

# CURRICULUM VITAE

University of Idaho

**NAME:** Tonia A. Dousay

**DATE:** 08.27.2020

**RANK OR TITLE:** Associate Professor

**DEPARTMENT:** Curriculum & Instruction

**OFFICE LOCATION AND CAMPUS ZIP:** ED 311, MS 3082

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**EMAIL:** [tonia@uidaho.edu](mailto:tonia@uidaho.edu)

**WEB:** <http://learninginterest.com/>

**DATE OF FIRST EMPLOYMENT AT UI:** August 2017

**DATE OF TENURE:** August 2019

**DATE OF PRESENT RANK OR TITLE:** August 2019

## EDUCATION BEYOND HIGH SCHOOL

### Degrees

Ph.D., 2013, Learning, Design, & Technology, University of Georgia, Athens, GA

M.S., 2000, Agricultural Education, Texas A&M University, College Station, TX

B.S., 1999, Agricultural Science, Texas A&M University, College Station, TX

### Certificates and Licenses

Google for Education Certified Trainer; 2018

Google Certified Trainer Skills; 2017

Apple Teacher; 2017

Google Certified Educator Level 1, Level 2; 2016

Google for Education Certified Innovator; 2014

Texas Educator Certificate, Vocational Agriculture Production (Grades 6-12); 1999

## EXPERIENCE

### Teaching, Extension and Research Appointments:

Associate Professor of Learning Sciences; University of Idaho; Department of Curriculum & Instruction;  
Moscow, ID: 2019 – Present

Assistant Professor of Learning Sciences; University of Idaho; Department of Curriculum & Instruction;  
Moscow, ID: 2017 – 2019

Adjunct Instructor; Abilene Christian University; School of Educational Leadership; Dallas, TX; Summer  
2017, 2018, 2020

Assistant Professor of Learning, Design, & Technology; University of Wyoming; School of Counseling,  
Leadership, Advocacy, and Design; Laramie, WY: 2013 – 2017

Adjunct Instructor; James Madison University; Learning, Technology & Leadership Education Department;  
Harrisonburg, VA: 2012 – 2013

Instructor; Blinn College; Applied Business Program; Bryan, TX: 2009 – 2009

### Academic Administrative Appointments:

Associate Dean of Accreditation and Inclusion, University of Idaho College of Education, Health & Human  
Sciences; Moscow, ID 2020 – Present

### Non-Academic Employment including Armed Forces

eLearning Manager, Texas A&M Engineering Extension Service; College Station, TX: 2006 – 2009

Instructional Design Specialist, Texas A&M Engineering Extension Service; Engineering, Utilities, & Public  
Works Training Institute; College Station, TX: 2001 – 2006

**Consulting**

Instructional Design Consultant, MoWerks Learning; Athens, GA: 2010 – 2013

**TEACHING ACCOMPLISHMENTS:****Areas of Specialization:** Learning Sciences, STEM/STEAM Education, Technology Integration, Emerging Technology, Curriculum and Instruction**Courses Taught**University of Idaho

- EDCI 201 Contexts of Learning (Spring 2018, Spring 2020), *F2F; ERT*<sup>1</sup>  
 EDCI 301 Learning, Development, & Assessment (Summer 2018, Summer 2019, Summer 2020),  
*Online*  
 EDCI 329 Elementary Science Methods (Spring 2020), *F2F; ERT*<sup>1</sup>  
 EDCI 433 Secondary Science Methods (Fall 2017, Fall 2018, Fall 2020), *Hybrid*  
 EDCI 443 Secondary Science Methods Practicum (Fall 2018, Fall 2019, Fall 2020), *Hybrid/Hyflex*  
 EDCI 404/504 Special Topics: Curriculum Development for Diverse Learners (Spring 2019), *Online*  
 EDCI 404 Special Topics: Google Bootcamp (Summer 2020), *Online*  
 EDCI 404 Special Topics: Science Education Methods (Fall 2019), *Hybrid*  
 EDCI 590 Computer Science Methods (Summer 2019), *Hybrid*  
 EDCI 591 Computer Science Practicum (Summer 2019), *Hybrid*  
 ED 573 Action Research (Spring 2018, Spring 2019), *Hybrid*

Abilene Christian University

- EDUO 678 Instructional Design and Technology (Summer 2017, Summer 2018, Summer 2020),  
*Online*

University of Wyoming

- ITEC 1101 First Year Seminar: Making, Hacking, & Tinkering: Creating in the Modern World (Fall 2016), *F2F*  
 ITEC 1101 First Year Seminar: Taking Control of Your Digital Image (Summer 2016, Summer 2017),  
*Online*  
 ITEC 2360 Teaching with Technology (Fall 2013-Spring 2017), *F2F*  
 ITEC 4340 Integrating Technology in Teaching (Summer 2013, Summer 2016), *Online*  
 ITEC 5120 Media Workshop in Digital Imaging (Summer 2015), *Online*  
 ITEC 5120 Media Workshop in P12 Grant Writing (Summer 2014), *Online*  
 ITEC 5160 Introduction to Instructional Design (Fall 2013), *Online*  
 ITEC 5320 Message Design (Spring 2015, Spring 2016, Spring 2017), *Online*  
 ITEC 5350 Multimedia Development (Spring 2014, Spring 2015, Spring 2016, Spring 2017), *Online*  
 ITEC 5870 Seminar on Message Design (Spring 2014), *Online*  
 PRST 5610 Introduction to Doctoral Studies (Fall 2015, Fall 2016), *Hybrid*

James Madison University

- LTLE 150 Information in Contemporary Society (Spring 2013), *Online*  
 LTLE 370 Instructional Technology (Fall 2012, Spring 2013), *Online*

University of Georgia

- EDIT 9990 Information Design (Spring 2012; Co-Instructor), *Hybrid*  
 EDIT 7550 Managing Instructional Technology Projects (Summer 2012; Co-Instructor), *Online*  
 EDIT 2000 Introduction to Computers for Teachers (Spring 2011), *F2F*

Blinn College

- BMGT 2305 Business Communications (Spring 2009), *F2F*

<sup>1</sup> ERT – Emergency Remote Teaching

**Students Advised**

Undergraduate Students

2019-2020 – 13 students  
2018-2019 – 14 students  
2017-2018 – 1 student  
2016-2017 – 17 students  
2015-2016 – 26 students  
2014-2015 – 17 students  
2013-2014 – 8 students

Graduate Students

Advised to completion of *master's* degree-major professor:

██████████ MEd Curriculum & Instruction, University of Idaho, TBD  
██████████ MEd Curriculum & Instruction, University of Idaho, TBD  
██████████ MEd Curriculum & Instruction, University of Idaho, TBD  
██████████ MEd Curriculum & Instruction, University of Idaho, 2020  
██████████ MEd Curriculum & Instruction, University of Idaho, 2020  
██████████ MEd Curriculum & Instruction, University of Idaho, 2020  
██████████ MS Natural Sciences, University of Wyoming, 2017  
██████████ MS Instructional Technology, University of Wyoming, 2016  
██████████ MS Instructional Technology, University of Wyoming, 2014<sup>2</sup>  
██████████ MS Adult Education, University of Wyoming, 2014  
██████████ MS Instructional Technology, University of Wyoming, 2014<sup>2</sup>  
██████████ MS Instructional Technology, University of Wyoming, 2014

Advised to completion of *doctoral* degree-major professor:

██████████ PhD, Education, University of Idaho, TBD  
██████████ PhD, Education, University of Idaho, 2018  
██████████ PhD Learning, Design, & Technology, University of Wyoming, 2018 (Co-chair)  
██████████ PhD Instructional Technology, University of Wyoming, 2014<sup>2</sup> (Co-chair)

Served on *master's* graduate committee:

██████████ MS Agricultural Education, University of Idaho, TBD  
██████████ MS Integrated Architecture and Design, University of Idaho, 2020\*  
██████████ MEd Curriculum & Instruction, University of Idaho, 2020  
██████████ MEd Curriculum & Instruction, University of Idaho, 2019  
██████████ MA Curriculum & Instruction, University of Wyoming, 2017  
██████████ MS Adult Education, University of Wyoming, 2017  
██████████ MS Adult Education, University of Wyoming, 2017  
██████████ MA Communication, University of Wyoming, 2017  
██████████ MS Adult Education, University of Wyoming, 2017  
██████████ MS Adult Education, University of Wyoming, 2017  
██████████ MS Adult Education, University of Wyoming, 2015

<sup>2</sup> Submitted for publication with student

[REDACTED] MS Adult Education, University of Wyoming, 2015  
 [REDACTED] MS Adult Education, University of Wyoming, 2015  
 [REDACTED] MA Curriculum & Instruction, University of Wyoming, 2015  
 [REDACTED] MA Curriculum & Instruction, University of Wyoming, 2015  
 [REDACTED] MS Natural Sciences, University of Wyoming, 2015  
 [REDACTED] MS Instructional Technology, University of Wyoming, 2014  
 [REDACTED] MS Instructional Technology, University of Wyoming, 2014  
 [REDACTED] MS Instructional Technology, University of Wyoming, 2014

