNeill, K. L., Strauss, E. G., & Barnett, M. (2011). Ways of knowing science in the 21st century: More than just the facts. *The Science Teacher*, 78(7), 36-41.

Laing, F., Brown, D., Price, J., Teeger, S., & Wong, M. (1997). Intradecidual Sign: Is It Effective in Diagnosis of an Early Intrauterine Pregnancy? *Radiology*, 204, 655-660.

White Papers and Policy Documents

Price, J. F. (2017). Report on Community Focus Group around Draft 2 of the ISTE Standards for Teachers. Report for the International Society for Technology in Education (ISTE). Eugene, OR.

Reich, C., Price, J. F., Rubin, E., & Steiner, M. A. (2010). Inclusion and Informal Science Education. Report for the Center for Advancement of Informal Science Education (CAISE). Washington, D.C.

Op-Eds

Price, J. F., & Silverman, E. H. (2019). Combatting Anti-Semitism In The Classroom Should Not Fall To Jews. *Jewish Forward*.

Digital Media

Price, J. F. (2020). 4chan and #OperationPridefall. https://twitter.com/dr_jfprice/status/1265658344133591041 (568,105 impressions, 3,600 likes, 2,900 retweets)

Price, J. F. (2020). Recognizing Fake Jewish Social Media Accounts Designed to Sow Discord. https://twitter.com/dr_jfprice/status/1213914984549437440 (1,034,415 impressions, 2,933 likes, 1,711 retweets)

Price, J. F. (2019). Rabbi's Watch Cat Bot for Responding to Antisemitic Twitter Posts. https://cheapbotsdonequick.com/source/RabbisWatchCat

Price, J. F. (2018). Using Students' Illustrations to Understand Classroom Dynamics in Mosaic Classrooms – Mosaic Initiative. https://blogs.iu.edu/mosaiciu/2018/03/05/price_student-illustrations/

refered presentations

Price, J. F. (2020, November 3-5). A Spiral Approach to Partner-Based Online Discussions Over Time in Online Courses. Innovative Learning Summit. Online.

Nguyen, D. H. K., Price, J. F., & Silverman, E. H. (2020, October 28-November 1). Legality of granting academic credit for religious instruction: Implications of Christian normative practices in public schools. American Educational Studies Association Annual Conference, San Antonio, TX (Conference Cancelled).

Price, J. F., Magee, P., Santamaría Graff, C., Hall, T., Cervantes Barrera, J., Foote, R., & Snorten, C. (2020, October 26-28). A Framework for Sustainable Culturally Relevant and Inclusive Teaching During Remote and Hybrid Learning. Society for Information Technology in Teacher Education Interactive Conference, Online.

Price, J. F., Santamaría Graff, C., Hall, T., Cervantes Barrera, J., Foote, R., & Snorten, C. (2020, October 26-28). Technology as a Bridge to Co-Create Environments for Equity and Inclusion in Education. Society for Information Technology in Teacher Education Interactive Conference, Online.

Price, J. F., & Silverman, E. H. (2020, April 17-21). Understanding Reactions and Responses by Community Stakeholders to Public Incidences of Antisemitism in Schools. Annual meeting of the American Educational Research Association, San Francisco, CA (Conference Cancelled).

Price, J. F., Manlove, J., Siddeeq, K., & Carr, K. (2019). Asking the Right Questions: Stumbling Through Contemplative Pedagogies in Research. Paper presented at the annual meeting of the Association of Contemplative Mind in Higher Education, Amherst, MA.

Nguyen, H.K., & Price, J. F. (2019). Reviving the Debate: The Constitutionality of Granting Academic Credit for Religious Instruction in Public Schools. Paper presented at the annual meeting of the Education Law Association, Norfolk, VA.

Price, J. F. (2019). Contemplative Reading: Community-Engagement & Social Justice. Paper presented at the annual meeting of the Association of Contemplative Mind in Higher Education, Amherst, MA.

Evans, R., & Price, J. F. (2019). Retooling Our Approach Online for Students with Disabilities with Universal Design for Learning. Paper presented at the annual conference of Indiana University Online, Indianapolis, IN.

Price, J. F. (2019). Engaging in Mindful and Culturally Relevant Teacher Preparation with Technology. Paper presented at the annual meeting of the

Society for Information Technology and Teacher Education, Las Vegas, NV.

Price, J. F. (2019). Checking for Understanding and Building a Culture of Reflection with Digital Technologies. Paper presented at Plater Institute on the Future of Learning: Indiana Digital Learning Summit. Indianapolis, IN.

Price, J. F., Manlove, J., & Morgan, Z. (2018). Mapping the Field of Research on Learning to Teach with Technology: A Review of the Literature. Paper presented at the annual meeting of the American Educational Research Association, New York, NY.

Price, J. F. (2018). Ritual as Pedagogical Practice in Online Teaching and Learning. Paper presented at the annual conference of Indiana University Online, Indianapolis, IN.

Price, J. F., & Keller, D. (2018). Contemplative Reading. Paper presented at the annual meeting of the Association of Contemplative Mind in Higher Education, Amherst, MA.

Price, J. F. (2017). Engaging with Open Educational Resources Inside and Outside of Canvas. Paper Presented at CanvasCon IUPUI, Indianapolis, IN.

Price, J. F. (2017). You Found the Resources, Now What? Tools for Supporting Students' Critical Engagement with OERs. Invited Presentation at #GoOpen Regional Conference (US Department of Education), Warren Township Public School District, Indianapolis, IN.

Price, J. F., Lindstrom, D. L., Kent, M., Hayhurst, A., Snell, J., Aggarwal, A., Aggarwal, N., & Fieldson, S. (2016, February). It Takes a Village to Support STEM Teaching Practices: Building an Online STEM-Focused Teacher Community of Practice. Presentation at the West Virginia Professional Development Schools Conference, Flatwoods, WV.

Price, J. F., Hewitt, A. M. (2015). What Teaching with Technology Looks Like for Undergraduate Teacher Candidates: Understanding Imagined Practices of Teaching. Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.

Price, J. F. (2015). Contemplative Practices for Exploring Diversity Within and Beyond One's Experience. Paper presented at the annual meeting of the Association of Contemplative Mind in Higher Education, Washington, DC.

Lindstrom, D. L., Price, J. F. (2015). Using VoiceThread to Facilitate Dialogue and Teacher Development. Paper presented at the West Virginia Professional Development Schools Conference, Flatwoods, WV.

Loper, S., McNeill, K. L., Peck, P., Price, J. F., & Barber, J. (2014). Multimedia educative curriculum materials: Designing digital supports for learning to teach scientific argumentation. Paper presented at the International Conference of the Learning Sciences, Boulder, CO.

Price, J. F., & Barber, J. (2014). What Students See: Understanding The Impact Of One-To-One Tablets Through Student Drawings. Paper presented at the annual meeting of the American Educational Research Association, Philadelphia, PA.

Price, J. F. (2014). Understandings the Meanings Secondary Biology Students Construct Around Science From Drawings. Paper presented at the annual meeting of the National Association for Research in Science Teaching, Pittsburgh, PA.

Price, J.F., Loper, S., Barber, J., & McNeill, K.L. (2013). Negotiating Tensions in Designing Multimedia Educative Curriculum Materials. Paper presented at the annual meeting of the American Educational Research Association, San Francisco, CA.

McNeill, K. L., Katsh-Singer, R., Gonzalez-Howard, M., Price, J. F., & Loper, S. (2013). Factors that Impact Teachers' Argumentation Instruction in their Classroom. Paper presented at the annual meeting of the American Educational Research Association, San Francisco, CA.

Price, J. F., Barber, J., Corrigan, S., Tilson, J., Billman, A., & Loper, S. (2013). Engagement and the Middle School Science Curriculum. Paper presented at the annual meeting of the National Association for Research in Science Teaching, Rio Grande, Puerto Rico.

McNeill, K. L., Gonzalez-Howard, M. Katsh-Singer, R., Price, J. F. & Loper, S. (2013). Teachers' beliefs and practices around argumentation during a curriculum enactment. Paper presented at the annual meeting of the National Association for Research in Science Teaching, Rio Grande, Puerto Rico.

Price, J. F. & McNeill, K. L. (2009). Reflecting on the urban ecology curriculum: Engaging students and teachers in dialogue and hermeneutics with technology. Paper presented at annual meeting of the New England Educational Research Organization, Portsmouth, NH.

Price, J. F. (2009). Education In Encounter: In Dialogue With Martin Buber On Education. Paper presented at the Boston College Department of Philosophy Conference On Education, Chestnut Hill, MA.

Price, J. F. (2008). Claims and Warrants in the Research on Teaching with Technology. Presentation at the New England Educational Research Organization. Hyannis, MA.

Instructional Design and the Digital Education Hub, Digital Education Hub
Teacher Network Series, Online, 16 March 2021

A Discussion About Being Jewish, International School of Indianapolis Diversity Talk, Online, 2 March 2021

A Conversation on the Black and Jewish Communities and a Quest for Wholeness, Student-Organized Panel Discussion, Online, 24 September 2020

HIPs to What Ends? Integrating Civic Learning into Online and Hybrid Courses, IEL Series at IUPUI, Online, 30 July 2020

Meeting the Needs of All Students During COVID-19, Midwest and Plains Equity Center Virtual World Café Series, 22 June 2020

Roots and Resistance: Uneasy Relationships between White Nationalism and Christianity, Indiana University Consortium for the Study of Religion, Ethics, and Society, Indianapolis, IN, 17 February 2020

Organizing for Equity through Religious Communities, Hamilton Southeastern School Corporation Equity Panel, Fishers, IN, 14 November 2019

Jewish Podcast Talks on Jewish Identity and American Culture, Jewish Federation of Greater Indianapolis, Indianapolis, IN, November 2019

Deconstructing the Mountains: Christian Normativity and Whiteness in Policy, Professions, and Education, Indiana University Consortium for the Study of Religion, Ethics, and Society, Indianapolis, IN, 14 October 2019

Understanding Midwest Antisemitism in Context, Jewish Federation of Greater Dayton (OH) and the Jewish Agency for Israel, Dayton, OH, 12 September 2019

Growing Hate: The Impacts of White Nationalism on Communities in Central Indiana, Indiana University Consortium for the Study of Religion, Ethics, and Society, Indianapolis, IN, 3 September 2019

What We Know About Suburban Middle School Teachers and Their Approaches to Diversity and Equity, Hamilton Southeastern School Corporation Diversity and Equity Committee, Fishers, IN, 29 August 2019

Understanding Contemplative Approaches to Teaching and Learning, Lander Center for Educational Research, Touro College Graduate School of Education, Online, 10 April 2019

#ShowUpForShabbat *Hesped* (Eulogy) for the Victims of the Tree of Life Synagogue Shooting, Congregation Beth-El Zeddick, Indianapolis, IN, 2 November 2018

Hesped (Eulogy) for the Victims of the Tree of Life Synagogue Shooting, Indianapolis Hebrew Congregation and Interfaith Indiana, Indianapolis, IN, 29 October 2018

Being Jewish in School and "Soft" Antisemitism, Indianapolis Jewish Community Relations Council, Indianapolis, IN, 10 October 2018

Understanding the Ins and Outs of Antisemitism, Indianapolis Jewish Community Relations Council, Indianapolis, IN, 10 October 2018

On Beyond Accessibility: Designing Courses for Equity and Inclusion with Universal Design for Learning, Indiana Instructional Design Colloquium, Indiana, IN, 12 April 2018

Introducing Urban Education: Recognizing Cultural Tapestries in Israeli Educational Systems, Western Galilee College, Akko, Israel, 20 June 2018

Critical Conversations: Teaching Contested Narratives, IUPUI Office of Intercultural Literacy, Capacity and Engagement, Indianapolis, IN, 7 February 2018

Critical Conversations: Talking Religion on Campus IUPUI Office of Intercultural Literacy, Capacity and Engagement, Indianapolis, IN, 6 December 2017

Bringing Machshavah to Machshevim: A Mindful Approach to Technology in Jewish Education (Keynote Address), National Association of Temple Educators, Seattle, WA, 2 February 2011

Linked In: Evolution or Revolution? (Keynote Address with Ari Kelman), National Association of Temple Educators, Seattle, WA, 30 January 2011

leadership and service

Public Engagement

School- and Corporation-Based Listening Sessions to Understand the Challenges and Opportunities of Remote Learning During COVID-19, Convener/Facilitator, 2020

