

# **Elizabeth Brott Beese, PhD**

Curriculum Vitae  
Lecturer, Learning Design & Technology  
Department of Curriculum and Instruction  
Purdue University

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## **RESEARCH INTERESTS AND ACADEMIC PROFILE**

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Elizabeth Brott Beese is a researcher and a lecturer at Purdue University. Her research is concerned with the design of systems to plan and manage personalized programs of study for all students.

## **EDUCATIONAL BACKGROUND**

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2018 | Ph.D. in Learning, Design and Technology  
Purdue University

*Dissertation: How do they do it? Describing nontraditional designs for creating and carrying out personalized plans for learning in three high schools*

2012 | M.A. in Philosophy of Education  
The Ohio State University

*Thesis: A vision of the curriculum as student self-creation: A philosophy and a system to manage, record, and guide the process*

2011 | B.A. in History, minors in Philosophy and Classics  
Case Western Reserve University

## **SCHOLARSHIPS, FELLOWSHIPS, AWARDS, AND HONORS**

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2016 | Dean's Doctoral Scholarship | \$2500  
Purdue University

2016 | Frank D. DeBruicker Graduate Award in Educational Technology | \$1000  
Purdue University

2016 | Learning Design and Technology graduate student travel grant | \$300  
Purdue University

2012 | Purdue Doctoral Fellowship | *Full tuition coverage plus \$18,000 stipend for four years*

## **PRESENTATIONS AND PUBLICATIONS**

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### **Peer-reviewed journal articles**

**Beese, E. B.** (2019). A process perspective on research and design issues in educational personalization. *Theory and Research in Education*, 17(3), 253–279.  
<https://doi.org/10.1177/1477878519893963>

**Beese, E.B.** & Watson, S.L. (2016). Development of learner self-direction over the course of a home education. *The International Journal of Self-Directed Learning*, 12(2).

### **Works in edited volumes**

Newby, T.J., Wright, C., Besser, E.D., & **Beese, E.B.** (2016). Passport to creating and issuing digital instructional badges. In D. Ifenthaler, N. Bellin-Mularski, & D. Mah (Eds.), *Foundations of Digital Badges and Micro-Credentials: Demonstrating and Recognizing Knowledge and Competencies* (pp. 179-202). Switzerland: Springer International Publishing.

### **Panels organized**

Aslan, S., Gibson, D., Reigeluth, C.M., & Watson, W.R. (2017). How should we study “systems” in education? **Moderated by E.B. Beese** and J.M. Fowlin (chairs). Panel discussion conducted at the meeting of the Association for Educational Communications and Technology in Jacksonville, FL.

### **Invited panelist**

Mortimore, C., **Beese, E.B.**, Harris, P., Karminski, K. Strycker, J., & Sorenson Irvine, C.K. (2016). Leading personalized and problem based learning in systems: Joint STC and TED perspectives. Moderated by B.R. Sockman (chair). Panel discussion conducted at the meeting of the Association for Educational Communications and Technology in Las Vegas, NV.

### **Requested internal papers**

**Beese, E.B.** (2016). An analysis of low student sense of ownership for TST program competencies: With suggested design solutions. Prepared by request for the TST program faculty.

### **Conference presentations**

**Beese, E.B.** (2017). How do they do it? Describing work systems for planning and managing profoundly personalized learning in three innovative high schools. Presentation at the meeting of the Association for Educational Communications and Technology in Jacksonville, FL.

**Beese, E.B., & Watson, S.L. (2016).** Personalized learning in a homeschool setting: A scaled-down “new paradigm” education. Presentation at the meeting of the Association for Educational Communications and Technology in Las Vegas, NV.

Watson, W., **Beese, E.B.**, Mueller, C.M. & Watson, S.L. (2016). A review of the design and implementation of digital badges at a university – instructor and student perceptions. Roundtable at the meeting of the Association for Educational Communications and Technology in Las Vegas, NV.

**Beese, E.B. (2015).** Toward a peri-instructional design tradition in education. Presentation at the meeting of the Association for Educational Communications and Technology in Indianapolis, IN.

**Beese, E.B., Besser, E.D., & Koehler, A.A. (2015).** Guiding preservice teachers’ critical thinking about effective technology integration: Synthesizing a list of critical questions from the literature. Roundtable at the meeting of the Association for Educational Communications and Technology in Indianapolis, IN.