Served on *doctoral* graduate committee:

[REDACTED] PhD Computer Science, University of Idaho, TBD  
 [REDACTED] PhD Education, University of Idaho, TBD  
 [REDACTED] EdD Education, University of Idaho, TBD  
 [REDACTED] PhD Education, University of Idaho, TBD  
 [REDACTED] PhD Education, University of Idaho, TBD  
 [REDACTED] PhD Instructional Technology, Northern Illinois University, TBD<sup>3</sup>  
 [REDACTED] PhD Education, University of Idaho, TBD  
 [REDACTED] PhD Education, University of Idaho, TBD  
 [REDACTED] EdD Educational Technology Leadership, Morehead State University, 2020<sup>3</sup>  
 [REDACTED] PhD Curriculum & Instruction, University of Wyoming, 2019<sup>3</sup>  
 [REDACTED] EdD Literacy, Sam Houston State University, 2019<sup>3</sup>  
 [REDACTED] PhD Curriculum & Instruction, University of Idaho, 2019  
 [REDACTED] EdD Learning, Design, & Technology, University of Wyoming, 2017<sup>3</sup>  
 [REDACTED] EdD Adult Education, University of Wyoming, 2017

### Materials Developed

- Dousay, T. A. (2016). Using Camtasia and segmented videos to foster student autonomy and engagement in an online course. YouTube Tutorials. <https://www.youtube.com/watch?v=rGUAhxpMa8A>
- Dousay, T. A. (2016). *Fun with PiZap*. YouTube Tutorials. <https://www.youtube.com/watch?v=VyfN8VW8kLE>
- Dousay, T. A. (2015). *Using Tweetdeck to follow & participate in an #edchat*. YouTube Tutorials. <https://www.youtube.com/watch?v=3C1fCRikRmk>
- Dousay, T. A. (2014). *How to use University Libraries to find peer-reviewed journal articles*. YouTube Tutorials. <https://www.youtube.com/watch?v=W1cs4uZDCs8>
- Dousay, T. A. (2013). *Turning photo & video grid on and off in iOS7*. YouTube Tutorials. <https://www.youtube.com/watch?v=pbSd1GD6yxY>
- Dousay, T. A. (2012). *Configuring JMU Educ in Dreamweaver CS6*. YouTube Tutorials. <https://www.youtube.com/watch?v=zMvtxYZ5OgA>
- Dousay, T. A. (2012). *Creating a composite in Photoshop CS6*. YouTube Tutorials. <https://www.youtube.com/watch?v=AXfq3ya0Wgg>
- Dousay, T. A. (2012). *Creating a root folder structure*. YouTube Tutorials. <https://www.youtube.com/watch?v=MKQOD8DI0fA>
- Dousay, T. A. (2012). *Laying out a website in Photoshop CS6*. YouTube Tutorials. <https://www.youtube.com/watch?v=fpXwfcydOYE>
- Dousay, T. A. (2012). *Postcards from college*. Collaborative Examples. <https://www.youtube.com/watch?v=q2IzoJksQgQ>
- Dousay, T. A. (2012). *Publishing and uploading video projects*. YouTube Tutorials. <https://www.youtube.com/watch?v=N05PuBiTguo>

<sup>3</sup> Served as an external member for student at another institution based on research expertise

- Dousay, T. A. (2012). *Setting Photoshop CS6 preferences*. YouTube Tutorials.  
[https://www.youtube.com/watch?v=zN4\\_maNK-1I](https://www.youtube.com/watch?v=zN4_maNK-1I)
- Dousay, T. A. (2012). *Slicing an image in Photoshop CS6*. YouTube Tutorials.  
<https://www.youtube.com/watch?v=2A0OOhVWhuM>
- Dousay, T. A. (2012). *Using Dreamweaver CS6 to edit a sliced file*. YouTube Tutorials.  
<https://www.youtube.com/watch?v=Bvl-YIxFSF4>

### Courses Developed

#### University of Idaho

|              |   |
|--------------|---|
| ED 573       | Action Research   |
| ED 6XX       | Doctoral Seminar (in approval process)                  |
| EDCI 433     | Secondary Science Methods                               |
| EDCI 404/504 | ST: Curriculum Development for Diverse Learners         |
| EDCI 404     | ST: Google Bootcamp                                     |
| EDCI 404     | ST: Science Education Methods                           |
| EDCI 499     | DS: Educational Technology Product Evaluation           |
| EDCI 499     | DS: Social Studies Education and Technology Integration |

#### University of Wyoming

|           |  |
|-----------|--|
| ITEC 1101 | First Year Seminar: Making, Hacking, & Tinkering: Creating in the Modern World |
| ITEC 2360 | Teaching with Technology   |
| ITEC 4340 | Integrating Technology in Teaching   |
| ITEC 5120 | Media Workshop in Digital Imaging  |
| ITEC 5120 | Media Workshop in P12 Grant Writing  |
| ITEC 5320 | Message Design   |
| ITEC 5350 | Multimedia Development   |
| PRST 5610 | Introduction to Doctoral Studies   |

#### James Madison University

|          |                                     |
|----------|-------------------------------------|
| LTLE 150 | Information in Contemporary Society |
|----------|-------------------------------------|

#### Blinn College

|           |                         |
|-----------|-------------------------|
| BMGT 2305 | Business Communications |
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### Non-credit Classes, Workshops, Demonstrations, Seminars, Invited Lectures, etc.

#### Notes, Plenaries, & Talks

- Dousay, T. A. (2020, August). *Managing chaotic orbits: Enhancing your academic workload with proven project management strategies [Plenary]*. National Astronomy Teaching Summit. Long Beach, CA (Conference canceled)
- Dousay, T. A. (2018, November). *Fostering a culture of innovation [Keynote]*. Wyoming Innovations in Learning Conference. Evanston, WY
- Dousay, T. A. (2018, October). *Curiosity, makerspaces, & innovation [Invited talk]*. Northern Illinois University Graduate Student Colloquium. DeKalb, IL
- Dousay, T. A. (2016, November). *Learn something new every day [Capnote]*. Wyoming Extension Professional Improvement Conference (EPIC). Evanston, WY
- Dousay, T. A. (2008, October). *eLearning development [Plenary]*. Texas Commission on Law Enforcement Officer Standards and Education (TCLEOSE) Training Coordinator's Conference. Corpus Christi, TX

#### K12 Camps/Workshops

- Davis, M. A., Dousay, T. A., & Zhu, Y. (2019, January). *Robotics for elementary students [Interactive demonstration]*. 6th Annual STEM Matters! at the Capitol. Boise, ID
- Dousay, T. A. (2018, May). *Cardboard pinball wizard (4th grade) [Workshop]*. University of Wyoming Library Innovation Center. Laramie, WY