After- and Out-of-School Education Organization-Based Listening Sessions to Understand the Challenges and Opportunities of Remote Learning During COVID-19, Convener/Facilitator, 2020

Western States Center White Nationalist Toolkit for Schools, Media Contact, 2019-Present

Federal Bureau of Investigation, Consultant on White Nationalism, 2019-Present

Bloomington (IN) City Farmers Market, Consultant on White Nationalism, 2019

Central Indiana Antisemitism Symposium Planning Committee, Member, 2018

Indianapolis Black-Jewish Partnership, Urban League and Jewish Community Relations Council, Steering Committee Member and Participant, 2017-2020

Professional Leadership and Service

Critical Educational Technology Scholars Alliance, Activism and Community Engagement Chair, 2021-Present

Shofar: An Interdisciplinary Journal of Jewish Studies, Reviewer, 2021-Present

Journal of Digital Learning and Teacher Education, Reviewer, 2013-Present

Journal of Research on Science Education, Reviewer, 2012-Present

American Educational Research Association Annual Meeting, Reviewer, 2012-Present

National Association for Research on Science Teaching, Reviewer, 2012-2014

International Society for Technology in Education (ISTE) Standards for Teachers Redesign, Consultant for Diversity, Equity, Inclusion, and Urban Community Engagement, 2016-2017

Complicity: An International Journal of Complexity and Education, Reviewer, 2010-Present

School and University Leadership and Service

IUPUI Office of International Affairs Curriculum Internationalization Committee, Member, 2020-Present

IUPUI Chancellor's Interfaith Inclusion Task Force, Member, 2019-2020

IU School of Education-Indianapolis at IUPUI Teacher Education Student Learning Contract Drafting Task Force, Member, 2018-2021

IU School of Education-Indianapolis at IUPUI, Faculty Development and Advancement Committee, Member, 2018-Present

IUPUI Bias, Hate, and Extremism Task Force of the Chancellor's Diversity Cabinet, Member, 2018-2020

IUPUI Chancellor's Diversity Cabinet, Member, 2018-2020

Hamilton Southeastern School Corporation Relationship-Building Liaison, 2018-2020

IUPUI Civic Literacy and Engagement Task Force, Member, 2018-2019

IU School of Education-Indianapolis at IUPUI, Counseling Tenure Track and Clinical Faculty Search Committee, Member, 2018-2019

IU School of Education-Indianapolis at IUPUI Leadership Council, Member, 2018-2019

IU School of Education-Indianapolis at IUPUI, Graduate Studies Committee, Member, 2018-2019

IUPUI Office of International Affairs Campus Council, Representative, 2017-Present

IU School of Education-Indianapolis at IUPUI Technology Specialized Improvement Plan for CAEP Re-Accreditation, Coordinator, 2017-Present

IUPUI Distance Education Committee, Member, 2017-Present

IUPUI Jewish Student Association, Faculty Advisor, 2017-2020

IUPUI Interreligious Dialogue Group, Convener and Co-Facilitator, 2017

IU Online Learning and Teaching with Technology Masters Degree Collaborative Committee, IUPUI Representative, 2016-Present

IUPUI Jewish Faculty and Staff Council, Founding Chair, 2017-2020

IUPUI Affinity Groups Council, Member, 2017-2020

IU School of Education-Indianapolis at IUPUI, Technology-Based Benchmark Assessment Items for Student Teachers, Coordinator, 2016-Present

IU School of Education-Indianapolis at IUPUI Counseling Clinical Faculty Search Committee, Member, 2017-2018

IU School of Education-Indianapolis at IUPUI Graduate Program Policy Council, Member, 2016-2018

IU School of Education Core Campus Learning Technologies Committee, Member, 2016-2018

Professional Memberships

Critical Educational Technology Scholars Alliance, 2019-Present

Society for Information Technology in Teacher Education, 2017-Present

Association for Contemplative Mind in Higher Education, 2014-Present

American Education Research Association, 2010-Present

International Society for Technology in Education, 2010-Present

National Association for Research in Science Teaching, 2010-2014

media coverage

Lindsay, J. (2020, September 17). More than $60 Million Going to Indiana Schools for Teacher Training, Remote Learning [Radio Broadcast]. NPR.

Sherridan, J., Beam, M., Price, J. F., Wilde, J. (2020, September 16). How Do We Make Remote Learning Better? [Radio Broadcast]. NPR.

Doherty, S. (2020, June 3). Inside Operation Pridefall: 4chan's Attempt to Bring Down Pride 2020. Vice News.

Grossman, D. (2018, October 30). Indianapolis Hebrew Congregation Hosts Memorial. NUVO.

Barrett, C. (2018, October 30). Communities Rally After Anti-Semitic Pittsburgh Shooting.

Bull, H. (2018, October 30). Indianapolis memorial service honors 11 killed in Pittsburgh synagogue shooting.

Longnecker, E. (2018, October 29). 11 lost in Pittsburgh synagogue shooting remembered in Indianapolis.

Hill, C. (2018, October 29). Indianapolis faith leaders call for unity, vigilance after synagogue shooting. Indianapolis Star.

Barrett, C. (2018, October 10). Anti-Semitism in Schools on the Rise.

Wiley, A. (2015, June 23). FSU, TEKids receive grant to launch STEM initiative. Times West Virginian.

Wiles, S. (2015, June 22). Fairmont State STEM grant connects schools statewide.

Anne Todd Ottenbreit-Leftwich

Indiana University
Wright Education 2220
201 North Rose Avenue
Bloomington, IN 47405
left@indiana.edu

Education

Ph.D.   2007
Educational Technology, emphasis Teacher Education
Department of Curriculum and Instruction
Purdue University, West Lafayette, Indiana

Dissertation: Exemplary Technology-Using Teachers: Visions, Strategies, and Developmental Processes

M.A.   2003
Major: Educational Technology in Technology Coordination
Minor: Technology Applications
Department of Educational Studies
Western Michigan University, Kalamazoo, Michigan

Thesis: Effects of Computer Troubleshooting on Elementary Students' Problem Solving Skills

B.S.   2002
Major: Elementary Education, Suma Cum Laude
Minors: Science/Math, Early Childhood Education, Integrated Creative Arts
Western Michigan University, Kalamazoo, Michigan

Michigan State Teaching Certification (inactive):
Elementary Education (K-5), Science (6-8), Early Education Certification

Academic Appointments

Indiana University, Instructional Systems Technology Department
Associate Professor
Spring 2013 to present

Indiana University, Computer Science

Adjunct Associate Professor
Spring 2017 to present

Indiana University, Instructional Systems Technology Department

Assistant Professor
Spring 2007 to 2013

Purdue University, Center for Instructional Excellence
Graduate Assistant
Fall 2005 to Summer 2006

Purdue University, Curriculum and Instruction Department
Teaching Assistant & Research Assistant, Educational Technology Program
Fall 2003 to Spring 2006

Externally Funded Projects

Kwon, K., Closer, F., **Ottenbreit-Leftwich, A.**, Glazewski, K., Acharya, R., Dakilic, M. (2021-2024). AI Goes Rural. Proposal funded by the Department of Defense. $1,400,000.

Glazewski, K., Hmelo-Silver, C., **Ottenbreit-Leftwich, A.**, & Scribner, J. (2019-2021). PrimaryAI: Integrating Artificial Intelligence into Upper Elementary Science with Immersive Problem-Based Learning. Proposal funded by the National Science Foundation: STEM+C. $670,000.

Ottenbreit-Leftwich, A., Brush, T., DeLyser, L., Yadav, A., Simon, B., & Childs, J. (2019). National Computer Science Education Preservice Case Studies. Proposal funded by Google Computer Science Education Research Grant. $137,447.

Ottenbreit-Leftwich, A., Brush, T., Kwon, K., Dalkilic, M., & Roberts, M. (2018). Examining the impact of socially relevant problem-based learning curriculum at the elementary level: Students' CS interest/knowledge and teachers' implementation needs. Proposal funded by Google Computer Science Education Research Grant. $101,678.

Fletcher, C., Biggers, M., DeLyser, L., **Ottenbreit-Leftwich, A.**, & Richardson, D. (2018). Expanding Computing Education Pathways (ECEP) Alliance Pathways 2.0. Proposal submitted to the National Science Foundation, ECEP. $2,492,815.

Ottenbreit-Leftwich, A., & Biggers, M. (2017). Expanding Computing Education Pathways (ECEP) Indiana Case Studies of BPC. Proposal funded by the National Science Foundation, ECEP. $12,369.

Pritchett, T., & **Leftwich, A. T**. (Co-PD/PI). (2017). MCCSC Summer of eLearning Grant. Proposal funded by the Indiana Department of Education (Office of eLearning). $14,000.00.

Ottenbreit-Leftwich, A., & Biggers, M. (2016). Expanding Computing Education Pathways in Indiana: BPC Summits and CS Education Landscape Report. Proposal funded by the National Science Foundation, ECEP. $25,000.

Brush, T., Glazewski, K., **Ottenbreit-Leftwich, A**., Shuester, M., & Saye, J. (2010 – 2013). PBL-Tech: Using Web 2.0 Resources to Support Problem-Based Curricular Innovations in Pre-Service Teacher Education. Proposal funded by the Fund for the Improvement of Postsecondary Education (FIPSE). Approximately $750,000.

Plucker, J., Mueller, P., Rouge, E., Brush, T., & **Ottenbreit-Leftwich, A**.
 (2010 – 2011). Evaluation of Indiana's Enhancing Education Through Technology (EETT) Program. Proposal funded by the Indiana Department of Education. Approximately $325,000.

Plucker, J., Brown, C., Brush, T., **Ottenbreit-Leftwich, A.,** & Bonk, C.
Leveraging technology to keep America competitive. (2007-2009). Contract awarded by the Department of Education, Office of Educational Technology. Amount awarded: Approximately $3.1 million.

Ottenbreit-Leftwich, A. T., & Simons, K. D. (2005). Technology toolkits for preservice teachers: Enabling future teachers to work with K-12 students and technology. Proposal funded by the Michigan Association for Computer Users in Learning. $ 1,782.

Internally Funded Projects

Leftwich, A. T., Karlin, M., Liao, J., Lu, Y. (2017). Developing an open textbook with expert contributions for W200: Computers in education. Proposal funded by the School of Education: Learning and Technology Committee, Indiana University. $4,000.

Glazewski, K., **Ottenbreit-Leftwich, A.**, Hoey, B., Aslan, S., Sadik, O. (2013). Technology integration concerns: A dialogue between pre-service teachers and exemplary in-service teachers. Proposal funded by the Indiana University Scholarship of Teaching and Learning (SoTL) Program. $4,000.

Ottenbreit-Leftwich, A., & Richardson, J. (2005). Preservice technology integration simulation: Encountering technology integration problems in an open-ended learning environment. Proposal awarded by Purdue University's Multimedia Instructional Development Center. $15,000.

