

Stein E. Brunvand

Curriculum Vitae

The University of Michigan-Dearborn
College of Education, Health, and Human Services
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Dearborn, MI 48126-2638

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1. Education

Ph.D.--- Learning Technologies **May 2005**

University of Michigan, Ann Arbor, MI

Advisor: Barry Fishman

Dissertation Title: Investigating the Impact of the Presentation of Scaffolds on Preservice Teacher Noticing and Learning from Video

M.A.--- Learning Technologies **May 2004**

University of Michigan, Ann Arbor, MI

M.A.---Literacy Instruction **April 2000**

Michigan State University, East Lansing, MI

B.S.---Telecommunications **April 1992**

Michigan State University, East Lansing, MI

2. Teaching and Research Interests

1. Technology integration in k-12 settings
2. Gamified teaching and learning
3. Online teaching and learning

3. Professional Registration/Licensure/Certification

1. Michigan Elementary Teacher Certification (expired)

4. Employment History

Associate Dean **July 2017 to Present**

College of Education, Health, and Human Services

University of Michigan - Dearborn, Dearborn, Michigan

Professor of Educational Technology **March 2019 to Present**

College of Education, Health, and Human Services

University of Michigan - Dearborn, Dearborn, Michigan

Faculty Fellow **September 2016 to July 2017**

Provost Office
University of Michigan - Dearborn, Dearborn, Michigan

Director of Master's Degree Programs

May 2014 to December 2017

College of Education, Health, and Human Services
University of Michigan-Dearborn, Dearborn, Michigan

Associate Professor of Educational Technology

September 2011 to February 2019

College of Education, Health, and Human Services
University of Michigan - Dearborn, Dearborn, Michigan

Assistant Professor of Educational Technology

September 2005 to August 2011

School of Education
University of Michigan - Dearborn, Dearborn, Michigan

Research Assistant

July 2001 to August 2005

Center for Highly Interactive Computing in Education
University of Michigan, Ann Arbor, Michigan

Fifth Grade Teacher

September 1998 to June 2001

Greyhound Intermediate School
Eaton Rapids Public Schools, Eaton Rapids, Michigan

Third Grade Teacher

August 1995 to June 1998

George Seitz Elementary
Kwajalein Schools, Kwajalein Island, Republic of the Marshall Islands

5. Honors and Awards

Global Teaching with Videoconferencing Grant (2013), University of Michigan
[Global Intercultural Experience for Undergraduates](#) (GIEU) Faculty Fellow (2013)
Faculty Research Initiation and Seed Grant, University of Michigan-Dearborn (2011)
Society for Information Technology & Teacher Education [Outstanding Paper Award Recipient](#)
(2008)

6. Scientific and Professional Societies Memberships

Consortium for Outstanding Achievement in Teaching with Technology (COATT)
Michigan Association for Computer Users in Learning (MACUL)
Society for Information Technology and Teacher Education (SITE)
International Society for the Learning Sciences (ISLS)

7. Teaching Activities

a) Courses Taught

- a. EDT 210: Technology in the Elementary Classroom

- b. EDT 211/511: Design of Technology Based Learning Solutions
- c. EDT 401/501: Research, Trends, and Issues in Educational Technology
- d. EDT 402/502: Survey of Educational Technology Tools
- e. EDT 514: Application of Instructional Technology
- f. EDT 420/520: Intro to Online Teaching & Learning
- g. EDT 422/522: Educating the Digital Learner
- h. EDT 531: Leadership and Professional Development in Educational Technology
- i. EDT 585: Technology for Administrators

b) Curriculum Development

I have created and taught several different Teacher Academy courses. I created EDT 402, EDT 420 and EDT 422 for the Instructional Technology undergraduate major. These classes are crosslisted with their 500 level counterparts. I modified EDT 211/511 to be taught as a gamified course.

c) Graduate/Undergraduate Student Supervision

Service on Doctoral Committees

2020-Present:	Amy Keesling (Chair)
2016-2019:	Linda Sorensen
2014-2016:	Alison Kline-Kator
2014-2016:	James Anderson
2014-2016:	Anne Morris
2014-2015:	Kristian Stewart
2012-2014:	Christopher Tremblay
2011-2013:	Peggy Sepetys

d) Other Teaching Experiences

Teacher Academy Courses developed and taught for CEHHS:

PDED 418BO/518BO: Google Apps for Education
 PDED 418BT/518BT: Tech Tools for the College Student
 PDED 418BR/518BR: Coding in the Classroom
 PDED 418CA/518CA: Technology for the Flipped Classroom
 PDED 418BN/518BN: Gamifying your Classroom
 PDED 518BK: Leadership and Professional Development in Educational Technology
 PDED 418AF/518BC: Integrating iPads Across the Curriculum
 PDED 418AG/518BD: Integrating Smartboards Across the Curriculum
 PDED 418AH/518BE: Mobile Technologies and Social Media in the Classroom
 PDED 418G/518Q: Harnessing the Power of the Internet in your Classroom

PDED 418Q/518AL: Using Technology to Make Online Learning Accessible
PDED 418R/518AM: Creating Online Learning Experiences
PDED 418BS/518BS: The Educational Escape Room
PDED 418BU/518BU: Creating a Makerspace
PDED 418BV/518BV: Confronting our Digital Biases

8. Research Activities

A. Publications

a) Papers Published or Accepted for Publication in Refereed Journals

Brunvand, S. & Hill, D. (2019). Gamifying your teaching: Guidelines for integrating gameful learning in the classroom. *College Teaching*, 2019 67 (1): p. 58-69.

Brunvand, S. & Bouwman, J. (2018). A Global Perspective: Fifth graders practice data collection as they examine soil. *Science and Children*, 2018 55 (8): p. 50-55.

Hill, D., **Brunvand, S.** (2017) Gaming the system: Helping students level-up their learning. *International Journal of Teaching and Learning in Higher Education*, 2017, 30 (1): 70-79.

Luera, G., **Brunvand, S.** & Marra, T. (2016) Challenges and rewards of implementing ePortfolios through a bottom-up approach. *International Journal of ePortfolio*, 2016, 6 (2): p. 127-137.

Taylor, J.A., **Brunvand, S.**, and Rahman, A. (2015) We were sparked!: Documentary filmmaking for National History Day *Georgia Social Studies Journal*. 2015, 5 (2): p. 85-95.

Taylor, J.A., **Brunvand, S.**, & Iroha, O. (2015). Portraiture in the social studies: Interdisciplinary and technological approaches to instruction. *International Journal of Academic Research in Education* 2(1), 1-25.

Taylor, J. & **Brunvand, S.** (2014), [E-portfolios and reflective practice by social studies educators](#): *The National Social Science Technology Journal*. 2014, 4 (1).

Duran, M., **Brunvand, S.**, Ellsworth, J. & Sendag, S. (2012), Impact of research-based professional development: Investigation of inservice teacher learning and practice in wiki integration. *Journal of Research on Technology in Education*. 2012, 44 (4): p. 313-334.

Thomas-Brown, K., **Brunvand, S.**, Luera, G., Hentrel, B., Barlow, L. & Wood, L. (2011), [Breaking down the ivory tower: Creating a school/university partnership where everyone benefits](#). *Scholarlypartnershipsedu*, 2011, 5 (2).

Brunvand, S., Byrd, S. (2011), Giving students a voice: Using VoiceThread to

promote learning engagement and success for all students. *TEACHING Exceptional Children*.

Brunvand, S. (2010), Best practices for producing video content for teacher education. *Contemporary Issues in Technology and Teacher Education*, 2010, 10 (2).

Brunvand, S., Abadeh, H. (2010), Making online learning accessible: Using technology to de-clutter the web. *Intervention in School and Clinic*, May 2010, 45 (5).

Duran, M., **Brunvand, S.** & Fossum, P. R. (2009), Preparing science teachers to teach with technology: Exploring a K-16 networked learning community approach. *The Turkish Online Journal of Educational Technology*, October 2009, 8 (4): p. 21-42.

Brunvand, S., Fishman, B. J. (2006). Investigating the Impact of the Availability of Scaffolds on Preservice Teacher Noticing and Learning from Video. *Journal of Educational Technology Systems*, 2006. 35 (2): p. 151-174.

b) Papers Submitted for Publication in Refereed Journals

c) Book Chapters

Hill, D. & **Brunvand, S.** (2022). Gamification 101 An Exploration of a Gamified Instructional Approach. In O. Bernardes, V. Amorim, & A. Moreira (Eds.), *Handbook of Research on the Influence and Effectiveness of Gamification in Education*. Hershey, PA: IGI Global.

Brunvand, S. & Miteza, I. (2019). Developing an Online Presence: Shifting the Focus from Quantity to Quality. In E. Smidt & R. Li (Eds.), *Ensuring Quality and Integrity in Online Learning Programs* (pp. 201-229). Hershey, PA: IGI Global.

Hill, D. & **Brunvand, S.** (2018). Taking Your Teaching to the Next Level: A Guide for Gamifying your Classroom. In Ottenbreit-Leftwich, A. & Kimmons, R. (Eds.), *The K-12 Educational Technology Handbook* (retrieved from <https://edtechbooks.org/k12handbook/gamification>).