- Dousay, T. A. (2017, June). *Be a bridge architect (6th-8th grade) [Summer camp]*. Knowledge Enrichment for Youth (KEY) Camp. Casper, WY
- Dousay, T. A. (2017, June). *Robot visions (6th-8th grade) [Summer camp]*. Knowledge Enrichment for Youth (KEY) Camp. Casper, WY
- Shepherd, C. E., Smith, S. D., & Dousay, T. A. (2016, June). *Full STEAM Ahead: Painting with programming [Interactive demonstration]*. 2nd Annual National Maker Faire. Washington, DC
- Dousay, T. A. (2016, May). *Painting with programming [Interactive demonstration]*. Women in STEM Conference. Laramie, WY
- Dousay, T. A. (2015, October). *Skulls & [cross]bones with WyoMakers [Interactive demonstration]*. NoCo Mini Maker Faire. Loveland, CO
- Dousay, T. A. (2015, June). *A heritage of making comics [Interactive demonstration]*. 1st Annual National Maker Faire. Washington, DC
- Dousay, T. A., & Smith, S. (2014, November). *Grant Seeking & Writing for P12 Teachers [Workshop]*. Association for Educational Communications & Technology Annual Convention. Jacksonville, FL
- Teacher Professional Development
- Dousay, T. A. (2019, August). *Warming up with add-ons & extensions for Google apps [Public workshop]*. Boundary County School District 101. Bonners Ferry, ID
- Dousay, T. A. (2019, August). *Google Classroom bootcamp [Inservice workshop]*. State of Idaho Career & Technical Education REACH Conference. Boise, ID
- Dousay, T. A. (2019, August). *Google + OER for workforce education [Public workshop]*. State of Idaho Career & Technical Education REACH Conference. Boise, ID
- Dousay, T. A. (2019, August). *Getting started with Google essentials [Public workshop]*. State of Idaho Career & Technical Education REACH Conference. Boise, ID
- Dousay, T. A. (2018, December). *Google fundamentals for certification [Public workshop]*. Idaho Transforming Teaching & Learning Conference. Coeur d'Alene, ID
- Dousay, T. A. (2018, December). *Google Classroom meets OER [Public workshop]*. Idaho Transforming Teaching & Learning Conference. Coeur d'Alene, ID
- Dousay, T. A. (2018, November). *Google fundamentals for certification [Public workshop]*. Idaho Transforming Teaching & Learning Conference. Lewiston, ID
- Dousay, T. A. (2018, November). *Google Classroom meets OER [Public workshop]*. Idaho Transforming Teaching & Learning Conference. Lewiston, ID
- Dousay, T. A. (2018, October). *Google fundamentals for certification [Public workshop]*. Idaho Transforming Teaching & Learning Conference. Twin Falls, ID
- Dousay, T. A. (2018, October). *Google Classroom meets OER [Public workshop]*. Idaho Transforming Teaching & Learning Conference. Twin Falls, ID
- Dousay, T. A. (2018, June). *Integrating Sphero for STEAM learning [Workshop strand]*. Idaho STEM Action Center i-STEM Summer Institute. Nampa, ID
- Dousay, T. A. (2018, February). *Collaborating & curating your way to OER in the classroom [Public workshop]*. UI Doceo Center Open Education Roadshow. Moscow, ID
- Dousay, T. A. (2018, February). *Incorporating the use of OER into Google Classroom [Public workshop]*. UI Doceo Center Open Education Roadshow. Moscow, ID
- Dousay, T. A. (2018, February). *Collaborating & curating your way to OER in the classroom [Public workshop]*. UI Doceo Center Open Education Roadshow. Moscow, ID
- Hall, C. S., & Dousay, T. A. (2018, January). *Implementing artificial intelligence (AI) in the classroom [Inservice workshop]*. Mullan School District #392. Mullan, ID

- Hall, C. S., Dousay, T. A., & Shawon, F. (2017, September). *Osmo & augmented reality (AR) to support elementary STEM learning [Inservice workshop]*. Clearwater Valley Elementary School. Kooskia, ID
- Dousay, T. A. (2017, May). *A beginner's guide to 3D printing in the classroom [Public workshop]*. Wyoming Technology-Engagement-Curriculum Connection (WyTECC) Annual Conference. Green River, WY
- O'Donnell, J., & Dousay, T. A. (2017, May). *Build Your Own PD (BYOPD) [Public workshop]*. Wyoming Technology-Engagement-Curriculum Connection (WyTECC) Annual Conference. Green River, WY
- Dousay, T. A. (2016, June). *Go paperless (relatively) painless [Google Playground]*. International Society for Technology in Education 2016 Conference and Expo. Denver, CO
- Dousay, T. A. (2016, June). *Creating comics with Google Slides & Drawings [Public workshop]*. EdTechTeam Wyoming Summit Featuring Google for Education. Riverton, WY
- Dousay, T. A. (2016, June). *Herdning cats with Google Apps [Public workshop]*. EdTechTeam Wyoming Summit Featuring Google for Education. Riverton, WY
- Dousay, T. A. (2016, May). *Cardboard arcade: Level up with STEM [Public workshop]*. Wyoming Technology-Engagement-Curriculum Connection (WyTECC) Annual Conference. Green River, WY
- Dousay, T. A. (2016, February). *Technology enhanced active learning strategies [Public workshop]*. 1st Annual Wyoming K16 All Sciences Summit. Casper, WY
- Dousay, T. A. (2015, October). *From the Avengers to Zod: Unmasking comics and multiliteracies in the classroom [Public workshop]*. University of Wyoming Literacy Education Conference. Laramie, WY
- Dousay, T. A., Hamilton, A. J., & Brooks, A. (2015, May). *Brining the maker movement to your classroom [Presentation]*. Google Edu On Air 2015 Conference. <https://educationonair.withgoogle.com/live/2015-may/day2/td005>
- Dousay, T. A., & O'Donnell, J. (2015, May). *Your superhero sidekicks: Google add-ons & extensions [Public workshop]*. Wyoming Technology-Engagement-Curriculum Connection (WyTECC) Annual Conference. Rock Springs, WY
- Faculty/Graduate Student Professional Development
- Dousay, T. A. (2020, August). *Engagement tools & strategies for the virtual and traditional classroom [Invited workshop]*. Casper College Digital Learning Center. Casper, WY (Event canceled)
- Dousay, T. A. (2020, August). *Assessing and evaluating learning outside of the box [Invited workshop]*. Casper College Digital Learning Center. Casper, WY (Event canceled)
- Dousay, T. A. (2020, August). *Going the distance: Getting started with and enhancing online teaching practices [Invited workshop]*. National Astronomy Teaching Summit. Long Beach, CA (Conference canceled)
- Dousay, T. A. (2019, August). *Online practices and pedagogy [Invited workshop]*. Casper College Digital Learning Center. Casper, WY
- Dousay, T. A. (2019, August). *Innovations in education [Invited workshop]*. Casper College Digital Learning Center. Casper, WY
- Hall, C. S., & Dousay, T. A. (2019, April). *Artificial intelligence & emerging technology for the 21st century classroom [Invited lecture]*.
- Dousay, T. A. (2018, March). *Mistaking disenchantment for truth: How do we measure learner engagement? [Webinar]*. Association of Educational Communications and Technology [Learner Engagement SIG]. <https://vimeo.com/album/3316648/video/263342111>

- Krutka, D. G., Gleason, B., Dousay, T. A., Carpenter, J. P., & Greenhalgh, S. P. (2018, February). *Social media in education [Webinar]*. Society for Information Technology & Teacher Education. <https://www.learntechlib.org/view/182352/>
- Dousay, T. A., Walker, B., Cates, W., & Murtaugh, M. C. (2017, November). *Everything you ever wanted to know about the mentoring relationship\* (\*but were afraid to ask) [Workshop]*. Association for Educational Communications & Technology Annual Convention. Jacksonville, FL
- Dousay, T. A. (2017, February). *Assessing learning through backward design [Invited workshop]*. University of Wyoming Ellbogen Center for Teaching and Learning. Laramie, WY
- Dousay, T. A. (2016, October). *Create your own interactive instructional videos with Camtasia & YouTube [Workshop]*. Association for Educational Communications & Technology Annual Convention. Las Vegas, NV
- Dousay, T. A. (2016, September). *Going Google-y [Invited workshop]*. University of Wyoming Ellbogen Center for Teaching and Learning TNT Lunchbox Series. Laramie, WY
- Dousay, T. A. (2015, April). *Using social media in the classroom [Panel]*. University of Wyoming Ellbogen Center for Teaching and Learning. Laramie, WY
- Dousay, T. A. (2015, March). *Ideas for incorporating technology in the classroom [Panel]*. University of Wyoming Ellbogen Center for Teaching and Learning. Laramie, WY
- Dousay, T. A. (2015, April). *Using Camtasia and segmented videos to foster student autonomy and engagement in an online course [Invited workshop]*. University of Wyoming Ellbogen Center for Teaching and Learning. Laramie, WY
- Industry Professional Development**
- Dousay, T. A. (2020, September). *Inclusive virtual workflows and partnerships [Invited virtual presentation]*. Federal Executive Board. Chicago, IL
- Dousay, T. A. (2020, August). *Teaching and creating with technology for public safety [Invited workshop]*. State of Oregon Department of Public Safety Standards and Training. Salem, OR (Event canceled)
- Dousay, T. A. (2020, July). *Inclusive virtual meetings [Invited virtual presentation]*. Federal Executive Board. Chicago, IL
- Maddrell, J., & Dousay, T. A. (2018, May). *Design in the open [Webinar]*. e/Merge Africa. <https://emergeafrica.net/17-may-design-in-the-open/>
- Branch, R. M., & Dousay, T. A. (2017, January). *Survey of instructional design models [Webinar]*. e/Merge Africa. <https://emergeafrica.net/30-january-3-february-survey-of-instructional-design-id-models-seminar/>
- Dousay, T. A. (2016, December). *Teaching & creating with technology [Invited workshop]*. Standard Field Sobriety Test (SFST) Instructor Update/LEAD Impairment Training. Lakewood, CO
- Anderlee, J. S., & Dousay, T. A. (2016, August). *Teaching with technology: Leveraging classroom technology to engage learners [Invited workshop]*. 22nd Annual Training Conference on Drugs, Alcohol and Impaired Driving. Denver, CO
- Branch, R. M., Dousay, T. A., Walker, B., Valentine, K., & Gay, M. (2011, September). *A high fidelity instructional strategy [Workshop]*. Meeting of AoB AcademE of Botswana. Gaborone, Botswana
- Dousay, T. A. (2009, February). *Aligning objectives with engaging activities (eBlooms) [Workshop]*. E-Learning Council and State of Texas DIR Webinar Series. Austin, TX
- Dousay, T. A. (2009, February). *Engaging the online learner [Webinar]*. E-Learning Council and State of Texas DIR E-Learning Forum. Austin, TX
- Dousay, T. A. (2009, February). *eLearning in the 21st century [Webinar]*. E-Learning Council and State of Texas DIR E-Learning Forum. Austin, TX