Awards and Certifications

- MIT INSPIRE CS-Artificial Intelligence Fellow, 2019-2021
- Scholarly Advancement of Teacher Education and the Field of Educational Technology Award, Association for Educational Communications and Technology, 2017
- Outstanding Faculty Mentor-Advocate Award, Center of Excellence for Women in Technology, 2017
- Best Paper Award, Instructional Technology SIG, American Educational Research Association, 2014
- Faculty Fellow for Open Education Resources, Indiana University, 2013
- AECT Design and Development Division Showcase, The PBL-Tech Project: Web 2.0 Tools to Support Problem-Based Learning in Science and Social Studies, 2013
- The Trustee's Teaching Award, Indiana University, 2011, 2018
- Service Learning Faculty Fellow, Indiana University, 2010-2011
- Best Paper Award, International Society for Technology and Teacher Education, Special Interest Group Teacher Education, 2010
- Educational Communications and Technology Foundation Young Researcher Award, 2008
- American Educational Research Association Public Communication for Early-Career Education Researchers- Learning the Ropes, 2008
- Teaching Academy Associate Fellow, Purdue University, 2006
- Purdue Research Foundation Grant Recipient, 2006
- DeBruicker Scholarship, Purdue University, 2006
- Graduate School Outstanding Graduate Teaching Assistant Award, Purdue University, 2006
- Purdue University Graduate School E-Portfolio Winner, 2005
- Purdue University Ross Fellowship Recipient, 2003 – 2007

Publications

Peer Reviewed Articles

Designations: *T=Teaching, R=Research, S=Service,*
SCA = Student Co-Author, TCA=Teacher Co-Author

R SCA	Sadik, O., **Ottenbreit-Leftwich, A.T.,** & Brush, T.A. (2020). Secondary computer science teachers' pedagogical needs. *International Journal of Computer Science Education in Schools, 4*(1), 33-52. https://doi.org/10.21585/ijcses.v4i1.79
R SCA	**Ottenbreit-Leftwich, A.T.,** Liao, Y., Karlin, M., Ding, A., Guo, M., & Lu, Y. (2020). Year-long implementation of a research-based professional development technology coaching model in an elementary school. *Journal of Digital Learning in Teacher Education.* https://doi.org/10.1080/21532974.2020.1804494

T+R SCA	Jung, J., Ding, A., Lu, Y., **Ottenbreit-Leftwich, A.**, & Glazewski, K. (2020). Is digital inequality a part of preservice teachers' reasoning about technology integration decisions? *American Behavioral Scientist, 64*(7), 994-1011. https://doi.org/10.1177/0002764220919141.
R+S SCA	Brush, T., **Ottenbreit-Leftwich, A.**, Kwon, K., & Karlin, M. (2020). Implementing socially relevant problem-based computer science curriculum at the elementary level: Students' computer science knowledge and teachers' implementation needs. *Journal of Computers in Mathematics and Science Teaching, 39*(2), 109-123.
T+S	Tissenbaum, M., & **Ottenbreit-Leftwich, A.** (2020). A vision of K-12 computer science education for 2030: Goals, perspectives and challenges. *Communications of the Association for Computing Machinery Magazine, 65*(5), 42-44. https://doi.org/10.1145/3386910
R TCA	Kopcha, T., Neuman, K., **Ottenbreit-Leftwich, A.**, & Pitman, E. (2020). Process over product: The next evolution of our quest for technology integration. *Educational Technology Research and Development, 68*(2), 729-749. https://doi.org/10.1007/s11423-020-09735-y
S SCA	Richardson, J., Brush, T., **Ottenbreit-Leftwich, A.,** Karlin, M., Leary, H., Shelton, B., Lowell, V., Exter, M., Strycker, J., & Shin, S. (2020). Innovations in instructional design and technology programs: A view from PIDT 2018. *TechTrends, 64*, 432-438. http://doi.org/10.1007/s11528-019-00445-8
T+R	Jung, J., & **Ottenbreit-Leftwich, A.** (2020). Course-level modeling of preservice teacher learning of technology integration. *British Journal of Educational Technology,* 51(2), 555-571. http://doi.org/10.1111/bjet.12840
T+R SCA	Ozogul, G., Karlin, M., **Ottenbreit-Leftwich, A**., Ding, A. C. E., Liao, Y. C., & Guo, M. (2019). Instructional practices for addressing computer science standards: Using computer kits in preservice teacher education. *Research on Education and Media, 11*(1), 18-24. http://doi.org/10.2478/rem-2019-0004
R	Prestridge, S., Tondeur, J., & **Ottenbreit-Leftwich, A.** (2019). Insights from ICT-expert teachers about the design of educational practice: The learning opportunities of social media. *Technology, Pedagogy and Education, 28*(2), 157-172. http://doi.org/10.1080/1475939X.2019.1578685

R SCA	Kwon, K., **Ottenbreit-Leftwich, A.,** Sari, A., Khalif, Z., Zhu, M., Nadir, H., & Gok, F. (2019). Teacher's self-efficacy matters: Exploring the integration of mobile computing device in middle schools. *TechTrends, 63,* 682–692. http://doi.org/10.1007/s11528-019-00402-5
T+R SCA	Ding, A. **Ottenbreit-Leftwich, A**., Lu, Y., & Glazewski, K. (2019). EFL teachers' pedagogical beliefs and practices with regard to using technology. *Journal of Digital Learning in Teacher Education, 35*(1), 20-39. http://doi.org/10.1080/21532974.2018.1537816
R SCA	**Ottenbreit-Leftwich, A.T.**, Liao, Y., Sadik, O., & Ertmer, P. (2018). The evolution of four tech-savvy beginning teachers' technology knowledge, beliefs, and practices. *Journal of Research on Technology in Education, 50*(4), 282-304. https://doi.org/10.1080/15391523.2018.1487350
T+S SCA	Ozogul, G., Karlin, M., & **Ottenbreit-Leftwich, A.** (2018). Evaluation of computer science preservice teacher program. *Journal of Technology and Teacher Education, 26*(3), 375-409.
T+R SCA	Karlin, M., **Ottenbreit-Leftwich, A.**, Ozogul, G., & Liao, Y. (2018). K-12 technology leaders: Reported practices of technology professional development planning, implementation, and evaluation. *Contemporary Issues in Technology and Teacher Education, 18*(4). Retrieved from https://www.citejournal.org/volume-18/issue-4-18/current-practice/k-12-technology-leaders-reported-practices-of-technology-professional-development-planning-implementation-and-evaluation
T+R SCA	**Ottenbreit-Leftwich, A.T.**, Glazewski, K., Brush, T., Aslan, S., & Zachmeier, A. (2018). Exemplary technology-using in-service teachers' expertise and modeling through electronic channels to address pre-service teachers' concerns about technology integration. *Australasian Journal of Educational Technology, 34*(4). http://doi.org/10.14742/ajet.3246
T SCA	Jia, X., Jung, J., & **Ottenbreit-Leftwich, A**. (2018). Learning technology integration from a service-learning project: Connecting preservice teachers to real-world problems. *Journal of Experiential Education, 41*(3), 261–276. http://doi.org/10.1177/1053825917738269
T+R SCA	Liao, Y., **Ottenbreit-Leftwich, A.T.**, Karlin, M., Glazewski, K., & Brush, T. (2017). Supporting change in teacher practice: Examining shifts of teachers' professional development preferences and needs for technology integration. *Contemporary Issues in Technology and Education, 17*(4). Retrieved from https://citejournal.org/volume-17/issue-4-17/general/supporting-change-in-

teacher-practice-examining-shifts-of-teachers-professional-development-preferences-and-needs-for-technology-integration

T+R
SCA

Lu, Y., **Ottenbreit-Leftwich, A.T.**, Ding, A., & Glazewski, K. (2017). Experienced iPad-using early childhood teachers' practices in the one-to-one iPad classroom. *Computers in the Schools, 34*(1-2), 9-23. http://doi.org/10.1080/07380569.2017.1287543

R
SCA

Tonduer, J., vanBrak, J., Ertmer, P., & **Ottenbreit-Leftwich, A.** (2017). Understanding the relationship between teachers' pedagogical beliefs and technology use in education: A systematic review of qualitative evidence. *Educational Research Technology & Development, 65*(2), 555-575. http://doi.org/10.1007/s11423-016-9481-2

R
SCA

vanLeusen, P., **Ottenbreit-Leftwich, A.**, & Brush, T. (2016). Interpersonal consulting skills for instructional technology consultants: A multiple case study. *TechTrends, 60*(3), 253-259. http://doi.org/10.1007/s11528-016-0046-3

R
SCA

Roman, T., & **Ottenbreit-Leftwich, A.** (2016). Comparison of parent and teacher perceptions of essential website features and elementary teacher website practice: Implications for teacher communication practice. *Journal of Digital Learning in Teacher Education, 32*(1), 13-25*.* http://doi.org/10.1080/21532974.2015.1092897

R
SCA
TCA

Gyabak, K., **Ottenbreit-Leftwich, A.**, & Ray, J. (2015). Teachers using designerly thinking in K-12 online course design. *Journal of Online Learning Research, 1*(3), 253-274*.*

R
SCA

Sabir, N., & **Ottenbreit-Leftwich, A.** (2014). Expanding the classroom with educational technology: A case study of a Cuban polytechnic high school. *World Journal on Educational Technology, 6*(3), 249-264.

T+R
SCA

Kopcha, T., **Ottenbreit-Leftwich, A.T.,** Jung, J., & Derya, K. (2014). Examining the TPACK Framework through the convergent and discriminant validity of two measures. *Computers and Education, 78*, 87-96. http://doi.org/10.1016/j.compedu.2014.05.003

R

Ertmer, P.A., & **Ottenbreit-Leftwich, A.T.** (2013) Removing obstacles to the pedagogical changes required by Jonassen's vision of authentic technology-enabled learning. *Computers and Education, 64*, 175-182*.* http://doi.org/10.1016/j.compedu.2012.10.008

T+R SCA	Ertmer, P., **Ottenbreit-Leftwich, A**., Sadik, O., Sendurur, E., & Sendurur, P. (2012). Teacher beliefs and technology integration practices: A critical relationship. *Computers and Education, 59*(2), 423-435. http://doi.org/10.1016/j.compedu.2012.02.001
T+R SCA	**Ottenbreit-Leftwich, A.,** Brush, T., Strycker, J., Gronseth, S., Roman, T., Abaci, S., van Leusen, P., Shin, S., Easterling, W., & Plucker, J. (2012). Preparation versus practice: How do teacher education programs and practicing teachers align in their use of technology to support teaching and learning? *Computers and Education, 59*(2), 399-411. http://doi.org/10.1016/j.compedu.2012.01.014
R SCA	Tondeur, J., van Braak, J., Sang, G., Voogt, J., Fisser, P., **Ottenbreit-Leftwich, A.** (2012). Preparing pre-service teachers to integrate technology in education: A synthesis of qualitative evidence. *Computers and Education, 59*(1), 134-144. http://doi.org/10.1016/j.compedu.2011.10.009
T+R SCA	Gronseth, S., Brush, T., **Ottenbreit-Leftwich, A.,** Strycker, J., Abaci, S., Easterling, W., Roman, T., Shin, S., & van Leusen, P. (2010). Equipping the next generation of teachers: Technology preparation and practice. *Journal of Digital Learning in Teacher Education.* http://doi.org/10.1080/21532974.2010.10784654
T	**Ottenbreit-Leftwich, A.T.,** Glazewski, K., & Newby, T. (2010). Preservice technology integration course revision: A conceptual guide. *Journal of Technology and Teacher Education, 18*(1), 5-33.
R	Ertmer, P. A., & **Ottenbreit-Leftwich, A. T.** (2010). Teacher technology change: How knowledge, beliefs, and culture intersect. *Journal of Research on Technology in Education, 42*(3), 221-251. http://doi.org/10.1080/15391523.2010.10782551
T+R	**Ottenbreit-Leftwich, A. T.,** Glazewski, K., Newby, T., & Ertmer, P. (2010). Teacher value beliefs associated with using technology: Addressing professional and student needs. *Computers & Education, 55*(3), 1321-1335. https://doi.org/10.1016/j.compedu.2010.06.002
T	Plucker, J. P., & **Ottenbreit-Leftwich, A. T.** (2010). Knowledge is where you make it: A response to Ghassib. *Gifted and Talented International, 25*(1)*,* 89-94.
T+R	Ertmer, P. A., Simons, K. D., Jones, D., **Ottenbreit-Leftwich, A.**, Goktas, Y., Collins, K., & Kocaman, A. (2009). Facilitating technology-enhanced PBL in the K-12 classroom: An examination of how and why teachers adapt. *International Journal of Learning Technology. 20*(1), 35-54.

T+R	Richardson, J. C., Ertmer, P., Aagard, H., **Ottenbreit, A.** & Yang, D. (2007). Factors influencing teachers' implementation of digital age literacy skills and strategies. *Teacher Education & Practice, 20*(3), 239-262. Retrieved from https://www.learntechlib.org/p/71509/
T+R	Ertmer, P. A., **Ottenbreit-Leftwich, A. T.,** & York, C. S. (2006). Exemplary technology-using teachers: Perceptions of factors influencing success. *Journal of Computing in Teacher Education, 23*(2), 55-61.
T	**Ottenbreit-Leftwich, A. T.,** & Cullen, T. A. (2006). Preserving the legacy of PT3 tools, strategies & resources: Knowledge capture artifacts. *TechTrends, 50*(3), 46-52. https://doi.org/10.1007/s11528-006-7603-0

Editorials

Mouza, C., Yadav, A. & **Ottenbreit-Leftwich, A.** (2018). Developing computationally literate teachers: Current perspectives and future directions for teacher preparation in computing education. *Journal of Technology and Teacher Education, 26*(3), 333-352.