Brunvand, S. (2015). Facilitating Student Interaction and Collaboration in a MOOC Environment. In R. M. Gonzalez (Ed.), *User-Centered Design Strategies for Massive Open Online Courses (MOOCs)* (pp. 1-14). Hershey, PA: IGI Global.

Brunvand, S. (2011). Using Social Bookmarking to Make Online Resources More Accessible. In J. E. Aitken, J. P. Fairley & J. K. Carlson (Eds.), *Communication Technology for Students in Special Education and Gifted Programs* (pp. 206-210). Hershey, PA: IGI Global.

Brunvand, S., Luera, G., Marra, T. & Peet, M. (2010), Implementing an Open Source ePortfolio in Higher Education: Lessons Learned Along the Way. In B. Ozkan (Ed.),

Free and Open Source Software for E-Learning: Issues, Successes and Challenges.

Brunvand, S., Duran, M. (2010), A Taxonomy of E-Research Collaboration Tools: Using Web 2.0 to Connect, Collaborate and Create with Research Partners. In M. Anandarajan (Ed.), *E-Research Collaboration: Frameworks, Tools and Techniques*. Germany: Springer-Verlag.

Kubitskey, B., Fishman, B., Margerum-Leys, J., Fogleman, J., **Brunvand, S.,** & Marx, R. W. (2006). Professional development and teacher learning: Using concept maps in inquiry classrooms. In M. McMahon, P. Simmons, R. Sommers, D. DeBaets & F. Crawley (Eds.), *Assessment in Science: Practical Experiences and Education Research*.

Brunvand, S., Fishman, B. J., Marx, R. (2005). Moving professional development on-line: Meeting the needs and expectations of all teachers. In J. Rainer & E. Guyton (Eds.), *Research on Alternative and Non-Traditional Education: Teacher Education Yearbook XIII*. Dubuque, IA: Kendall Hunt.

e) Conference Proceedings

Refereed by Paper

Brunvand, S., & Hill, D. (2018, March), Making Coding Instruction Accessible to all Students. In E. Langran & J. Borup (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2018* (pp. 1885-1887). Chesapeake, VA: AACE.

Brunvand, S., & Hill, D. (2017), Gaming the System: Helping Students Level-Up Their Learning. In P. Resta & S. Smith (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2017* (pp. 1460-1466). Chesapeake, VA: AACE.

Maxim, B., Decker, A. & **Brunvand, S.** (2017, October), Use of Role Play and Gamification in a Software Project Course. *Proceedings of the Frontiers In Education Annual Conference 2017* (Paper ID #17715). Indianapolis, IN.

Maxim, B., Acharya, S., **Brunvand, S.** & Kessentini, M. (2017, June), Introducing Active Learning in a Software Engineering Course. *Proceedings of the Annual Meeting of the American Society for Engineering Education Conference 2017* (Paper ID #978-1-5090-5920-1/17). Columbus, OH.

Brunvand, S., & Hill, D. (2016). Investigating the Impact of Gamified Learning on Post-Secondary Education Student's Ability to Self-Regulate their Learning. In G. Chamblee & L. Langub (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2016* (pp. 2067-2070). Chesapeake, VA: AACE.

Brunvand, S., Graves Wolf, L., Breen, L., Archambault, L., DeBruler, K. & Kennedy, K. (2014). Designing and developing an online teaching endorsement: Perspectives from

teacher preparation institutions, departments of education, and online providers. In M. Searson & M. Ochoa (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2014* (pp.720-722). Chesapeake, VA: AACE.

Duran, M., **Brunvand, S.**, Ellsworth, J., & Sendag, S. (2011), Impact of Research-Based Professional Development: Investigation of Inservice Teacher Learning and Practice in Wiki Integration. In M. Koehler & P. Mishra (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2011* (pp. 4319-4326). Chesapeake, VA: AACE.

Brunvand, S. & Abadeh, H. (2010). Using Technology to Differentiate Instruction and make Online Content Accessible to all Learners. In C. Crawford et al. (Eds.), Published in the proceedings of the Society for Information Technology & Teacher Education International Conference 2010 (pp. 3981-3984). Chesapeake, VA: AACE.

Brunvand, S. & Bouwman, J. (2009). The Math Boot Camp Wiki: Using a Wiki to Extend the Learning Beyond June. In I. Gibson et al. (Eds.), Published in the proceedings of the Society for Information Technology & Teacher Education International Conference 2009 (pp. 2454-2456). Chesapeake, VA: AACE.