**Public Outreach**

- Donaldson, A., Dousay, T. A., & Carr-Chellman, A. A. (2020, May). *Women's voices in the field of educational technology panel [Webinar]*. Near East University Societal Research and Development Center. Nicosia, Turkey
- Dousay, T. A. (2020, April). *5 minutes on K-12 online learning with Tonia Dousay [Vodcast special guest]*. Michael Barbour's 5 Minutes On K-12 Online Learning With...  
<https://virtualschooling.wordpress.com/5-minutes-on-k-12-online-learning-with/>
- El-Mallah, S., & Dousay, T. A. (2020, March). *Encouraging faculty adoption of virtual reality tools in engineering education [Podcast special guest]*. Immersive Learning Research Network's "The Versatelist," Episode 85. [https://www.podomatic.com/podcasts/versatelist/episodes/2020-03-08T15\\_45\\_17-07\\_00](https://www.podomatic.com/podcasts/versatelist/episodes/2020-03-08T15_45_17-07_00)
- Dousay, T. A. (2020, January). *Bias, the gender pay gap, and other challenges in education with Tonia Dousay [Podcast special guest]*. SchuBro's Unfiltered, Episode. <https://zero-gravity-media.com/2020/01/12/sbu6-special-guest-dr-tonia-dousay/>
- Dousay, T. A. (2019, January). *Teaching Digital Footprints with Tonia Dousay [Podcast special guest]*. Visions of Education, Episode 103. <https://soundcloud.com/visionsofed/episode-103-teaching-digital-footprints-with-tonia-dousay>
- Dousay, T. A. (2017, October). *Be a maker educator [Concurrent presentation]*. 2017 Global Maker Day.
- Dousay, T. A. (2015, March). *Teaching with robots: Math and science [Invited lecture]*. University of Wyoming SaturdayU. Jackson, WY

**Honors and Awards**

- |      |  |
|------|--|
| 2015 | Information Age Publishers (IAP) - Distance Education Best Practices Award, Association for Educational Communications & Technology (AECT) |
| 2013 | Multimedia Production Graduate Student Immersive Learning Award, Association for Educational Communications & Technology (AECT)            |
| 2013 | Information Age Publishers (IAP) - Distance Education Best Practices Award, Association for Educational Communications & Technology (AECT) |

**SCHOLARSHIP ACCOMPLISHMENTS****Publications, Exhibitions, Performances, Recitals****Refereed/Adjudicated****Journal Articles**

- Carpenter, J. P., Rosenberg, J. M., Dousay, T. A., Romero-Hall, E., Trust, T., Kessler, A., Phillips, M., Morrison, S. A., Fischer, C., & Krutka, D. G. (2020). What should teacher educators know about technology? Perspectives and self-assessments. *Teaching and Teacher Education*, 95.  
<https://doi.org/10.1016/j.tate.2020.103124>
- Barrett, S. F., Dousay, T. A., Kerr, T. J., Schmidt, L., Gellis, B. S., & Ballard, J. (2019). Library and Student Innovation Center: Makerspace! *Computers in Education Journal*, 10(2), 1–12.
- Dousay, T. A., & Weible, J. L. (2019). Build-A-Bug workshop: Designing a learning experience with emerging technology to foster creativity. *TechTrends*, 63(1), 41–52.  
<https://doi.org/10.1007/s11528-018-0364-8>
- Dousay, T. A., & Trujillo, N. P. (2019). An examination of gender and situational interest in multimedia learning environments. *British Journal of Educational Technology*, 50(2), 876–887.  
<https://doi.org/10.1111/bjet.12610>
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### Peer Reviewed/Evaluated

#### Journal Articles/Columns

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- El-Mallah, S., & Dousay, T. A. (2019). Encouraging faculty adoption of virtual reality tools in engineering education. *Issues and Trends in Learning Technologies*, 7(2), 1–11. [https://doi.org/10.2458/azu\\_itet\\_v7i2\\_el-mallah](https://doi.org/10.2458/azu_itet_v7i2_el-mallah)
- Dousay, T. A. (2017). Defining and differentiating the makerspace. *Educational Technology*, 57(2), 69–74. <https://www.jstor.org/stable/44430528>
- Dousay, T. A., & Asino, T. (2017). Situating the conversation on social media, emerging spaces and professional development in the twenty-first century. *TechTrends*, 61(3), 206–207. <https://doi.org/10.1007/s11528-017-0182-4>

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- Book Chapters/Sections**
- Dousay, T. A. (2019). Existing outside of the learning management System. In L. Green (Ed.), *Library technology reports (vol. 55, no. 4), "Librarians as online course designers and instructors"* (pp. 22–26). American Library Association.
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- Dousay, T. A., Igoche, D., & Branch, R. M. (2011). Self-regulated learning as a foundational principle for a successful strategy in teaching educational research methods to doctor of philosophy students. In M. Orey, S. A. Jones, & R. M. Branch (Eds.), *Educational Media and Technology Yearbook* (Vol. 36, Vol. 36, pp. 23–36). Springer International Publishing. [https://doi.org/10.1007/978-1-4614-1305-9\\_3](https://doi.org/10.1007/978-1-4614-1305-9_3)
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**Reference Works**

- Hester-Croff, C., & Dousay, T. A. (2018). Education and the Internet: Elementary and secondary schools. In B. Warf (Ed.), *SAGE encyclopedia of the internet (Vol. 1)* (pp. 299–303). SAGE Publications, Inc. <https://doi.org/10.4135/9781473960367.n89>
- Dousay, T. A. (2015). Digital literacy in elementary and secondary education. In J. M. Spector (Ed.), *SAGE Encyclopedia of Educational Technology* (pp. 219–221). Sage Publications, Inc. <https://doi.org/10.4135/9781483346397.n96>
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**Other:** N/A

**Refereed/Adjudicated (currently scheduled or submitted)**

- Janak, E., & Dousay, T. A. (in press). Ben Henneke and college by radio: Expanding midcentury educational opportunity at the University of Tulsa. *Journal of American Culture*, 43(4), 000–000.
- Houlden, S., Hodson, J., Veletsianos, G., Gosse, C., Hall, N., Lowenthal, P., & Dousay, T. A. (in revisions). The hidden costs of connectivity: Nature and effects of scholars' online harassment. *Learning, Media and Technology*. 14 Aug 2020.
- Gosse, C., Veletsianos, G., Hodson, J., Houlden, S., Dousay, T. A., Lowenthal, P., & Hall, N. (in review). The hidden costs of connectivity: Nature and effects of scholars' online harassment. *Social Media + Society*. 23 July 2020.

**Peer Reviewed/Evaluated (currently scheduled or submitted):**

- Dousay, T. A., & Hall, C. S. (invited manuscript). Support technologies. In L. Cifuentes (Ed.), *A guide to administering distance learning*. Brill Sense. 16 March 2020
- Dousay, T. A. (in review). On being an effective leader. In J. Curry & S. Jackson (Eds.), *The greatest lecture I was never taught*. Springer. 18 Jun 2020

**Professional Meeting Papers, Workshops, Showings, Recitals, Presentations and Other Creative Activities****National/International**

- Rader, E. L., Love, R., Dousay, T. A., Reano, D., Wingerter, N., Cox, K., Forsberg, E., & Blackford, N. (2020, October). *Successes and challenges of using virtual technology to teach geology field camp [Abstract]*. Geological Society of America (GSA) 2020 Annual Meeting.
- Dousay, T. A., Zhao, L., Dixon, R. A., & Carr-Chellman, A. A. (2020, November). *Frustrations in focus: improving faculty online instructional practices [Concurrent session]*. Association for Educational Communications & Technology Annual Convention.
- Dousay, T. A. (2020, November). *Earning your badge: Microcredentials for preservice teachers to demonstrate technology skills [Roundtable]*. Association for Educational Communications & Technology Annual Convention.
- Dousay, T. A. (2020, April). *Makerspaces: A romance for educator preparation program partnerships [Structured poster]* (G. T. Richard & J. Weible (eds.)). American Educational Research Association Annual Meeting. San Francisco, CA (Conference canceled)
- Dousay, T. A. (2020, March). *An integrated map of the ISTE Standards for Educators, Danielson Framework for Teaching, and Interstate Teacher Assessment and Support Consortium (InTASC) Standards [Brief paper]*. Society for Information Technology & Teacher Education Annual Conference. New Orleans, LA [Virtual]
- Harris, C., Dousay, T. A., Hall, C. S., Srinivasan, S., & Srinivasan, R. (2020, March). *Trashbots: Coding with creativity in a middle grades computer science camp [Best practice]*. Society for Information Technology & Teacher Education Annual Conference. New Orleans, LA [Virtual]