Books

Designations: *T=Teaching, R=Research, S=Service,*
SCA = Student Co-Author, TCA=Teacher Co-Author

R+T	Mouza, C., Yadav., A., & **Ottenbreit-Leftwich, A.** (2021). *Preparing inservice teachers to teach computer science: Models, practices and policies*. Springer.
R+T	Mouza, C., Yadav., A., & **Ottenbreit-Leftwich, A.** (2021). *Preparing preservice teachers to teach computer science: Models, practices and policies*. Springer.
T	**Ottenbreit-Leftwich, A.** & Kimmons, R. (2018). *The K-12 Educational Technology Handbook.* EdTech Books [self-published]. http://edtechbooks.org/k12handbook
T	Newby, T.J., Stepich, D. A., Lehman, J.D., Russell, J.D., & **Ottenbreit-Leftwich, A.T.** (2010*). Instructional technology for teaching and learning: Designing instruction, integrating computers, and using media* (5th ed.). Prentice-Hall.
T	**Leftwich, A. T.**, & York, C. S. (2006). *Taskstream: The tools of engagement EDCI 270 Manual* (2nd ed.). Pearson Education, Inc.

| T | Newby, T. J. & **Ottenbreit, A. T**. (2005). *Teaching and learning with Microsoft Office and FrontPage CD-Rom Tutorials* [Computer software]. Pearson Education, Inc. |

Book Chapters

Designations: *T=Teaching, R=Research, S=Service,*
SCA = Student Co-Author, TCA=Teacher Co-Author

T	Cullen, T., & **Ottenbreit-Leftwich, A.** (2020). Revisiting preservice technology integration course content: What are the critical objectives? In Ferdig, R. E., Baumgartner, E., Hartshorne, R., Kaplan-Rakowski, R., & Mouza, C. (Eds.) *Teaching, technology, and teacher education during the covid-19 pandemic: Stories from the field*. (pp. 457-464). Association for the Advancement of Computing in Education (AACE). Available at: https://www.learntechlib.org/primary/p/216903/.
R	**Ottenbreit-Leftwich, A.,** Kopcha, T., & Ertmer, P. (2018). Teacher dispositions associated with ICT. In P. Albion & J. Tonduer (Eds.), *International handbook of information technology in primary and secondary education* (pp. 1-25). Springer.
R+T	**Ottenbreit-Leftwich, A.,** & Brush, T. (2018). Issues and trends in K-12. In R. Reiser & P. Dempsey (Eds.), *Trends and issues in instructional design and technology* (4th ed., pp. 176-182). Pearson Education.
T+R SCA	Sadik, O., **Ottenbreit-Leftwich, A.,** & Nadiruzzaman, H. (2017). Computational thinking conceptions and misconceptions: Progression of preservice teacher thinking during computer science lesson planning. Rich, P. J., & Hodges, C. (Eds.), *Computational thinking: Research and practice* (pp. 221-238)*.* Springer.
R	**Ottenbreit-Leftwich, A.,** Ertmer, P., & Tonduer, J. (2015). Interpretation of research on technology integration in teacher education: Preparation and current practices. In M. Valcke (Ed.), *International handbook of interpretation in educational research* (pp. 1239-1262)*.* Springer.
R	Ertmer, P., **Ottenbreit-Leftwich, A.,** & Tonduer, J. (2015). Teacher beliefs and uses of technology to support 21st century teaching and learning. In H. Five & M. Gills (Eds.), *International handbook of research on teachers' beliefs* (pp. 423-453)*.* Routledge.

T+R	Brush, T., Glazewski, K., **Ottenbreit-Leftwich, A,** & Baker, J. (2014). Using technology to support the unique needs of gifted learners: Promise and challenges. In J. A. Plucker & C. M. Callahan (Eds.), *Critical issues and practices in gifted education: What the research says* (2nd ed., pp. 707-722). Prufrock Press.
T+R	**Ottenbreit-Leftwich, A.T.** (2012). The importance of using subject-specific technology uses to teach TPACK: A case study. In D. Polly, C. Mims, & K. Perschitte (Eds.), *Creating technology-rich teacher education programs: Key issues* (pp. 152-169). IGI Global.
T+R SCA	**Ottenbreit-Leftwich, A.T.,** Millard, M., & vanLeusen, P. (2011). Instructional technical and pedagogical design: Teaching future teachers educational technology. In A. Olofsson & O. Lindberg (Ed.), *Informed design of educational technologies in higher education: Enhanced learning and teaching* (pp. 452-473). IGI Global.

Other Publications

Moore, T., & **Ottenbreit-Leftwich, A.** (2020). *The Integration of Computational Thinking in Early Childhood and Elementary Education.* Submitted to the National Academy of Sciences.

Ottenbreit-Leftwich, A.T. & Biggers, M. (2017). *Status of K-14 computer science education in Indiana: Landscape Report.* Submitted to the NSF's ECEP Alliance, the Indiana Department of Education, Governor of Indiana, Code.org, and Indiana legislators. http://bit.ly/CSforINFinalReport

Ottenbreit-Leftwich, A.T. (2009). Educational technology and teacher preparation policy within the United States. *Indire: L'Agenzia Nazionale per lo Sviluppo dell'Autonomia Scolastica, Florence, Italy.*

Plucker, J. P., Bonk, C. J., Brush, T. A., & **Ottenbreit-Leftwich, A. T.** (2009). A parent's guide to the Internet (written content). *Department of Education, Office of Educational Technology.* http://bit.ly/USInternetGuide

Ottenbreit-Leftwich, A. T., & Simons, K. D. (2007). Technology toolkits: An answer to integration at the preservice level. *Michigan Association for Computer Users in Learning Journal, 27*(4), 42-44.

International Invited Presentations

Ottenbreit-Leftwich, A., & Fletcher, C. (2019, July). Google computer science educational research grants: A summary of 2018-2019 cohort projects. *Invited presentation at Grace Hopper Down Under, Brisbane, Australia.*

Ottenbreit-Leftwich, A.T. (2009, October). The role of teachers and pre-teachers to foster future learners. *Paper presented at Korea-OECD International Seminar: New Millennium Learners and Teachers, Seoul, Korea.*

Ottenbreit-Leftwich, A. T. (2008, December). US approaches to teacher education in ICT. *Presentation to European Schoolnet, Rome, Italy.*

Ottenbreit-Leftwich, A. T. (2008, December). US approaches to teacher education in ICT. *Presentation to Indire: L'Agenzia Nazionale per lo Sviluppo dell'Autonomia Scolastica, Florence, Italy.*

Ottenbreit-Leftwich, A. T. (2008, October). US national study of teacher education programs and how they prepare teachers to use technology. *Presentation to the New Millennium Learners Project at the Organization for Economic Co-operation and Development's Centre for Educational Research and Innovation (CERI), Paris, France.*

National Invited/Keynote Presentations

Rasberry, M., Peterfreund, A., Oommen, B., McGowan, N., & **Ottenbreit-Leftwich, A.** (2020, June). June expert panel: Integrating computer science and computational thinking in the preK-8 grades. STEM for all multiplex. Retrieved from https://multiplex.videohall.com/pages/june2020webinar

Hendrickson, K., Rosato, J., **Ottenbreit-Leftwich, A.,** & Hu, H. (2019, October). Preservice teacher education certification and pathways. *Invited panel presentation at CS ED CON, Las Vegas, NV.*

Adrion, R., Brennan, K., Frye, D., **Ottenbreit-Leftwich, A.,** Stephenson, C., & Warner, J. (2019, October). A dialogue between researchers and policymakers (presented by Google). *Invited panel presentation at CS ED CON, Las Vegas, NV.*

Richardson, D., Freeman, S., Hu, H., **Ottenbreit-Leftwich, A.**, etc. (2019, October). Who's missing out? Using state landscape reports to understand and advocate for CS equity in your state. *Invited panel presentation at CS ED CON, Las Vegas, NV.*

DeLyser, L., & **Ottenbreit-Leftwich, A.** (2019, May). Finding a home for computer science in schools of education. *Invited presentation at the National Council for Women in Technology, Nashville, TN*.

Biggers, M., **Ottenbreit-Leftwich, A.,** Elder, J., Cornforth, K., & Baskin, J. (2018, July). Why do teachers matter? *Invited panel presentation at Infosys Pathfinders Conference, Bloomington, IN.*

Ottenbreit-Leftwich, A., Adrion, R., Dovi, R., & Abell, O. (2018, January). Creating real pathways to broadening computer science education. *Invited panel presentation at Expanding Computer Education Pathways Conference, Atlanta, GA.*

Englund, J., Dousay, T., Ertmer, P., & **Ottenbreit-Leftwich, A.** (2016). Alternatives to lectures. *Symposium presentation at the Association for Educational Communications and Technology International Convention, Las Vegas, NV*.

Polly, D., **Ottenbreit-Leftwich, A.,** Mims, C., Daniels, L., Brynteson, K., & Calandra, B. (2015). Panel discussion on professional development to support technology integration. *Symposium presentation at the Association for Educational Communications and Technology International Convention, Indianapolis, IN.*

Ottenbreit-Leftwich, A., Kale, U., Banas, J., Ball, M. (2013, October). The technology service course for teacher education: Materials and methods share. *Symposium presentation at the Association for Educational Communications and Technology International Convention, Anaheim, CA.*

Ottenbreit-Leftwich, A. (2013, September). Preservice teacher education and educational technology courses: How can we influence future practices of novices in stand-alone courses? *Invited paper presented at Design Based Research Conference, Athens, GA.*

Kopcha, T., Rieber, L., Brush, T., Glazewski, K., Inan, F., **Ottenbreit-Leftwich, A.,** & Strycker, J. (2012, October). Crafting a dossier that effectively represents yourself and your scholarship. *Invited panel at Association for Educational Communications and Technology International Convention, Louisville, KY.*

Jung, J., **Ottenbreit-Leftwich, A.,** Kopcha, T., Ertmer, P., Brantley-Dias, L., Polly, D., & Graham, C. (2012, October). TPACK: A lively debate. *Invited panel at Association for Educational Communications and Technology International Convention, Louisville, KY.*

Brush, T., Glazewski, K., Belland, B., **Ottenbreit-Leftwich, A**., & Leary, H. (2012, October). Problem-based learning and teacher education. *Invited panel at Association for Educational Communications and Technology International Convention, Louisville, KY.*

Cullen, T., & **Ottenbreit-Leftwich, A.T.** (2010, April). Surviving the 3rd year review. *Invited roundtable presentation at American Education Research Association Conference, Denver, CO.*

Brush. T.A., **Ottenbreit-Leftwich, A.T.,** Cullen, T.A., Hur, J.W., Kale, U., Glazewski, K. D. (2009, October). GSA: Advice for the job hunt. *Invited panel at Association for Educational Communications and Technology International Convention, Louisville, KY.*

Brush, T.A., & **Ottenbreit-Leftwich, A.T.** (2009, April). Technology and teacher preparation. *Invited presentation at the American Education Research Association Conference, San Diego, CA.*

Ertmer, P.A., & **Ottenbreit-Leftwich, A.T.** (2009, April). The four constructs of teacher change: Beliefs, knowledge, self-efficacy, and culture. *Invited paper presentation at the American Education Research Association Conference, San Diego, CA.*

Ottenbreit-Leftwich, A. T., Newby, T. J., Glazewski, K. D., & Ertmer, P. A. (2008, October). Values associated with using technology to address professional and student needs. *Young Researcher Award paper presented for the Association for Educational Communications and Technology International Convention, Orlando, FL.*

Ottenbreit-Leftwich, A. T., & Brush, T. A. (2008, October). Supporting the use of emerging technologies in schools: Research and implications of the leveraging technology to keep America competitive project. *Invited paper presented at Association for Educational Communications and Technology International Convention, Orlando, FL.*

Brush, T. A. & **Ottenbreit-Leftwich, A. T.** (2008, March). A United States Department of Education national study of preservice technology integration programs. *Invited paper presented at the Society for International Technology and Teacher Education, Las Vegas, NV.*

State/Local Invited/Keynote Presentations

Ottenbreit-Leftwich, A. (2019, May). Indiana's K-12 computer science education journey. *Minnesota Summit for K-12 Computer Science Education, Minneapolis, MN.*

Ottenbreit-Leftwich, A.T., & Karlin, M. (2019, June). Empowering student civic engagement through computer science and technology. *Full STEAM ahead Decatur eLearning conference, Decatur, IN.*

Ottenbreit-Leftwich, A.T., & Karlin, M. (2018, October). Integrating computational thinking to address the Indiana computer science standards in ELA. *Invited presentation at Flipping the Switch, Indianapolis, IN.*

Ottenbreit-Leftwich, A.T. (2018, September). Computer science in Indiana: What's our current status? *Keynote presentation for Regional Opportunities Initiatives, Westgate, IN*.