Duran, M. & **Brunvand, S.** (2008). Preparing Science Teachers to Teach with Technology: Exploring Collaborative Approaches. In K. McFerrin et al. (Eds.), Published in the proceedings of the Society for Information Technology & Teacher Education International Conference 2008 (pp. 3319-3324). Chesapeake, VA:

Brunvand, S. & Erickson, D. (2008). Broadcasting Budding Authors: Making First Graders' Writing Accessible through Podcasts and Digital Video. In K. McFerrin et al. (Eds.), Published in the proceedings of the Society for Information Technology & Teacher Education International Conference 2008 (pp. 3531-3533). Chesapeake, VA: AACE.

Brunvand, S. (2007). Establishing K-16 Collaborations to Create Authentic Learning Opportunities in Educational Technology. In R. Carlsen et al. (Eds.), Published in the proceedings of the Society for Information Technology & Teacher Education International Conference 2007 (pp. 1400-1403). Chesapeake, VA: AACE.

Brunvand, S., Fishman, B. (2005, March). Assessing teacher beliefs, attitudes and expectations towards online professional development. Published in the proceedings of the Society for Information Technology and Teacher Education International Conference (pp. 2171-2176). Norfolk, VA: AACE.

Brunvand, S., Fishman, B., Marx, R., & Maybaum, J. (2002). Teacher expectations of online professional development. In P. Bell, R. Stevens & T. Satwicz (Eds.), Published in the proceedings of the International Conference of the Learning Sciences (pp. 516-517). Mahwah, NJ: Erlbaum.

e) Presentations

Brunvand, S. & DeFauw, D. (2022, October), *Addressing the Disruptions of COVID-19: Helping K-12 Students Get Back on Track*. Community Conversation at the Annual Meeting of the Coalition of Urban and Metropolitan Universities. San Diego, CA.

Duran, M. & **Brunvand, S.** (2021, March), Redesigning Educational Technology Experiences for Preservice Teachers: An Integrated Approach. Presentation at the Annual Meeting of the Society for Information Technology & Teacher Education International Conference. Virtual.

Emihovich, B., Hill, D., Zhou, F. & **Brunvand, S.** (2020, November), Developing an Enhanced Virtual Reality (VR) Life Skills Curriculum for Adolescents with Disabilities. Presentation at the Annual Meeting of the Association for Educational Communications and Technology. Virtual.

Emihovich, B., Hill, D., Zhou, F. & **Brunvand, S.** (2019, October), Using Virtual Reality to Provide Life Transition Skills for Students with Disabilities. Poster presentation at the Annual Meeting of the Association for Educational Communications and Technology. Las Vegas, NV.

Hill, D., Billops, K. & **Brunvand, S.** (2018, November), Making Coding Instruction Accessible to all Students. Presentation at the Teacher Education Division Conference. Las Vegas, NV.

Yackly, J., Maxim, B., **Brunvand, S.** & Decker, A. (2018, October), Active Learning and Gamification in Game Design Courses. Presentation at the International Academic Conference on Meaningful Play. East Lansing, MI.

Brunvand, S., & Hill, D. (2018, March), Making Coding Instruction Accessible to all Students. Presentation at the Annual Meeting of the Society for Information Technology & Teacher Education International Conference. Washington, D.C.

Billops, K., Hill, D. & **Brunvand, S.** (2018, February), Coding Instruction for Students with Disabilities. Presentation at the Michigan Council for Exceptional Children annual conference. Grand Rapids, MI.

Hill, D., **Brunvand, S.**, & Billops, K. (2017, October), Coding Instruction for all Students. Presentation at the M-Cubed Symposium. Ann Arbor, MI.

Maxim, B., Decker, A. & **Brunvand, S.** (2017, October), Use of Role Play and Gamification in a Software Project Course. Presentation at the Frontiers In Education annual conference. Indianapolis, IN.

Maxim, B., Acharya, S., **Brunvand, S.** & Kessentini, M. (2017, June), Introducing Active Learning in a Software Engineering Course. Presentation at the Annual Meeting of the American Society for Engineering Education. Columbus, OH.

Siko, J., McVey, M., & **Brunvand, S.** (2017, March), So, What Does This New Teacher Know About Tech, Anyway? Moderator at panel session at the Annual Meeting of the Michigan Association of Computer Users in Learning conference. Detroit, MI.

Brunvand, S., & Hill, D. (2017, March). Gamifying your Course in Canvas. Presentation at the University of Michigan-Dearborn Digital Education Day. Dearborn, MI.