- Mittelstaedt, E., & Dousay, T. A. (2019, November). *Swimming with the Pakicetus: A new deep-sea submersible video game that teaches the basics of mid-ocean ridge geology [Poster]*. American Geophysical Union (AGU) Fall Meeting. San Francisco, CA
- Dousay, T. A., Kitchel, A., & Carr-Chellman, A. A. (2019, October). *Electronic Synchronous Multi-Site (e-SyMS) learning: Design & research recommendations [Concurrent session]*. Association for Educational Communications & Technology Annual Convention. Las Vegas, NV
- Maddrell, J., Dousay, T. A., Graves Wolf, L., & Rosenberg, J. R. (2019, October). *Design in the open / Professional learning strategies to build your professional presence [Inspire concurrent]*. Association for Educational Communications & Technology Annual Convention. Las Vegas, NV
- Shawon, F., Zhu, Y., Olsen, S., LaPaglia, S. K., Turner, J., & Dousay, T. A. (2019, October). *Alone in the crowd: Connecting distance learners [Roundtable]*. Association for Educational Communications & Technology Annual Convention. Las Vegas, NV
- Dousay, T. A., & Weible, J. L. (2019, April). *Buggy genetics: Designing a learning experience to foster creativity and science learning in elementary classrooms [Concurrent session]*. American Educational Research Association Annual Meeting. Toronto, ON
- Veletsianos, G., Kimmons, R., Larsen, R., Dousay, T. A., & Lowenthal, P. R. (2019, April). *Public comment sentiment on educational videos: Understanding the effects of presenter gender on YouTube TED talk comment [Concurrent session]*. American Educational Research Association Annual Meeting. Toronto, ON
- Carpenter, J. P., Rosenberg, J. R., Dousay, T. A., Romero-Hall, E., Trust, T., Kessler, A., Phillips, M., Morrison, S., Fischer, C., & Krutka, D. G. (2019, March). *What do teacher educators think of Teacher Education Technology Competencies? [Paper]*. Society for Information Technology & Teacher Education Annual Conference. Las Vegas, NV
- Greenhow, C., Gleason, B., Krutka, D. G., Dousay, T. A., & Carpenter, J. P. (2019, March). *#SocialMediaEd: Perspectives on teaching about and with social media in higher education [Panel]*. Society for Information Technology & Teacher Education Annual Conference. Las Vegas, NV
- Hall, C. S., Mullins, R., Hollingshead, A., & Dousay, T. A. (2019, March). *Boosting communication: Using point of view (POV) video for students with disabilities as a powerful communication piece with parents [Best practice]*. Society for Information Technology & Teacher Education Annual Conference. Las Vegas, NV
- Janak, E. A., & Dousay, T. A. (2019, March). *Emancipation or oppression: Ben Henneke and educational radio at the University of Tulsa [Paper]*. International Society for Educational Biography Annual Conference. San Antonio, TX
- Jin, Y., Cohen, J., Dousay, T. A., Jones, W. M., & Smith, S. (2019, March). *Multiple perspectives on maker education and makerspaces in teacher education [Panel]*. Society for Information Technology & Teacher Education Annual Conference. Las Vegas, NV
- Weible, J. L., & Dousay, T. A. (2019, March). *Assessing creativity in learning environments: Developing an attitudinal scale [Brief paper]*. Society for Information Technology & Teacher Education Annual Conference. Las Vegas, NV
- Smith, K., Burgin, M., Sergent, M., Swanson, R., Weible, J. L., & Dousay, T. A. (2019, March). *Profiling undergraduate research experiences in teacher education [Poster]*. Society for Information Technology & Teacher Education Annual Conference. Las Vegas, NV
- Zhu, Y., Shawon, F., & Dousay, T. A. (2019, March). *Analyzing a Biology lesson plan for TPACK alignment [Poster]*. Society for Information Technology & Teacher Education Annual Conference. Las Vegas, NV
- Dousay, T. A., & Hall, C. S. (2018, October). *"Alexa, how can we use artificial intelligence in classrooms?" [Concurrent session]*. Association for Educational Communications & Technology Annual Convention. Kansas City, MO

- Shawon, F., & Dousay, T. A. (2018, October). *Stone-age design thinking: Lessons learned from an action research project targeting teacher professional development at an innovative school [Concurrent session]*. Association for Educational Communications & Technology Annual Convention. Kansas City, MO
- Tawfik, A. A., Haggerty, K., Brynteson, K., Dousay, T. A., Moskal, S., & DuBoff, B. (2018, October). *The role of the library in supporting inquiry-based learning and Next Generation Science Standards [Panel]*. Association for Educational Communications & Technology Annual Convention. Kansas City, MO
- Dousay, T. A., Asino, T. I., Luo, T., Krutka, D. G., Greenhalgh, S. P., Rodesiler, L., & Walster, D. (2018, March). *Social media & teacher professional development [Panel]*. Society for Information Technology & Teacher Education Annual Conference. Alexandria, VA
- Dousay, T. A., Graves Wolf, L., & Green, L. (2018, March). *Rise of the "Teacher Influencers": Examining the benefits and conundrums [Panel]*. Society for Information Technology & Teacher Education Annual Conference. Alexandria, VA
- Carr, T., Asino, T. I., Dousay, T. A., & Barlow-Zambodla, A. (2017, November). *e-Merge-The powers of networks in advancing professional development of educational technologists: The case of e/merge Africa & AECT [Panel]*. Association for Educational Communications & Technology Annual Convention. Jacksonville, FL
- Weible, J. L., & Dousay, T. A. (2017, November). *Learning genetics using 3Doodler pens [Interactive demonstration]*. Association for Educational Communications & Technology Annual Convention. Jacksonville, FL
- Dousay, T. A., Swierczek, D., Smith, S., & Owsley, E. (2017, March). *Don't fear the snakes: designing a hybrid practical experience for preservice teachers in an afterschool Python programming robotics club [Brief paper]*. Society for Information Technology & Teacher Education Annual Conference. Austin, TX
- Jin, Y., Schmidt-Crawford, D. A., Culver, D., Dousay, T. A., Boyer, D. M., & Akcaoglu, M. (2017, March). *Makerspaces and teacher education [Panel]*. Society for Information Technology & Teacher Education Annual Conference. Austin, TX
- Kopcha, T. J., Brynteson, K., Dousay, T. A., Pitman, E., & Thomas, G. (2016, October). *Making makers: Preparing teachers to engage in the maker movement [Panel]*. Association for Educational Communications & Technology Annual Convention. Las Vegas, NV
- Asino, T. I., Dousay, T. A., Kapptie, J., Hine, K., Haselwood, S., & Baker, A. (2016, October). *Reading between the lines: Where do social media platforms fit in the teacher professional development landscape? [Panel]*. Association for Educational Communications & Technology Annual Convention. Las Vegas, NV
- Dousay, T. A. (2016, August). *Designing for creativity in interdisciplinary learning experiences [Paper]*. Educational Technology World Conference. Bali, ID
- York, C. S., Dousay, T. A., & Sinde, M. (2016, August). *Preparing teachers to use Makerspaces [Concurrent session]*. 4th International Symposium on New Issues in Teacher Education (ISNITE). Savonlinna, FI
- Dousay, T. A., & Hayes, J. (2016, June). *Storytelling & comics: Unlocking digital making superpowers in Social Studies classes [Poster]*. International Society for Technology in Education Conference and Exp. Denver, CO
- Dousay, T. A., & Irick, E. M. (2016, March). *Collaborative design: Where PBL and 21st century skills engage learners [Brief paper]*. Society for Information Technology & Teacher Education Annual Conference. Savannah, GA
- Persichitte, K. A., Dousay, T. A., Hodges, C. B., Schmidt, M., & Kopcha, T. J. (2016, March). *AECT & SITE: Challenges of bridging theory, research, and practice [Panel]*. Society for Information Technology & Teacher Education Annual Conference. Savannah, GA