Ottenbreit-Leftwich, A.T. (2013, October). Using technology to your advantage in the classroom. *Keynote presentation for Indiana Teachers' Leadership Development Program.*

Ottenbreit-Leftwich, A.T. (2013, August). Thinking outside the technology: Ways to use Web 2.0 tools in your classroom. *Keynote presentation for Monroe County Consolidated School Corporation.*

Ottenbreit-Leftwich, A.T. (2013, April). What's the best way to use technology in your classroom? *Keynote presentation for Indiana Teachers' Leadership Development Program.*

Ottenbreit-Leftwich, A.T. (2012, August). The changing culture of education and technology. *Keynote presentation for Monroe County Consolidated School Corporation.*

Ottenbreit-Leftwich, A.T. (2012, June). Web 2.0 and social media for the K-12 classroom. Keynote presentation for Monroe County Consolidated School Corporation's Teacher Leadership Development Program.

Ottenbreit-Leftwich, A.T. (2012, April). Professional development ideas for technology integration in your district. *Keynote presentation for Indiana Teachers' Leadership Development Program.*

Ottenbreit-Leftwich, A.T. (2011, April). Making technology work for you in the classroom: How to use technology to increase your efficiency and effectiveness. *Keynote presentation for Indiana Teachers' Leadership Development Program.*

Ottenbreit-Leftwich, A.T. (2010, January). 50 ways to use technology in your classroom tomorrow. *Keynote presentation for Indiana Teachers' Leadership Development Program.*

International and National Conference Presentations

Liao, Y., **Ottenbreit-Leftwich, A**., & Glazewski, K. (2020, April). Coaching for supporting teacher technology integration in elementary classrooms: A multiple-case study [Roundtable session]. *AERA Annual Meeting, San Francisco, CA* (Conference canceled).

Zhu, M., **Leftwich, A.,** & Bonk, C. (2020, April). Integration of pedagogy, space, and technology for computer-supported collaborative learning in active learning classrooms [Paper session]. *AERA Annual Meeting, San Francisco, CA* (Conference canceled).

Kwon, K., **Ottenbreit-Leftwich, A.,** Brush, T., & Jeon, M. (2020, April). Effects of problem-based learning curriculum for computer science education in an elementary school [Paper session]. *AERA Annual Meeting, San Francisco, CA* (Conference canceled).

Ottenbreit-Leftwich, A., Kwon, K., & Brush, T. (2020, April). Teaching computational thinking with socially relevant problems at the elementary level [Roundtable session]. *AERA Annual Meeting, San Francisco, CA* (Conference canceled).

Ottenbreit-Leftwich, A., & Biggers, M. (2020, April). Progress and challenges in K-12 computer science education: Evidence from four states [Roundtable session]. *AERA Annual Meeting, San Francisco, CA* (Conference canceled).

Ottenbreit-Leftwich, A., Dunton, S., Stephenson, C., Garvin, M., & Warner, J. (2020, March). The landscape of broadening participation in computing, using state and national datasets to advocate for equity in computer science education [BoF session cancelled]. *SIGCSE Annual Meeting, Portland, OR*.

Kwon, K., **Ottenbreit-Leftwich, A.**, Brush, T., Jeon, M., Zhu, M., & Gok, F. (2019, November). Exploring 6th-grade students' CT concepts and practices. *Paper presented at the Association for Educational Communications and Technology, Las Vegas, NV.*

Ottenbreit-Leftwich, A., Brush, T., Kwon, K., Karlin, M., Jeon, M., Jantaraweragul, K., Abramenka-Lachheb, V., Nadir, H., Guo, M., Zhu, M., Alghamdi, K., Yan, Y., Gates, L., Gok, F., Estell, D., Roberts, M., Dalkilic, M. (2019, November). Inspiring the next generation of learners: using socially relevant computer science (cs) problem-based learning curriculum at the 6th grade level. *Paper presented at the Association for Educational Communications and Technology, Las Vegas, NV.*

Brush, T., **Ottenbreit-Leftwich, A.,** Kwon, K., & Karlin, M. (2019, March). Implementing socially relevant problem-based computer science curriculum at the elementary level: Students' computer science knowledge and teachers' implementation needs. *Paper presented at Society for Information Technology & Teacher Education International Conference 2019, Las Vegas, NV.*

Peterfreund, A., Yongpradit, P., Zarch, R., **Ottenbreit-Leftwich, A.T.,** & Garvin, M. (2018, October). Why metrics matter in broadening participation in computing. *Presentation at Expanding Computer Education Pathways Summit, Detroit, MI.*

Guo, M., Ding, A., Karlin, M., Liao, Y., Lu, Y., & **Ottenbreit-Leftwich, A.T.** (2018, October). Implementation of a research-based professional development technology coaching model in an elementary school. *Paper presented at the Association for Educational Communications and Technology, Kansas City, MO.*

Jung, J., Glazewski, K., & **Ottenbreit-Leftwich, A.T.** (2018, October). Developing a Scale for Preservice Teacher Considerations in Technological Pedagogical Reasoning. *Paper presented at the Association for Educational Communications and Technology, Kansas City, MO.*

Ottenbreit-Leftwich, A.T., Liao, Y., & Karlin, M. (2018, June). Best research-based practices for #EdTech PD: A summary and workshop. *Paper presented at the International Society for Technology in Education, Chicago, IL.*

Ottenbreit-Leftwich, A.T. (2018, June). ISTE's New Online Professional Learning for the Digital Age: Computational thinking. *Paper presented at the International Society for Technology in Education, Chicago, IL.*

Guo, M., & **Ottenbreit-Leftwich, A.T.** (2018, June). Understand pre-service teachers' technology integration through a design lens. *Paper presented at the International Society for Technology in Education, Chicago, IL.*

Ottenbreit-Leftwich, A.T., & Yadav, A. (2018, April). Models for teacher preparation in computer science. *Paper presented at American Educational Research Association, New York, NY.*

Ding, A.C., **Leftwich, A. T.,** Lu, Y., Xu, S., Glazewski, K. D. (2017). EFL teachers' pedagogical beliefs and practices with regards to using technology. *Paper presented at American Educational Research Association, New York, NY.*

Lu, Y., **Ottenbreit-Leftwich, A.,** & Glazewski, K. (2017) A beginning elementary teacher's technology integration practice in a technology-rich school. Roundtable paper presented at the Association for Educational Communications and Technology International Convention, Las Vegas, NV.

Liao, Y., **Leftwich, A.T.,** & Hitchcock, J.H. (2017). Coaching in Teacher Professional Development for Technology Integration: Examining Effects on Teaching Practices and Teachers' Perceptions. *Paper presented at the Association for Educational Communications and Technology International Convention, Las Vegas, NV.*

Leftwich, A. T., & Ertmer, P. (2017). Teacher Dispositions and Instructional Communications Technology (ICT) Practices: Knowledge Gaps and Opportunities for Future Research. *Paper presented at the Association for Educational Communications and Technology International Convention, Las Vegas, NV.*

Lu, Y., **Ottenbreit-Leftwich, A.,** & Glazewski, K. (2016). Sink or swim: An elementary teacher's development in a technology-rich school. *Paper presented at the International Society for Technology in Education, Denver, CO.*

Lu., Y., Ding, A., **Ottenbreit-Leftwich, A.**, Glazewski, K. (2016). Exemplary early childhood teachers' instructional practices in the 1:1 iPad classroom. *Paper presented at the International Society for Technology in Education, Denver, CO.*

Karlin, M., Liao, Y., **Ottenbreit-Leftwich, A.** (2016). Designing technology-related professional learning. *Paper presented at the International Society for Technology in Education, Denver, CO.*

Liao, Y., **Ottenbreit-Leftwich, A.,** Karlin, M., Brush, T., & Glazewski, K. (2016). Supporting change in teacher technology integration: Examining shifts of teachers' professional development. *Paper presented at the International Society for Technology in Education, Denver, CO.*

Ottenbreit-Leftwich, A., Liao, Y., & Sadik, O. (2016). Evolution of teacher technology knowledge, beliefs and practices: Preservice to inservice. *Paper presented at the International Society for Technology in Education, Denver, CO.*

Lu, Y., **Ottenbreit-Leftwich, A.,** Ding, A., & Glazewski, K. (2016). Early Childhood Teachers' Developmentally Appropriate Practices in the 1:1 iPad Classroom. *Paper presented at the Association for Educational Communications and Technology International Convention, Las Vegas, NV.*

Jia, X., & **Ottenbreit-Leftwich, A.** (2016). Benefits and project management issues for service-learning in technology integration preparation: Lesson learned from instructors. *Paper presented at the Association for Educational Communications and Technology International Convention, Las Vegas, NV.*

Karlin, M., Ozogul, G., & **Ottenbreit-Leftwich, A.** (2016). In Search of a Computer Science Teacher: Expectations of Today's Job Market. *Roundtable paper presented at the Association for Educational Communications and Technology International Convention, Las Vegas, NV.*

Lu, Y., **Ottenbreit-Leftwich, A.,** & Glazewski, K. (2016) A Beginning Elementary Teacher's Technology Integration Practice in a Technology-Rich School. *Roundtable paper presented at the Association for Educational Communications and Technology International Convention, Las Vegas, NV.*

Liao, Y., & **Ottenbreit-Leftwich, A.** (2016). Examining and supporting late technology-adopting teachers' technology integration through professional development. *Roundtable paper presented at the Association for Educational Communications and Technology International Convention, Las Vegas, NV.*

Brush, T., Glazewski, K., **Ottenbreit-Leftwich, A.,** Callison, M., & Shin, S. (2015). Cultivating university-school partnerships to support research and practice: The Jacobs Educator program.

Panel presented at the Association for Educational Communications and Technology International Convention, Indianapolis, IN.

Jia, X., & **Ottenbreit-Leftwich, A.** (2015). Design judgments in redesigning a service-learning project in a standalone educational technology course. *Paper presented at the Association for Educational Communications and Technology International Convention, Indianapolis, IN.*

Ding, A., & **Ottenbreit-Leftwich, A.** (2015). Language teachers' pedagogical beliefs behind their technology integration practices and visions. *Paper presented at the Association for Educational Communications and Technology International Convention, Indianapolis, IN.*

Liao, Y., **Ottenbreit-Leftwich, A.**, Glazewski, K.,Brush, T, & Karlin, M. (2015). Supporting change in teacher practice: Examining teachers professional development for technology integration. *Poster presented at the Association for Educational Communications and Technology International Convention, Indianapolis, IN.*

Ottenbreit-Leftwich, A., Liao, Y., & Sadik, O. (2015). Longitudinal study of teachers' technology integration knowledge, beliefs, and intention/practices evolution: Preservice to induction. *Paper presented at the Association for Educational Communications and Technology International Convention, Indianapolis, IN.*

Lu, Y., Ding, A., **Ottenbreit-Leftwich A.,** & Glazewski K. (2015). Early childhood teachers instructional practices and perceptions in 1:1 iPad classrooms. *Paper presented at the 2015 Association for Educational Communication and Technology (AECT) Conference, Indianapolis, IN.*

Jung, J., Alangari, H., Brown, O., Edelberg, T., Hogaboam, P., Jia, X., Liao, Y., Lu, Y., Ozdemir, O., Glazewski, K., & **Ottenbreit-Leftwich, A**. (2015). Sources of preservice teachers' instructional decision making. *Poster presented at the American Educational Research Association Conference, Chicago, IL.*

Lu, Y., Ding, A., Glazewski K., & **Ottenbreit-Leftwich A.** (2015). Early childhood 1:1 technology initiative: An investigation of teacher practices and perceptions. *Paper presented at the 2015 American Educational Research Association (AERA) annual meeting, Chicago, IL.*

Sadik, O., Dagli, C., Ergulec, F., & **Ottenbreit-Leftwich, A.** (2014, October). Technology integration in charter schools: Examining the alignment between teachers' and principal beliefs and concerns. *Poster presented at the Association for Educational Communications and Technology International Convention, Jacksonville, FL.*

Gyabak, K., **Ottenbreit-Leftwich, A.**, & Ray, J. (2014, October). Teacher as a designer: Deconstructing the design process in K-12 online learning. *Roundtable paper presented at the*

Association for Educational Communications and Technology International Convention, Jacksonville, FL.