Newby, T.J., Besser, E.D., & **Beese, E.B., & Wright, C. (2015).** Passport to creating and issuing digital badges in Teacher Education. TED Workshop at the meeting of the Association for Educational Communications and Technology in Indianapolis, IN.

**Beese, E.B. (2013).** A system to support the creation and pursuit of self-set student learning goals. Roundtable presentation at the meeting of the Association for Educational Communications and Technology in Anaheim, CA.

## **PROFESSIONAL ORGANIZATION INVOLVEMENT**

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2018 | Board member, Systemic Change Division of the Association for Educational Communications and Technology

2012-present | Association for Educational Communications and Technology, member, Systemic Change Division

## **TEACHING**

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### **Graduate level**

Spring 2019, 2020 (two sessions) | Instructor, EDCI 590/600: Demonstrating Professional Competencies in LDT (online)

Evaluated and provided feedback on students’ instructional design portfolio artifacts. Fostered a constructive environment for peer review.

Fall 2019 | Instructor, EDCI 672: Advanced Practices in Learning Systems Design (online)

Facilitated weekly instructional design case analysis discussions, and evaluated and provided feedback on students' individual case analyses.

Fall 2018 | Co-instructor, EDCI 672: Advanced Practices in Learning Systems Design (online)

Shared responsibility with course lead for facilitating weekly instructional design case analysis discussions, and for evaluating and providing feedback on students' individual case analyses.

2013-2016 (four sessions) | Teaching assistant, EDCI 560: Educational technology for teaching and learning

Led groups of mostly in-service teachers in an intensive 4-week project-based course on educational technology.

### **Undergraduate level**

2013-2016 (seven sessions) | Teaching assistant, EDCI 270: Introduction to educational technology and computing

Led hands-on, project-based labs in educational technology for preservice teachers.

2014, 2015 (two sessions) | Freshman learning community mentor for TEACH! Secondary, a learning community for teacher education students interested in teaching high school

Organized and led meaningful education-related events for preservice teachers.

### **EDUCATIONAL DESIGN AND DEVELOPMENT**

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2019 | Project lead for creation of reliable reviewer guidance for pass-fail professional competency badges

Initiated and secured funding for a project to improve reliability and validity of evaluators' decisions to pass or fail student submissions to a badge-based online portfolio system. Secured data on previous reviewer decisions and comments. Used analysis of this data to generate and then close -- through discussion with faculty -- open questions regarding acceptability of various perceived submission 'faults.'

2016 | Curator of master list of classic readings list for Purdue PhD program in Learning Design and Technology

At faculty request, led an analysis of recommended core reading lists in PhD programs in Learning Design and Technology. Systematically organized lists of classic and foundational readings in a range of subjects.

2016 | Personalized learning consultant and coordinator for homeschool family

Conducted learner analysis and made curricular recommendations for a 4<sup>th</sup> grade student. Recruited math and science tutors. Coordinated tutoring teams' efforts through leading regular in-person planning meetings throughout the year.

2014 | Project lead for improvement of digital badges for undergraduate course

Initiated, and secured funding for, a digital badge improvement project to incorporate student feedback on a pilot badge-based course. Hired and managed efforts of four undergraduate assistants in evaluating and improving materials.

2014 | Developer of camp activities for EXCITE Camp at Purdue

Adapted a series of digital badges into a unit on classroom technology integration, for a one-week teacher education program recruitment camp serving diverse area high school students.

2012 | Adaptor of face-to-face graduate course to a digital badge-based learning management platform

Converted a traditional graduate course to a competency-based course housed on online digital badge platform, with built-in achievement levels and free-choice options.

## **OTHER RESEARCH EXPERIENCE**

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2016 | International project on experts' definitions of the field "learning design"  
Supervisors: Jennifer Richardson, U.S. Lead; Dana Ruggiero and Grainne Conole, U.K. Leads

Recruited and interviewed participants. Independently conducted grounded theory analysis of one among many research questions.

2016 | Project on student and faculty experiences with digital badges  
Supervisor: Bill Watson

Developed survey for distribution to students and interview questions for staff and faculty.

2016 | Literature review for chapter on personalized learning in “green book” series  
Supervisor: Bill Watson

Gathered literature and definitions for an instructional-design theory chapter on “personalized learning” for book *Instructional-Design Theories and Models*, Vol. IV, ed. C.M. Reigeluth, B.J. Beatty, and R.D. Myers.