- Baylen, D., D'Alba, A., Robinson, R., Dousay, T. A., & Draper, D. (2015, November). *Teaching and integrating visual and media literacy for all [Panel]*. Association for Educational Communications & Technology Annual Convention. Indianapolis, IN
- Donaldson, A., Smaldino, S. E., Herring, M., Luetkehans, L. M., Persichitte, K. A., Dousay, T. A., & Mellish, L. C. (2015, November). *Walking in their footsteps (or high heels): AECT women discuss the influence of the women who paved the way [Panel]*. Association for Educational Communications & Technology Annual Convention. Indianapolis, IN
- Dousay, T. A., Anderlee, J. S., Murtaugh, M. C., Kilty, T., & LaVanchy, J. (2015, November). *Using virtual interviews with inservice teachers to positively influence preservice teachers' attitudes towards technology [Concurrent session]*. Association for Educational Communications & Technology Annual Convention. Indianapolis, IN
- Hollett, T., Kalir, R., Weible, J. L., & Dousay, T. A. (2015, November). *Designing for playful learning [Interactive panel]*. Association for Educational Communications & Technology Annual Convention. Indianapolis, IN
- Lee, E., Akcaoglu, M., Dousay, T. A., Boyer, D. M., & Brynteson, K. (2015, November). *Makerspaces in higher education: Design, development, implementation, and research for teacher education and beyond [Panel]*. Association for Educational Communications & Technology Annual Convention. Indianapolis, IN
- Shepherd, C. E., Dousay, T. A., Bolliger, D. U., & Aldosemani, T. I. (2015, November). *Designing third places to support program community and organizational networking in online education programs [Concurrent session]*. Association for Educational Communications & Technology Annual Convention. Indianapolis, IN
- Des Armier, D., & Dousay, T. A. (2014, November). *Students' use of digital storytelling to enhance digital literacy skills: Implications for best practices in postsecondary education [Concurrent session]*. Association for Educational Communications & Technology Annual Convention. Jacksonville, FL
- Miller, C. T., & York, C. S. (2014, November). *Thirty-five years of leadership: A study on the impact of the Strohbehn and Cochran internship*. Association for Educational Communications & Technology Annual Convention. Jacksonville, FL
- Asino, T. I., Malapile, L. J., & Dousay, T. A. (2013, October). *Children as design partners: A case of Namibia, South Africa and US [Roundtable]*. Association for Educational Communications & Technology Annual Convention. Anaheim, CA
- Asino, T. I., Malapile, L. J., & Dousay, T. A. (2013, October). *Children as designers: A case of Namibia, South Africa and US [Concurrent session]*. eLearning Africa 2013. Windhoek, NA
- Dousay, T. A. (2013, October). *From death by PowerPoint to engaging Captivate: Lessons learned when implementing specific design principles [Concurrent session]*. Association for Educational Communications & Technology Annual Convention. Anaheim, CA
- Dousay, T. A. (2013, October). *Measuring the impact of multimedia design on situational interest of learners [Roundtable]*. Association for Educational Communications & Technology Annual Convention. Anaheim, CA
- Branch, R. M., & Dousay, T. A. (2013, September). *Survey of instructional design models [Paper]*. Gaborone International Design Conference. Gaborone, BW
- Dousay, T. A., & Branch, R. M. (2012, October). *Designing multimedia to trigger and maintain situational interest [Concurrent session]*. Association for Educational Communications & Technology Annual Convention. Louisville, KY
- Barreto, D., Dousay, T. A., Park, S. W., Chien, S.-Y., Gay, M., Kim, S. M., Chang, Y., & Branch, R. M. (2012, April). *Exploring active learning as a strategy for teaching research methods in a socio-constructivism environment [Concurrent session]*. American Educational Research Association Annual Meeting. Vancouver, BC
- Dousay, T. A., & Logan, R. (2011, September). *Analyzing & evaluating the phases of ADDIE [Paper]*. Design, Development and Research Conference. Cape Town, SA

- Chien, S.-Y., Dousay, T. A., Park, S. W., Gay, M., Igoche, D., & Branch, R. M. (2010, June). *Text, period spacing, and mobile devices [Paper]*. Association for the Advancement of Computing in Education ED-MEDIA. Toronto, ON
- State/Regional
- Crepeau, J., Maughan, M., Dousay, T. A., & Hall, C. (2020, April). How do we assess design skills across the curriculum? [Virtual presentation]. University of Idaho Active Learning Symposium. Moscow, ID
- Dousay, T. A., & Hall, C. S. (2019, February). Alexa? How can you help me in the classroom? [Concurrent session]. Northwest Council for Computer Education Annual Conference. Seattle, WA
- Hall, C. S., & Dousay, T. A. (2019, February). Low-cost access to AR & VR to support K-12 education [Concurrent session]. Northwest Council for Computer Education Annual Conference. Seattle, WA
- Dousay, T. A. (2018, November). Leveraging technology to innovate undergraduate education: Designing hybrid courses [Concurrent session]. Wyoming Innovations in Learning Conference. Evanston, WY
- Dousay, T. A., & Hall, C. S. (2018, November). Alexa: Your teaching assistant in the classroom [Concurrent session]. Wyoming Innovations in Learning Conference. Evanston, WY
- Dousay, T. A. (2018, April). Using Zoom to support active learning [Virtual presentation]. University of Idaho Active Learning Symposium. Moscow, ID
- Dousay, T. A. (2016, October). Make-what? e-Volution Conference. Evanston, WY
- Shepherd, C. E., Bolliger, D. U., Dousay, T. A., & Persichitte, K. A. (2016, May). Developing a sense community that extends beyond course boundaries [Concurrent session]. WyDEC Distance Education Conference. Casper, WY
- Shepherd, C. E., & Dousay, T. A. (2016, May). Service learning and community partnerships in distance programs [Concurrent session]. WyDEC Distance Education Conference. Casper, WY
- Paratore, J., Dalton, B., Dousay, T. A., Mielke, T. L., Geringer, J., & James, J. (2015, October). Multiple modes of literacy [Panel]. University of Wyoming Literacy Education Conference. Laramie, WY
- Dousay, T. A., Bryant, H. V., & Kilty, T. (2015, September). Virtually powerful: structuring online internships for experiential learning in a graduate program [Concurrent session]. e-Volution Conference. Laramie, WY
- Dousay, T. A., & Mathieson, S. (2015, September). Experiential and service learning in the UW Lab School through faculty partnerships [Roundtable]. e-Volution Conference. Laramie, WY
- Irick, E. M., & Dousay, T. A. (2015, September). Design partnerships: Fabric printing and pattern making between undergraduate and middle grades students [Concurrent session]. e-Volution Conference. Laramie, WY
- Shepherd, C. E., Bolliger, D. U., Dousay, T. A., & Persichitte, K. A. (2015, May). Preparing a new generation of teachers to teach online [Concurrent session]. e-Volution Conference. Rock Springs, WY
- Dousay, T. A. (2014, September). Collaborative tools for multimedia learning & development in online courses [Roundtable session]. e-Volution Conference. Laramie, WY
- Trujillo, N. P., & Dousay, T. A. (2014, March). An examination of gender and situational interest in multimedia learning environments [Poster]. College of Education Research Symposium, University of Wyoming. Laramie, WY
- Dousay, T. A., Orey, M., Burton, J. K., Locke, B. B., Murtaugh, M. C., & Asino, T. I. (2013, February). Graduate students in academia: Should they be seen and not heard?[Roundtable]. Eastern Educational Research Association Annual Conference. Sarasota, FL

- Jensen, L. J., Barreto, D., & Dousay, T. A. (2013, February). GameWerks: Fostering 21st century skills in a video game design apprenticeship [Concurrent session]. Eastern Educational Research Association Annual Conference. Sarasota, FL
- Gay, M., Logan, R., & Dousay, T. A. (2012, February). Aesthetic value of design elements in an educational game [Poster]. Eastern Educational Research Association Annual Conference. Hilton Head, SC
- Jensen, L. J., & Dousay, T. A. (2012, February). GameWerks: Fostering creativity, motivation, and 21st century skills through game design [Symposium]. Eastern Educational Research Association Annual Conference. Hilton Head, SC
- Logan, R., Dousay, T. A., & Gay, M. (2012, February). Crafting a balance between learning and fun in an educational game [Roundtable]. Eastern Educational Research Association Annual Conference. Hilton Head, SC
- Dousay, T. A. (2011, February). Multimedia design of online coursework [Roundtable]. Eastern Educational Research Association Annual Conference. Sarasota, FL
- Dousay, T. A., & Logan, R. (2011, February). Adventures in ADDIE: Lessons from the field [Roundtable]. Eastern Educational Research Association Annual Conference. Sarasota, FL
- Dousay, T. A., Igoche, D., & Branch, R. M. (2010, February). Teaching research methods: Perceptions of current and formal doctoral students [Poster]. Eastern Educational Research Association Annual Conference. Savannah, GA
- Dousay, T. A. (2009, February). eLearning development & instructional design [Roundtable]. State of Texas DIR Inter-Agency Training Expo. Austin, TX
- Dousay, T. A., & Martin, R. (2008, November). From lecture to online: Learner-centered design. [Concurrent session]. Lee College Innovations in Teaching & Learning Technology Conference. Baytown, TX