Jia, X., Jung, J., **Ottenbreit-Leftwich, A.**, Liao, Y., & Lu, Y. (2014, October). Learning technology integration with the community: Lessons learned from a service-learning project. *Paper presented at the Association for Educational Communications and Technology International Convention, Jacksonville, FL.*

Jung, J., Liao, Y., Brown, O., Edelberg, T., Hogaboam, P., Jia, X., Lu,Y., Ozdemir, O., Glazewski, K., **Ottenbreit-Leftwich, A**. (2014, October). Exploring How Pre-Service Teachers Make Instructional Technology Decisions. *Poster presented at the Association for Educational Communications and Technology International Convention, Jacksonville, FL.*

Jung, J., Jia, X., Lu, Y., Liao, Y., & **Ottenbreit-Leftwich, A**. (2014, October). An Exploratory Comparison Between Hypothetical and Real Case-Based Learning Experiences of Pre-Service Teachers. Poster presented at the Association for Educational Communications and Technology International Convention, Jacksonville, FL.

Kopcha, T., & **Ottenbreit-Leftwich, A.** (2014, July). Improving preservice TPACK through case-based learning. Paper presented at International Society for Technology in Education Conference, Atlanta, GA.

Ottenbreit-Leftwich, A., Sadik, O., & Liao, Y. (2014, July). Evolution of teachers' technology knowledge, beliefs, and integration. Roundtable paper presented at International Society for Technology in Education Conference, Atlanta, GA.

Ottenbreit-Leftwich, A., & Kopcha, T. (2014, April). Applying design-based research to improve case-based learning in technology integration coursework. Paper presented at the American Educational Research Association Conference, Philadelphia, PA.

Kopcha, T., **Ottenbreit-Leftwich, A.**, Jung, J., & Baser, D. (2014, April). Convergent and discriminant validity among two technological, pedagogical, and content knowledge (TPACK) measures. Paper presented at the American Educational Research Association Conference, Philadelphia, PA.

Kopcha, T., Buxton, C., Wilson, B., Klein, J., **Ottenbreit-Leftwich, A.,** & Reeves, T. (2014, April). Questions and Solutions to Issues with Validating and Improving Instructional Theory and Practice in Design-Based Research. Symposium paper presented at the American Educational Research Association Conference, Philadelphia, PA.

Sabir, N. & **Ottenbreit-Leftwich, A**. (2014, March). Expanding the classroom with educational technology: Case study of a Cuban polytechnic high school. *Paper presented at the 58th Annual Conference of the Comparative and International Education Society, Toronto, Canada.*

Sadik, O., **Ottenbreit-Leftwich, A**., & Liao, Y. (2013, October). Investigating Tech-savvy Pre-service Teachers' Technology Integration Knowledge, Beliefs and Intentions. *Paper presented at the Association for Educational Communications and Technology International Convention, Anaheim, CA.*

Sadik, O., Celik, S., **Ottenbreit-Leftwich, A**. (2013, October). Preparing Future Teachers for The Movement to Increase Opportunities and Technology Project Goals. *Paper presented at the Association for Educational Communications and Technology International Convention, Anaheim, CA.*

Hoey, B., Aslan, S., Zachmeier, A., Sadik, O., Glazewski, K., **Ottenbreit-Leftwich, A.**, Brush, T. (2013, October). Technology Integration Concerns: Expanding the Dialogue Between Pre-Service Teachers and Exemplary Technology-Using In-Service Teachers. *Paper presented at the Association for Educational Communications and Technology International Convention, Anaheim, CA.*

Roman, T., **Ottenbreit-Leftwich, A.,** & Abaci, S. (2013, October). Preservice Teachers Speak from Experience: An Update on Technology Preparation within Teacher Education Programs. *Paper presented at the Association for Educational Communications and Technology International Convention, Anaheim, CA.*

Brush, T., Glazewski, K., **Ottenbreit-Leftwich, A**., Shin, S., Jung, J., Suhkyung, S., Saye, J., Kohlmeier, J., Howell, J. (2013, October). The PBL-Tech Project: Web 2.0 Tools to Support Problem-Based Learning in Science and Social Studies. Design and Development Showcase. *Poster presented at the Association for Educational Communications and Technology International Convention, Anaheim, CA.*

Lu, Y., Liao, Y., **Ottenbreit-Leftwich, A**., & Glazewski, K. (2013, October). Examining Preservice Teachers' Reasoning Process in Analyzing Technology Integration Cases. *Poster presented at the Association for Educational Communications and Technology International Convention, Anaheim, CA.*

Kopcha, T., **Ottenbreit-Leftwich, A.,** Jung, J. (2013, April). Assessing Preservice Teachers' Technology Integration Abilities Using TPACK: Comparing Three Measures. *Paper presented at a roundtable at the American Educational Research Association, San Francisco, CA.*

Ertmer, P., & **Ottenbreit-Leftwich, A.** (2012, October). Espoused and enacted beliefs: Examining the relationship between teacher beliefs and technology integration practices. *Paper presented*

as Featured Research at Association for Educational Communications and Technology International Convention, Louisville, KY.

Lee, D., Jung, J., Shin, S., **Ottenbreit-Leftwich, A.**, & Glazewski, K. (2012 October). Building a sustainable and fulfilling online community for K-12 teachers. *Paper presented at a roundtable at the Association for Educational Communications and Technology International Convention, Louisville, KY.*

Jia, X., Jung, J., Huh, Y., Min, M., Shin, S., **Ottenbreit-Leftwich, A.**, Glazewski, K., & Brush, T. (2012, October). Breaking barriers for technology integration in K-12 classrooms: Success stories from exemplary in-service teachers. *Paper presented at Association for Educational Communications and Technology International Convention, Louisville, KY.*

Roman, T., & **Ottenbreit-Leftwich, A.** (2012, April). Comparison of parent and teacher perceptions of desired website features and elementary teacher website practice. *Poster presented at American Educational Research Association, Vancouver, CA.*

Ottenbreit-Leftwich, A., & Brush, T. (2012, April). The PBL-TECH Project: Using web 2.0 tools and resources to support problem-based curricular innovations in preservice teacher education. *Paper presented at American Educational Research Association, Vancouver, CA.*

Ottenbreit-Leftwich, A., & Brush, T. (2011, March). Comparing how teachers use technology and teacher education programs prepare teachers to use technology. *Paper presented at Society for Information Technology & Teacher Education International Conference, Nashville, TN.*

Brush, T., **Ottenbreit-Leftwich, A.,** Saye, J., Glazewski, K., McCormick, T. (2011, March). PBL-TECH: Using web 2.0 tools and resources to support problem-based curricular innovations in pre-service teacher education. *Paper presented at Society for Information Technology & Teacher Education International Conference, Nashville, TN.*

Ottenbreit-Leftwich, A., Millard, M., & van Leusen, P. (2011, March). Instructional technical and pedagogical design: Teaching future teachers educational technology. *Paper presented at Society for Information Technology & Teacher Education International Conference, Nashville, TN.*

Ottenbreit-Leftwich, A.T., & Brush, T.A. (2010, October). Comparison of technology topics and experiences: A national study of teacher education programs and K-12 teachers. *Paper presented at Association for Educational Communications and Technology International Convention, Anaheim, CA.*

Roman, T.A., **Ottenbreit-Leftwich, A.T.,** Brush, T.A., & TeachTech (2010, October). How elementary and secondary teachers use technology differently: A national study of accomplished technology-using teachers. *Paper presented at Association for Educational Communications and Technology International Convention, Anaheim, CA.*

Strycker, J., Brush, T.A., & **Ottenbreit-Leftwich**. (2010, October). Comparing computer self-efficacy and technology requirements between traditional and alternative tep students at four institutions. *Paper presented at Association for Educational Communications and Technology International Convention, Anaheim, CA.*

Ottenbreit-Leftwich, A.T., Brush, T.A., & TeachTech (2010, April). A national study comparing how teacher education programs prepare teachers to use technology and how teachers use technology. *Paper presented at American Education Research Association Conference, Denver, CO.*

Ottenbreit-Leftwich, A.T., Strycker, J., van Leusen, P., Easterling, C. & Brush, T.A. (2010, April). How teachers use technology differently in varied subject areas: A national study. *Paper presented at American Education Research Association Conference, Denver, CO.*

Roman, T.A., **Ottenbreit-Leftwich, A.T.,** Abaci, S., Shin, S., & Brush, T.A. (2009, October). How teachers use technology differently in elementary and secondary education: A national study. *Paper presented at Association for Educational Communications and Technology International Convention, Louisville, KY.*

Roman, T.A., & **Ottenbreit-Leftwich, A.T.** (2009, October). How accomplished elementary teachers use technology: A national study. *Paper presented at Association for Educational Communications and Technology International Convention, Louisville, KY.*

vanLeusen, P., **Ottenbreit-Leftwich, A.T.,** & Brush, T.A. (2009, October). How accomplished technology teachers use technology in English language arts in secondary education: A national study. *Paper presented at Association for Educational Communications and Technology International Convention, Louisville, KY.*

Ottenbreit-Leftwich, A.T., Brush, T.A., & Plucker, J.P. (2009, April). National technology experiences in teacher preparation: A national study of teacher education programs and teachers. *Paper presented at American Education Research Association Conference, San Diego, CA.*

Ottenbreit-Leftwich, A.T., Roman, T., Stryker, J., vanLeusen, P. (2009, April). How teachers use technology differently in varied subject areas and grade levels: A national study. *Paper presented at Society for Information Technology in Education Conference, Charleston, SC.*

Ottenbreit-Leftwich, A. T., Newby, T. J., Simons, K. D., & Ertmer, P. A. (2008, April). Approaches in preservice technology integration courses. *Paper presented at American Educational Research Association, New York, NY*.

Ottenbreit-Leftwich, A. T., Glazewski, K. D., Newby, T. J., Ertmer, P. A., & Richardson, J. R. (2008, March). Developmental processes of expert technology-using teachers. *Paper presented at Society for International Technology and Teacher Education, Las Vegas, NV.*

Wang, Y., & **Ottenbreit-Leftwich, A. T.** (2008, March). Problem-based learning in teacher technology preparation. *Paper presented at Society for International Technology and Teacher Education, Las Vegas, NV.*

Ottenbreit-Leftwich, A. T., Glazewski, K. D., Newby, T. J., Ertmer, P. A., & Richardson, J. C. (2007, October). What are the visions, strategies, and developmental processes of expert technology-using teachers. *Paper presented at Association for Educational Communications and Technology International Convention, Anaheim, CA*.

Ertmer, P.A., Glazewski, K. D., **Ottenbreit-Leftwich, A.T,** & Gotas, Y. (2007, October). Teachers' strategies for effectively implementing PBL in the middle school classroom. *Paper presented at Association for Educational Communications and Technology International Convention, Anaheim, CA.*

Ottenbreit-Leftwich, A. T., Newby, T. J., & Simons, K. D. (2007, April). Perspectives on technology as an agent of change. *Paper presented at American Educational Research Association, Chicago, IL.*

Ottenbreit-Leftwich, A. T., Simons, K. D. & Ertmer, P. A. (2006, October). Student strategies for succeeding in PBL environments: Experiences and perceptions of low self-regulating students. *Paper presented at Association for Educational Communications and Technology International Convention, Dallas, TX.*

Ottenbreit-Leftwich, A. T., Simons, K. D. & Ertmer, P. A. (2006, April). Student strategies for succeeding in PBL environments: Experiences and perceptions of low self-regulating students. *Paper presented at American Education Research Association Convention, San Francisco, CA.*

York, C. S., **Ottenbreit-Leftwich, A. T.**, & Ertmer, P. A. (2005, October). Exemplary technology use: Teachers' perceptions of critical factors. *Paper presented at Association for Educational Communications and Technology International Convention, Orlando, FL.*

Ottenbreit-Leftwich, A. T., York, C. S., Richardson, J. C., & Newby, T. J. (2005, October). Preservice teachers: Development of perceptions and skills pertaining to technology

integration. *Paper presented at Association for Educational Communications and Technology International Convention, Orlando, FL.*

Simons, K. D., Ertmer, P. E., Haas, T., VanHorn, M., Lehman, J., **Ottenbreit-Leftwich, A. T.**, & The TKB Team (2005, October). The relationship between self-directedness and student success in technology-enhanced PBL units. *Paper presented at Association for Educational Communications and Technology International Convention, Orlando, FL.*

Ottenbreit-Leftwich, A.T., York, C.S., & Ertmer, P.A. (2005, March). Cultivating exemplary technology integration teachers: What does it take? *Michigan Association of Computer Users in Learning, Grand Rapids, MI.*

York, C.S., **Ottenbreit-Leftwich, A.T.**, Richardson, J. C., & Newby, T. J. (2005, March). Exploring options for delivery in a large technology integration lecture course for preservice teachers. *Paper presented at Society for Information Technology & Teacher Education International Convention, Phoenix, AZ.*