**Patents:** N/A

### Grants and Contracts Awarded

#### *Funded*

| <b>Year</b> | <b>Grant Title</b>  | <b>Role</b> | <b>PI(s)</b>                   | <b>Funded</b> |
|-------------|---|-------------|--------------------------------|---------------|
| 2020        | Minecraft Field Camp: Teaching field geology with virtual reality in the time of Coronavirus                          | Consultant  | Rader, E. L.                   | \$15,255      |
|             | <i>Source:</i> Bay Area Environmental Research Institute  |             |                                |               |
| 2018        | Near-peer authentic inquiry: Coupling science methods and biological sciences coursework for engaged student learning | Co-PI       | Miller, B. G.<br>Dousay, T. A. | \$5000        |
|             | <i>Source:</i> University of Idaho Office of Undergraduate Research   |             |                                |               |
| 2017        | Robotic recording for instructional reflection  | PI          | Dousay, T. A.                  | \$9928        |
|             | <i>Source:</i> University of Wyoming Central Student Technology Committee   |             |                                |               |

| <b>Year</b> | <b>Grant Title</b>  | <b>Role</b> | <b>PI(s)</b>  | <b>Funded</b> |
|-------------|---|-------------|---------------|---------------|
| 2015        | RAMPED: Robotics, Applied Mathematics, Physics, and Engineering Design<br><br><i>Source:</i> Wyoming Department of Education Math-Science Partnership Grant Program | Consultant  | Burrows, A.   | \$211,355     |
| 2014        | Building a makerspace at the University of Wyoming<br><br><i>Source:</i> Mary Garland Early Career Fellowship, University of Wyoming College of Education           | PI          | Dousay, T. A. | \$25,000      |
| 2014        | Google Glass applications in the classroom<br><br><i>Source:</i> University of Wyoming Outreach Credit Programs TIE Grant Program                                   | PI          | Dousay, T. A. | \$650         |
| 2014        | Content fluency through a visual literacy design activity<br><br><i>Source:</i> University of Wyoming American Heritage Center                                      | PI          | Dousay, T. A. | \$2000        |

***Pending***

| <b>Year</b> | <b>Grant Title</b>   | <b>Role</b> | <b>PI(s)</b>  | <b>Amount</b> |
|-------------|--|-------------|---|---------------|
| 2020        | EvoHealth: A program to improve pathways to STEMM careers in Idaho<br><br><i>Source:</i> National Institutes of Health | Co-PI       | Robison, B. D.<br>Dousay, T. A.<br>Overton, M.<br>Soule, T.<br>Hall, C. | \$1,303,909   |

***Unfunded***

| <b>Year</b> | <b>Grant Title</b>   | <b>Role</b> | <b>PI(s)</b>   | <b>Applied</b> |
|-------------|--|-------------|--|----------------|
| 2020        | Outcropping COVID19: Removing barriers to access by reimagining Geology field learning experiences with mixed realities<br><br><i>Source:</i> Spencer Foundation                 | Co-PI       | Dousay, T. A.<br>Rader, E. L.<br>Love, R.                          | \$50,000       |
| 2019        | Facilitating Learning on Watersheds by Students (FLOWS)<br><br><i>Source:</i> National Science Foundation  | Co-PI       | Buck, C. R.<br>Dousay, T. A.<br>Engels, M.<br>Hall, C.             | \$2,860,155    |
| 2019        | Near-Peer authentic inquiry: Coupling science education methods and biological science coursework for engaged student learning<br><br><i>Source:</i> National Science Foundation | Co-PI       | Miller, B. M.<br>Dousay, T. A.<br>Parent, C. E.<br>Pfeiffer, D. C. | \$299,923      |

| <b>Year</b> | <b>Grant Title</b>  | <b>Role</b> | <b>PI(s)</b>                                | <b>Applied</b> |
|-------------|---|-------------|---|----------------|
| 2019        | CUE Ethics: REAL-CS (Reaching Every Available Learner for Computer Science) | Co-PI       | Buck, C. R.<br>Beeston, J.<br>Dousay, T. A. | \$346,731      |

*Source: National Science Foundation*

### **Honors and Awards**

|      |   |
|------|---|
| 2018 | Culture, Learning and Technology Division 2018 Outstanding Publication Award for a Journal Article, Association for Educational Communications & Technology (AECT), Kansas City, MO |
| 2016 | Gold Paper Award, 2016 Educational Technology World Conference (ETWC), Bali, Indonesia  |
| 2014 | Mary Garland Early Career Fellowship, University of Wyoming College of Education  |
| 2013 | National Science Foundation Early Career Award, Association for Educational Communications & Technology (AECT), Anaheim, CA   |

### **SERVICE**

#### **Major Committee Assignments**

##### National/International-Level

|              |  |
|--------------|--|
| 2019         | Educational Testing Service (ETS) Praxis Earth and Spaces Sciences National Advisory Council (NAC) |
| 2016-2017    | Nation of Makers, Wyoming State Representative   |
| 2015-2016    | AECT Leadership Nominating Committee   |
| 2015-2019    | AECT Awards Committee  |
| 2015-2016    | Google Certified Innovator Program Mentor  |
| 2013-Present | AECT Leadership Development Committee  |

##### Regional-Level

|           |   |
|-----------|---|
| 2017      | State of Wyoming Open Education Resources (OER) Initiative, University Representative |
| 2015-2016 | State of Wyoming Digital Learning Plan, Advisory Panel Member                         |

##### Institution-Level

|              |  |
|--------------|--|
| 2020-Present | University of Idaho President's Online Learning Working Group  |
| 2020         | University of Idaho Department of Curriculum & Instruction Third Year Review Committee Chair   |
| 2018-Present | University of Idaho College of Education, Health, & Human Services Technology Committee Chair  |
| 2017         | University of Wyoming College of Education Advisory Council for Teacher Education Committee Chair                                    |
| 2016         | University of Wyoming 3rd John P. Ellbogen Center for Teaching & Learning Summer Institute Mentor                                    |
| 2015-2016    | University of Wyoming College of Education Technology Committee, Department of Professional Studies Representative & Committee Chair |
| Fall 2015    | University of Wyoming University Studies Program Committee, College of Education Representative                                      |
| 2015-2017    | University of Wyoming College of Engineering Student Innovation Center Planning Committee  |
| 2014-2015    | University of Wyoming College of Education Research Symposium Planning Committee   |
| 2014-2017    | University of Wyoming College of Education Advisory Council for Teacher Education, Department of Professional Studies Representative |

#### **Professional and Scholarly Organizations**

##### Memberships/Leadership

|              |  |
|--------------|--|
| 2019-Present | IEEE Industry Connections-Industry Consortium on Learning Engineering (ICICLE) |
| 2019-Present | American Educational Research Association (AERA)                               |

|              |  |
|--------------|--|
| 2016-Present | Society for Information Technology and Teacher Education (SITE)  |
| 2017-Present | SIG Social Media   |
| 2018-Present | Co-Chair   |
| 2016-Present | SIG Creativity   |
| 2016-Present | SIG Maker  |
| 2013-Present | Professors of Instructional Design and Technology (PIDT)         |
| 2009-Present | Association for Educational Communications and Technology (AECT) |
| 2017-Present | AECT Social Media Administrator                                  |
| 2013-2016    | Leadership Intern Program Coordinator                            |
| 2017-Present | Learner Engagement Division                                      |
| 2009-Present | Division of Distance Learning (DDL)                              |
| 2017-2018    | Past President   |
| 2016-2017    | President  |
| 2015-2016    | President-Elect  |
| 2009-Present | Teacher Education Division                                       |
| 2009-2013    | Graduate Student Assembly (GSA)                                  |
| 2013-2014    | Past-President   |
| 2012-2013    | President  |
| 2011-2012    | President-Elect  |

#### Scholarly Reviewer

|              |   |
|--------------|---|
| 2020-Present | Special Issue Guest Co-Editor, <i>Journal of Applied Instructional Design</i> ; Designing for all: An exploration of universal design for online learning |
| 2019-Present | Journal Reviewer, <i>Journal of Computing in Higher Education</i>   |
| 2018-Present | Journal Reviewer, <i>npj Science of Learning</i>  |
| 2018-2019    | Special Section Guest Editor, <i>International Journal of Designs for Learning</i> ; High-stakes/high-impact distance learning contexts                   |
| 2018-Present | Journal Reviewer, <i>Educational Technology Research &amp; Development (ETR&amp;D)</i>  |
| 2018-Present | University of Idaho Office of Research and Economic Development (ORED) Competitive Proposals Internal Reviewer  |
| 2017-Present | Proposal Reviewer, Society for Information Technology and Teacher Education Annual Conference SIG Creativity / SIG Maker / SIG Social Media               |
| 2017-Present | Journal Reviewer, <i>British Journal of Educational Technology (BJET)</i>   |
| 2017-2019    | Journal Reviewer, <i>Journal of Experiential Education (IJEE)</i>   |
| 2017-Present | Proposal Reviewer, AERA Annual Meeting SIG Design and Technology  |
| 2017-Present | Journal Reviewer, <i>International Journal for the Scholarship of Teaching &amp; Learning (IJ-SoTL)</i>   |
| 2017         | Review Committee, International Conference on Mathematics, Science and Technology Education (Kruger National Park, South Africa)                          |
| 2016-2017    | Special Issue Guest Co-Editor, <i>TechTrends</i> ; Social media & emerging spaces: Professional development in the 21st century                           |
| 2016-Present | Journal Reviewer, <i>International Journal of Designs for Learning (IJDL)</i>   |
| 2015-2016    | Proposal Reviewer, Wyoming Department of Education Trust Fund Grant   |
| 2015-Present | Journal Reviewer, <i>TechTrends</i>   |
| 2013-Present | Proposal Reviewer, AECT International Convention Division of Distance Learning / Teacher Education Division   |
| Fall 2014    | Manuscript Editor, <i>SAGE Open</i>   |

#### Conference/Meeting Planning

|           |  |
|-----------|--|
| 2021      | AECT Annual Convention Co-Planner (Columbus, OH)   |
| 2020      | PIDT Conference Organizer (Sandpoint, ID) [Canceled due to COVID-19]                           |
| 2016      | AECT Division of Distance Learning Annual Convention Planner (Las Vegas, NV)                   |
| 2015      | PIDT Conference Co-Planner (Estes Park, CO)  |
| 2014      | AECT Annual Convention Co-Planner (Jacksonville, FL)   |
| 2014-2016 | University of Wyoming College of Education Research Symposium Planning Committee (Laramie, WY) |
| 2013      | AECT Graduate Student Assembly Annual Convention Planner (Anaheim, CA)                         |
| 2012      | AECT Graduate Student Assembly Annual Convention Co-Planner (Louisville, KY)                   |

**Outreach/Community Service**

|           |   |
|-----------|---|
| 2017-2018 | Board Member, Eureka! Palouse (Moscow, ID)                              |
| 2015-2016 | Co-Moderator & Coordinator, #AECTchat Twitter chat                      |
| 2015-2017 | Guest Moderator, #wyoedchat Twitter chat                                |
| 2014-2017 | Laramie Robotics Club faculty mentor                                    |
| 2014-2017 | Google Educator Group (GEG) – High Plains Chapter Leader                |
| 2015-2019 | Graduate Faculty Scholar, Northern Illinois University                  |
| 2015-2017 | University of Wyoming International Programs Office Digital Consultant  |
| 2014-2015 | Advisory Board Member, ATD/IACET: Instructional Design Competency Study |
| 2013-2015 | Laramie Friendship Families, Host family for international students     |

**Honors and Awards**

|      |  |
|------|--|
| 2017 | Faculty Award for Outstanding Service to the Education Profession, University of Wyoming                                     |
| 2016 | Award for Advocacy, International Society for Technology in Education (ISTE)   |
| 2015 | Presidential Award for Outstanding Service to AECT 2014-2015, Association for Educational Communications & Technology (AECT) |

**MEDIA HIGHLIGHTS****Using Amazon Echo, Google Home to Learn: Skill of the Future or Bad Idea?**

February 4, 2020 — During the 2017-18 school year, Tonia Dousay, an associate professor of education at the University of Idaho's Doceo Center for Innovation + Learning, conducted a study in which she and a colleague used voice assistants and other artificial intelligence tools in classrooms across four Idaho K-12 school districts. She witnessed a wide range of uses, from helping students with learning disabilities develop communication skills to getting students excited about specific research projects.

<https://www.edweek.org/ew/articles/2020/02/05/using-amazon-echo-google-home-to-learn.html>

**Tech Savvy Teachers**

January 30, 2020 — U of I's Tonia Dousay and Cassidy Hall, from the Department of Curriculum and Instruction, are partnering with Google to produce future Idaho teachers ready to effectively use technology in the classroom. As one of four universities currently participating in a pilot program, the project integrates the Google for Education Teacher Center training materials into existing coursework to help future teachers enhance pedagogy, get organized and save time using the core G Suite tools commonly found in K-12 classrooms. <https://www.uidaho.edu/news/news-articles/kudos/2020-spring/013020-toniadousay-cassidyhall>

**Creating kids who code**

August 03, 2019 — UI's annual coding camp introduces children to a valuable skill, allows Idaho teachers to earn a computer science certification. After a week of learning coding skills at the University of Idaho, a cohort of local middle school-aged children celebrated with a final task: cracking a "secret message" from "Russia." For the past week, the young students participated in an annual summer coding camp offered through the UI's Doceo Center in the College of Education, Health and Human Sciences.

[https://dnews.com/local/creating-kids-who-code/article\\_153551fe-d0f1-5393-a8ef-ae9109cf1db4.html](https://dnews.com/local/creating-kids-who-code/article_153551fe-d0f1-5393-a8ef-ae9109cf1db4.html)

**Is Alexa the newest teaching assistant?**

April 03, 2019 — "Alexa, watch the class!" A middle school teacher left the classroom for a few minutes, relying on the Echo Dot they left behind to keep their students in line, Tonia Dousay said. But did it work? Dousay said that it did — even though Echo Dots are not equipped with a camera. Dousay, an assistant professor and researcher for the Doceo center and Doceo Director Cassidy Hall presented for the Martin Renfrew Interdisciplinary Colloquium Tuesday afternoon. The Doceo Center, located on the third floor of the Education building on campus, researches new technologies and how they can be incorporated into the classroom.

<https://www.uiargonaut.com/2019/04/03/is-alexa-the-newest-teaching-assistant>

**University Makerspaces Open Doors to K-12 Schools**

May 2017 – The University of Wyoming's WyoMakers is one of several makerspaces around the United States that are hosted by university colleges of education and invite K-12 teachers and students to use their

facilities for science, technology, engineering, and math (STEM) and design projects. With funding from her two-year Mary Ellbogen Garland Early Career Fellowship, Tonia Dousay, assistant professor of instructional technology, launched WyoMakers to provide equipment, tools, and software to teachers seeking to give students more opportunities for hands-on learning.

<http://static.nsta.org/pdfs/nstareports/nstareports201705.pdf>

#### **UW's Dousay Receives Honors, Opportunities at National Maker Faire**

July 25, 2016 — A trip to Washington, D.C., to represent the University of Wyoming at the 2016 National Maker Faire this summer yielded the expected opportunities to spotlight UW's emerging work in the movement for College of Education faculty member Tonia Dousay, along with a couple of surprising twists -- including an invitation from the White House Office of Science and Technology Policy.

<http://www.uwyo.edu/uw/news/2016/07/uws-dousay-receives-honors,-opportunities-at-national-maker-faire.html>

#### **UW's Dousay Recognized for Advocacy, Collaborations in Education Technology**

May 16, 2016 — University of Wyoming College of Education faculty member Tonia Dousay recently received the International Society for Technology in Education (ISTE) Award for Advocacy.

<http://www.uwyo.edu/uw/news/2016/05/uws-dousay-recognized-for-advocacy,-collaborations-in-education-technology.html>

#### **UW's Dousay Honored by Instructional Technology Organization**

September 21, 2015 — University of Wyoming College of Education faculty member Tonia Dousay's work to enhance the online student learning experience has received national recognition from the Association for Educational Communications and Technology (AECT).

<http://www.uwyo.edu/uw/news/2015/09/uws-dousay-honored-by-instructional-technology-organization.html>

#### **UW's Saturday U Scheduled March 7 in Jackson**

March 2, 2015 — The spring term of Saturday U, the University of Wyoming's free one-day college education program, comes to an end Saturday, March 7, in Jackson.

<http://www.uwyo.edu/uw/news/2015/03/uws-saturday-u-scheduled-march-7-in-jackson.html>

#### **New UW Program Targets Hands-On Learning**

February 10, 2015 — New opportunities to engage students in creative projects drawing on design and problem-solving skills have been opened at the University of Wyoming's College of Education as a result of a new program called WyoMakers.

<http://www.uwyo.edu/uw/news/2015/02/new-uw-program-targets-hands-on-learning.html>

#### **UW's Dousay Chosen to Attend Google Teacher Academy**

October 27, 2014 — University of Wyoming Assistant Professor of Instructional Technology Tonia Dousay joins a select group of educators participating in the next Google Teacher Academy Dec. 2-3 in Austin, Texas.

<http://www.uwyo.edu/uw/news/2014/10/uws-dousay-chosen-to-attend-google-teacher-academy.html>