Simons, K.D., Ertmer, P.A., Belland, B., Blackman, J., Lee, M., **Ottenbreit-Leftwich, A.T.** & Park, S.H. (March, 2005). Middle school students in technology-enhanced problem-based learning: Experiences of high and low self-directed students. *Paper presented at Society for Information Technology & Teacher Education International Convention, Phoenix, AZ.*

Ottenbreit, A., Simons, K.D., & Poole, H. (October, 2004). Effects of computer troubleshooting on elementary students' problem-solving skills. *Roundtable presentation at the Association for Educational Communications and Technology International Convention, Chicago, IL.*

Richardson, J., Ertmer, P.A., Aagard, H., **Ottenbreit, A.T.**, & Yang, D. (October, 2004). Factors that influence teachers' implementation of digital age literacy skills and strategies. *Paper presentation at the Mid-Western Educational Research Association Convention: Columbus, OH.*

Ottenbreit, A., Poole, H., and Leneway, R. (March, 2004). Enhancing elementary curriculum with computer troubleshooting problems. *Paper presentation at the Michigan Association of Computer Users in Learning Convention: Grand Rapids, MI.*

Morgenstern, P., Hewitt, P., McCraight-Wertz, J., and **Ottenbreit, A.** (March, 2003). A job well done! MCOATT: Recognition for outstanding achievement in teaching with technology. *Panel presentation at the Michigan Association of Computer Users in Learning Convention, Detroit, MI.*

Service

University Service

Indiana University

Chair, Learning and Teaching with Technology Committee (2012-2013; 2019-current)
Member, Office of Collaborative Academic Programs, Masters of Educational Technology for Learning Committee (2017-current)
Member, Search Committee for UITS Director of Learning Technologies (2016-2017)
Chair, 3rd year review, Kyungbin Kwon (2017)
Chair, IST Merit and Awards Committee (2016-2017; 2018-2019)
Member, Indiana University Childcare Coalition (2014-2019)
Chair, Teacher Education Committee (2013-2014, 2015-2017)
Interim-Chair, Teacher Education Committee (2010)
Member, Teacher Education Committee (2009-2010, 2011-2013, 2017-2019)
Member, Learning and Teaching with Technology Committee (2010-2014)
Chair, IST Computer Education Search Committee (2012-2013)
Member, IST Search Committee (2010-2011)
Member, IST Curriculum Committee (2010 - 2013)
Member, Bloomington Faculty Council Student Academic Appointee Affairs Committee (2009 – 2010)
Member, Technology Task Force for the School of Education (2008 – 2009)
Supervisor and Coordinator, Technology Teaching Lab (2007-current)
Chair, IST Undergraduate Teacher Technology Committee (2010 – current)
Member, Instructional Systems Technology Undergraduate Teacher Technology Committee (2007 – 2010)
Member, School of Education Elementary Education Council (2007–2016)
Member, School of Education Long Range Planning Committee (2007 – 2008)
Chair, Department Awards Committee (2007 – 2010)
Program coordinator, CEL (computer educator license) Program (2008 – current)
Member, University Educational Opportunity Fellowship Selection Committee (2008)
Member, Learning Sciences Search Committees (2007-2008)

Organization Service

American Educational Research Association

- *Member and Proposal reviewer*, Instructional Technology SIG | Problem-Based Learning SIG | Technology as an Agent for Change SIG (2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2015, 2019, 2020)

Association for Educational Communications and Technology (AECT)
- *Member,* Presidential Nominating Committee (2017-2018)
- *Past-President,* Teacher Education Division (2013-2014)
- *President,* Teacher Education Division (2012-2013)
- *President-Elect,* Teacher Education Division (2011-2012)
- *Proposal reviewer*, Teacher Education Division | School, Media, and Technology Division (2005-current)
- *Co-organizer*, Podcasting Committee (2006)

Computer Science Teachers Association (CSTA)
- CSTA – School of Education Working Group (2020 – current)

Journal of Technology and Teacher Education (JTATE)
- *Special Issue Guest Editor,* Journal of Technology and Teacher Education (2018)

International Society for Technology in Education (ISTE)
- *Associate Journal Editor,* Journal of Research on Technology in Education (2016-2017)
- *Chair,* Technology in Action Awards for Teacher Education Network (2015-2018)
- *Chair,* Conference Committee - Research (2015-2018)
- *Member,* International Society of Technology in Education, Working Group for Computer Science Educator Standards revision (2017-2018)

State K-12 Service
- *Co-Lead,* EPP CS Meeting, IN Department of Education, CSforIN (2020)
- *Member,* STEM + CS License Addition Committee, Indiana Department of Education (2019-2020)
- *Co-Lead,* Indiana ECEP team (2016-current)
- *Co-Lead & Co-Founder,* CSforIN (2017-current)
- *Chair,* Planning Indiana CS Summit (2018, June)
- *Committee Member,* Middle School CS Committee, IN Department of Education (2018)
- *Curriculum Development,* Elementary School CS Materials, IN Department of Education (2018)
- *Co-Lead,* MCCSC STEM+C Committee (2018-current)

Teacher In-Services
- *Instructor,* Computer science workshop, Frankton-Lapel (2020)
- *Instructor,* Computer science workshop, Grandview Elementary (2020)
- *Instructor,* Computer science workshop, Sheridan Elementary (2020)

- *Instructor,* Computer science workshop, Evansville Vanderburgh School Corporation (2019)
- *Instructor,* Computer science workshop, JCSC (2019)
- *Instructor,* Computer science workshop, Randolph (2019)
- *Instructor,* Computer science workshop, Ball State (2019)
- *Instructor,* Computer science workshop, WestGate@Crane (2019)
- *Instructor,* Computer science workshop, HSE Adminisitration (2019)
- *Instructor,* Computer science workshop, Hamilton Southeastern High School (2019)
- *Instructor,* SCRIPTS Workshop, Indianapolis (2018)
- *Instructor,* SCRIPTS Workshop, Westgate (2018, 2019)
- *Instructor,* Multiple computer science workshops, MCCSC (2018, 2019)
- *Instructor,* Computer science workshop, RBBSC (2018)
- *Instructor,* Computer science workshop, Hamilton Southeastern (2018)
- *Instructor,* Computer science workshop, Mt. Vernon (2018, July)
- *Instructor,* Computer science workshop, Martinsville (2018, June)
- *Instructor,* Technology integration workshop, ROI (2018)
- *Instructor,* Technology integration workshops, MCCSC (2014, 2015, 2017)
- *Instructor,* Project-based learning with technology, Attica School Corporation (2011)
- *Instructor*, Staff In-Services, Livonia, Dearborn, and Gibraltar School Districts (2002)

Professional Affiliations

- AERA - American Educational Research Association, (2005-Current)
  AERA Memberships: Instructional Technology (2005-Current); K-Teaching and Teacher Education (2005 – Current); Technology as an Agent of Change for Teaching and Learning (2007 – Current)
- AECT - Association for Educational Communications and Technology, (2004-2018)
  AECT Memberships: Teacher Education; Research & Theory, (2004-2018)
- ICE – Indiana Computer Educators, (2004 – Current)
- ISTE – International Society for Technology in Education (2008 – 2019)
  ISTE Membership: Teacher Education (2008 – 2019)
- ACM – Association of Computing Machinery (2018 – current)
- ECEP – Expanding Computer Education Pathways (2016 – current)

Teaching

Indiana University

Graduate Courses

F500 - Technology for Teaching
R503 – Instructional Media (online)
R511 – Instructional Systems Technology Foundations (online)
R541 - Introduction to Production and Development II (online)
R685 – Topical Seminar: Teacher Technology Adoption and Open Educational Resources (online)
R695 – IST Inquiry Research Seminar
R711 – Readings in Instructional Technology (online)
R795 – Dissertation Proposal Preparation (face-to-face & online)
V594 – Business (MBA) Digital and Social Media

Undergraduate Courses

W200 – Computers and Education (Supervise 100-400 students per semester) (face-to-face & online)
W210 – Survey of Computers in Education
W220 – Computer Hardware in Education
W301 – Integrating Technology into Teaching
W310 – Computer-Based Methods
F401 – Topical Exploration in Education
W410 – Practicum in Computer-Based Education (Student Teaching) (online)

Purdue University

Graduate Courses

EDCI 572 – Instructional Design (Teaching Assistant)
EDCI 560 – Educational Technology for Teaching and Learning (Co-Instructor)
GT2C – Graduate Teaching with Technology Certificate (Co-Instructor)

Undergraduate Courses

EDCI 270 – Introduction to Educational Technology
EDCI 270 – Introduction to Educational Technology (online)
EDCI 271 – Classroom Applications of Educational Technology

Western Michigan University

Undergraduate Courses

EDT 347 – Technology for Elementary Education

Student PhD/EdD Dissertations

Karlin, M. (2019). [Chair]. Strategies for recruiting and retaining female students in secondary computer science.

Seitz, K. (2019). [Member]. Navigating 1:1 personalized technology initiatives in Indiana K-12 public schools: Technology directors' perspectives on technology usage policies in rural school districts.

Leutchmann, A. (2019). [Member]. New teacher induction: Perspectives from participants of a new teacher mentoring program.

Liao, Y. (2018). [Co-chair]. Coaching in teacher professional development for technology integration: Examining teacher practices and perceptions.

Barnette, J. (2018). [Member]. Instructor presence in online education: An analysis of student perceptions and performance.

Sadik, O. (2017). [Co-chair]. What do secondary computer science teachers need? Examining curriculum, pedagogy, and contextual support.

Lu, Y. (2016). [Co-chair]. A beginning elementary teacher's technology integration practices.

Uzan, E. (2017). [Member]. Secondary mathematics pre-service teachers' processes of selection and integration of technology.

Hassouna, R. (2017). [Member]. Portraying the lived mentoring experiences of school of education faculty members in public research universities on their paths towards tenure: A phenomenological study.

van Leusen, P. (2013). [Director]. Interpersonal consulting skills among instructional technology consultants at an institution of higher education in the Midwest: A multiple case study.

Chang, J. (2013). [Member]. The effect of agent-based lectures on student learning and conceptual change in an online inquiry-based learning environment.

Aslan, S. (2012). [Member]. Investigating "the coolest school in America": A study of a learner-centered school and educational technology in the information age.

Strycker, J. (2011). [Member]. A comparison of technology experiences included in alternative and traditional teacher education programs.

Kim, N. (2009). [Member]. Scaffolding critical thinking in wikibook creation as a learning task.

TROY P. BYLER

(H) 812-332-1677   4461 East Streacher Road, Bloomington, IN 47408   tbyler@indiana.edu

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Profile

Extensive teaching experience and pedagogical knowledge; expertise in creating and maintaining secondary and post-secondary programs; proven presentation and teacher training experience; respected communicator and leader

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Recent Academic Employment

Indiana University, Bloomington

Director, Advance College Project, Office of the Vice Provost for Undergraduate Education   2020 to present
- Directs and maintains quality control of all ACP activities.
- Advance the program and promote standards for concurrent enrollment programs at state and national levels.
- Provide direction for, and implement strategies toward, new partnership development and program expansion, inclusive of assessing growth opportunities, emerging trends and needs, state and national partnership opportunities, and developing partnership frameworks and agreements.

Senior Lecturer and Outreach Coordinator, Germanic Studies   2010 to 2019
- Department Director of Undergraduate Studies (2019 appointment)
- Teach primarily undergraduate language courses
- Work with Language Coordinator to develop and maintain course curriculum and articulation
- Create and promote advocacy programs for German language learning in Indiana
- Host and arrange campus visits for potential students

German Faculty Liaison and Coordinator, Advance College Project   2004 to 2019
- Train teachers to incorporate course syllabi, materials and pedagogical approaches
- Maintain communication with high school programs through site visits and feedback
- Offer continued support and training through annual Review Days and professional development opportunities

Director of German Instructor Summer Program (GISP)   2016 to 2019
- Create and implement annual professional development programs for German high school instructors
- Coordinate IUB faculty and staff to support weeklong graduate course for accreditation opportunity
- Co-teach content and distribute advocacy materials to teacher-participant cohort

Director of Graz Summer Program, Overseas Studies   2016, 2018, 2019
- Promote overseas program to undergraduate students
- Lead logistic, budgetary, and extracurriculars for entire program
- Teach cultural course and lead excursions within Austria

Co-Director for Institute for Curriculum and Campus Internationalization, Center for Study of Global Change
          2010 to 2015
- Design and implement weeklong professional development program for post-secondary faculty and staff
- Coordinate all programmatic and logistical details
- Establish lines of communication between all shareholders and direct all staff meetings

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Administrative Highlights

Positions

- Departmental Advancement Representative – liaison for College advancement and stewardship efforts (2016 to 2019)
- American Association for Teachers of German Indiana Chapter Testing Chair (2013 to 2019)
- Voting Officer, Indiana Foreign Language Teachers Association (2010 to 2019)
- Advisory Board Member, Indiana University Honors Program for Foreign Languages (2009 to 2019)

Committees

- GenEd Curriculum Review Committee – World Languages and Cultures committee member (2017 to 2019)

- Germanic Studies Curriculum and Advisory Committee (2016 to 2019)
- College Strategic Plan Subcommittee: Outreach, Public Engagement, and Advancement (2016-2017)
- College Committee on Undergraduate Education, CUE (2012-2015)
- College 21st Century Undergraduate Task Force (2014-2015)
- Bloomington Faculty Council Educational Policy Committee (2015-2016)

Teaching Highlights

Selected courses taught

- German G100, G150, G200, G250 – Includes all courses and materials currently offered through ACP
- German G300, G330, G400 – Intermediate and upper-level language learning courses
- German G361: Contemporary Austria – Cultural course taught in Graz, Austria
- German G418: German Film and Popular Culture – Advanced undergraduate content course
- German G625: Cinematic Representations of German Literary Texts – New graduate course that I designed primarily for German ACP instructors working towards accreditation, and department's first on-line graduate offering

Teacher Training

- ACP German orientation instructor (2004 to 2019)
- Co-facilitator for Germanic Studies new associate instructor orientation (2010 to 2019)
- Future German teacher independent study advisor (2015 to 2019)
- German Instructor Summer Program Co-teacher (2017, 2018)

Education

M.A.	2001	Italian	Indiana University, Bloomington
M.A.	1999	Germanic Studies	Indiana University, Bloomington
B.A.	1995	Italian, Germanic Studies Minor, West European Studies	Indiana University, Bloomington

Skills and Training

- Microsoft Office and Adobe software
- IU tools: Canvas/SIS/SharePoint/CARMIn/Chrome River/LOR/Digital Measures/IUBox/Zoom/Kultura
- Assessment, Student Learning Outcomes and Curriculum Mapping – led department in College mandated curriculum assessment measures (2014)
- Orientation and curriculum development training for new Directors of Undergraduate Studies
- Goethe Institut Test Administrator – continual retraining for certification to administer German tests based on the Common European Framework of Reference for Languages

Professional Memberships

- National Alliance of Concurrent Enrollment Partnerships (NACEP)

Previous –
- American Association for Teachers of German (AATG)
- American Council on the Teaching of Foreign Languages (ACTFL)
- Indiana Foreign Teachers Association (IFLTA)
- Modern Language Association (MLA)

Honors and Grants

- Department of Germanic Studies Professor of the Year Award (2018 – selected by graduate students)
- IU Trustees Teacher Award (2008, 2016)
- AATG Indiana Teacher of the Year College Level (2013)
- Promotion from Lecturer (2006-2010) to Senior Lecturer (2010)
- IU College Curriculum Grants – course redesign, online development, adaptive and online placement test (2002, 2004, 2012, 2014, 2015)
- Max Kade Institute Grants – create and maintain annual German Theater Project for High Schools (2013-2019)
- ACP Tuition Funds – for current German ACP instructors course work towards accreditation

Alice(Mengyuan) Zhao

11131 Blackstone Court
Carmel, Indiana 46032
812-606-7186
zhaomeng@iu.edu

RESEARCH INTERESTS

Experienced Ed-tech R&D lead and instructional designer with a demonstrated history of working with various types of learning organizations in the United States and globally. Skilled in Educational Technology, Instructional Design, User Experience Design, Educational Evaluations, and eLearning. Proficient and collaborative professional with a Master's degree focused in Instructional Systems Technology from Indiana University Bloomington. Currently pursuing Ed.D in the same field with a research focus on technology facilitated social learning.

EDUCATION

Doctor of Education in Instructional Systems Technology,
Indiana University-Bloomington. 2015-present, expect to graduate in 2022

Master of Science in Instructional Systems Technology,
Indiana University-Bloomington. 2010-2012

Bachelor of Arts in language Education,
Beijing Normal University. 2004-2008

PROFESSIONAL EXPERIENCE

Associate Director of Research and Development

IUPUI CyberLab/CourseNetworking LLC, Indianapolis, Indiana. Nov 2015-present

- Lead an 8-people software design and development team. In the past four years, our team has developed a wide range of products/features on thecn.com: CN Post social discussion tools, badge and certificate engine, CN ePortfolio, Google Drive integration and assignments, course payment gateway, CN Premium Account, CN mobile responsive website, self-paced Pathway LMS course, etc. As of today, the CN platform has near 300,000 users from over 160 countries.
  - Analyze user needs and competitor products on the market
  - Work with UX designers on prototype design and write design documents
  - Manage software development timeline
  - Oversee software testing and release
- Design and deliver pedagogical training and provide instructional design consultation to licensed institutions.
- Create user training and support materials: product demonstration and tutorial videos (such as https://youtu.be/wzP4NYq7s1k), 100+ help articles on support.thecn.com, and free courses (such public course Intro to CN ePortfolio thecn.com/1150756)
- Supervise student interns and graduate research fellows working on graphic/UX design, website accessibility, software security, quality assurance and testing, mobile app development, social media and marketing, and applied research.
- Coordinate and support research projects at the lab: grant applications, user surveys, data analysis, and conference presentations and publications.

Project Coordinator and Research Associate

IUPUI CyberLab/CourseNetworking LLC, Indianapolis, Indiana. Jan 2013-Nov 2015

- Delivered product demo to potential clients
- Conducted online training webinars and face-to-face workshops to both instructors and students on how to use thecn.com.

- Provided instructional design and pedagogical support to instructors in delivering online courses, for example, the first two MOOC courses offered at IUPUI: Music for the Listener MOOC (thecn.com/mooc100), Gaza 2050 A Visioning Exercise (thecn.com/mooc101)
- Organized client and user meetings to give CN development updates, share product implementation best practices, and receive feedback
- Built and maintain the lab website cyberlab.iupui.edu
- Designed and delivered user questionnaires, analyzed data, and created visual presentations of the results

Educational Evaluation Specialist
Rockman et al., Bloomington, Indiana. May 2012—Dec 2012
- Conducted literature review relevant to evaluation projects.
- Designed evaluation instruments such as questionnaires and interview questions.
- Collected and analyzed data in various learning environments using both qualitative and quantitative methods.
- Explored using video as a means of data presentation. Created two videos to document K-12 extra-curriculum programs.
- Compared different survey platforms and proposed a new purchasing plan to the team.

5th Grade Teacher
Fangxinyuan Elementary School, Beijing, China. Aug 2009--Jul 2010
- Taught 5th-grade language and culture
- Managed a class of 38 fifth graders. The class won the first place at the annual school sports event and achieved the first academic performance ranking among all four 5th-grade classes

Education Book Editor
Hanzhangxingwen Publishing Co., Beijing, China. Nov 2008 -- Jun 2009
- Edited and put two series of educational books onto the market within seven months. One of the series, Ancient Indian and Chinese Math, became best sellers for several consecutive years. It is still being sold on the market: https://item.jd.com/10097568.html

PRESENTATIONS
- Co-presented with Ali Jafari and John Ittelson (Oct 2020), *Discussion on the Next-Generation of Learning Technology for Learning Effectiveness in the 'New Normal' Era*, 2020 Assessment Institute, Indianapolis
- Co-presented with Ian McIntosh (Oct 2020), *Make Virtual Exchange and Online Global Learning Happen with Innovative Learning Technology*, 2020 Assessment Institute, Indianapolis
- Co-presented with Ali Jafari (Oct 2019), *Next Generation of ePortfolios: Global Networking, Competency Assessment, and Artificial Intelligence.* 2019 Assessment Institute, Indianapolis
- Co-presented with Yaoyi Fu (Nov 2016), *Use Global Class Feature to Connect Your Students with the World,* Plater Institute on the Future of Learning: Educating for a Global Community, Indianapolis
- *Add Social Engagement to your Course or Educational Programs by Using the CN (Jul 2015),* Summer Institute on Distance Learning and Instructional Technology 2015, Kansas City
- Poster presentation (Apr 2014), *CyberLab Engages Student Interns in Educational Technology Innovation*, IUPUI Research Day, Indianapolis
- Co-presented with Beth Lewis Samuelson and Sarah Zike (Feb 2014), *Engage Students in Collaborative and Global Learning through CN*, 2014 IUPUI Advance Learning with Technology Symposium, Indianapolis
- Co-presented with Debbie Runshe (Aug 2013), *Social Pedagogies: The Intersection of ePortfolios and Academic Social Networking*, 2013 AAEEBL Conference, Boston

PUBLICATION

- *Cooney, E. M., Freije, E. & Zhao, M. (2020, June 22-26). Using ePortfolios to facilitate transfer student success [Paper presentation]. ASEE's Virtual Conference. https://peer.asee.org/35463*

NAME: Ali Jafari

POSITION TITLE & INSTITUTION: Professor / Director, School of Engineering and Technology, IUPUI

A. PROFESSIONAL PREPARATION
(see **PAPPG Chapter II.C.2.f.(i)(a)**)

INSTITUTION	LOCATION	MAJOR/AREA OF STUDY	DEGREE (if applicable)	YEAR (YYYY)
University of Isfahan	Isfahan, Iran	Business Administration	BS	1977
University of Wisconsin - Stout	Menomonie, Wisconsin, USA	Media Technology	M.S.	1980
Indiana University	Bloomington, Indiana, USA	Telecommunications/Mass Communication	Ph.D.	1987

B. APPOINTMENTS
(see **PAPPG Chapter II.C.2.f.(i)(b)**)

From - To	Position Title, Organization and Location
2002 - Present	Professor, Computer and Information Technology, School of Enginerring and Technology, IUPUI, Indianaplis, Indiana, USA
1995-2001	Associate Professor, Computer and Information Technology, School of Engineering and Technology, IUPUI, Indianaplis, Indiana, USA
1989- 1994	Assistant Professor, Communication Studies, School of Liberal Arts, IUPUI, Indianaplis, Indiana, USA
1986-1988	Design Engineer, Electronic Department, Physical Facilities, Indiana University, Bloomington Indiana, USA

C. PRODUCTS
(see **PAPPG Chapter II.C.2.f.(i)(c)**)
Products Most Closely Related to the Proposed Project

Rumi Intelligent Agent. 2015- present. Initiated the research and development of an intelligent software agent called Rumi at the IUPUI CyberLab. Rumi is the first AI-base personal digital assistant designed to be used inside of learning environment system. Rumi offers personal services to individual students and faculty with their learning and teaching needs using AI and Machine learning architecture. Rumi Beta was released on October 2010 . www.theRumi.com.

CourseNetworking (CN) Learning Environment, 2011-Present. Initiated the research, development and commercialization of a next generation of enterprise software system to offer services for Learning Management Systems, ePortfolio and academic networking. With seed funding capital received from Indiana University the CourseNetworking LLC company was founded in 2011. As of Novemember 2020, the CN has more than 2 million users from 160+ countries. (www.theCN.com)

ANGEL Learning, 1999-2009. I researched and developed the ANGEL Learning Learning Management System (LMS) at the IUPUI CyberLab and with seed capital received from Indiana University I co-founded the ANGEL Learning Inc in July 2000. ANGEL Learning LMS served hundreds of educational institutions for their online learning needs . In 2009, the ANGEL Learning was acquired by Blackboard Inc. for 100 million dollars.

Oncours Learning Management System, 1997- 1999. I initiated the Oncourse Learning Management System at the

Other Significant Products, Whether or Not Related to the Proposed Project

See my wikipedia page : https://en.wikipedia.org/wiki/Ali_Jafari

D. SYNERGISTIC ACTIVITIES
(see **PAPPG Chapter II.C.2.f.(i)(d)**)

As discussed above, and further more, seven of my research and development projects have translated into commercial or open source products:
CourseNetworking, ANGEL Learning, Epsilon Environment, IMDS, MIPSit, Technology Access Governor (TAG). Rumi, the newest AI-based intelligent agent is still a research project at the IUPUI CyberLab not yet translated into a commercial or open source product.