Brunvand, S., & Hill, D. (2017, March), Gaming the System: Helping Students Level-Up Their Learning. Presentation at the Annual Meeting of the Society for Information Technology & Teacher Education International Conference. Austin, TX.

Brunvand, S., & Hill, D. (2016, March). Investigating the Impact of Gamified Learning on Post-Secondary Education Student's Ability to Self-Regulate their Learning. Round table discussion at the Annual Meeting of the Society for Information Technology & Teacher Education International Conference. Savannah, GA.

Brunvand, S. (2016, March). Organizing Online Courses in Canvas. Presentation at the University of Michigan-Dearborn Digital Education Day. Dearborn, MI.

Brunvand, S. (2016, March). Flipping the Lid on your Classroom: Technologies that make it happen. Presentation at the Plymouth-Canton Community Schools i3 Tech Conference. Canton, MI.

Brunvand, S. (2016, March). Using ClassCraft to Gamify your Classroom. Presentation at the Plymouth-Canton Community Schools i3 Tech Conference. Canton, MI.

Taylor, J.A., & **Brunvand, S.** (2015, November). Sketch apps and e-museums: Using technology in history education. Presentation at the annual conference of the National Council for the Social Studies, New Orleans, LA.

Brunvand, S. (2015, October). My district gave me a set of iPads...now what do I do? Presentation at the Plymouth-Canton Community Schools i3 Tech Conference. Canton, MI.

Taylor, J.A., & **Brunvand, S.** (2015, March). E-portfolios and reflective practice by social studies educators. Presentation at the annual conference of the National Social Science Association, Las Vegas, NV.

Brunvand, S. (2015, February). Technology for the Flipped Classroom. Presentation at the annual Tech Talk at Mercy conference. Farmington, MI.

Brunvand, S. (2015, January). School in the Cloud: Using Technology to Engage with the World. Poster session at the University of Michigan-Dearborn Inaugural Engagement Day. Dearborn, MI.

Brunvand, S., Austin, T. & Meechan, P. (2014, May), Global Teaching with Video-Conferencing. Invited round table participant at annual University of Michigan Enriching Scholarship conference. Ann Arbor, MI.

Brunvand, S., Graves Wolf, L., Breen, L., Archambault, L., DeBruler, K. & Kennedy, K. (2014, March), Designing and developing an online teaching endorsement: Perspectives from teacher preparation institutions, departments of education, and online providers. Invited panel participant at the Annual Meeting of the Society for Information Technology & Teacher Education International Conference. Jacksonville, FL.

Brunvand, S., Mifsud, R. & Vecchiola, C. (2014, March), Student Centered Learning. Invited panel participant at the University of Michigan-Dearborn HUB for Teaching and Learning Open House. Dearborn, MI.

Brunvand, S., Luera, G. & Reynolds-Keefer, L. (2012, October), Adapt or Die: Discussing the Impact of Unpredictable Program Climates on Evaluator Roles in Programs Serving At-Risk Youth. Presentation at the Annual Conference of the American Evaluation Association. Minneapolis, MN.

Brunvand, S., Luera, G. & Marra, T. (2012, July), Using E-Portfolios to Prepare Teachers: Investigating the Impact on Student and Faculty Perceptions of Teaching and Learning. Presentation at the Annual Conference of The Association for Authentic, Experiential and Evidence-Based Learning. Boston, MA.

Brunvand, S., Byrd, S. (2012, April), Using Computer Technology to Promote Improved Learning and Behavior for all Students. Presentation at the Annual Conference of the Council for Exceptional Children. Denver, CO.

Nemeth, L., Keefer, L., **Brunvand, S.** & O'Keefe, P. (2011, November), Using Data to Improve ACT Reading Achievement. Presentation at the Regional Data Initiatives Research Symposium. Lansing, MI.

Brunvand, S., Bouwman, J. (2011, August), Assisting Future Teachers to Integrate Technology In Their Classrooms. Presentation at the New Literacies Conference, Wayne State University, Detroit, MI.

Duran, M., **Brunvand, S.,** Ellsworth, J. & Sendag, S. (2011, March), Impact of Research-Based Professional Development: Investigation of Inservice Teacher Learning and Practice in Wiki Integration. Paper presented at the Annual Meeting of the Society for Information Technology & Teacher Education International Conference. Nashville, TN.

Brunvand, S., Abadeh, H. (2010, March), Using Technology to Differentiate Instruction and make Online Content Accessible to all Learners. Paper presented at the Annual

Meeting of the Society for Information Technology & Teacher Education International Conference. San Diego, CA.

Abadeh, H., **Brunvand, S.** (2010, March), Using Technology to Differentiate Instruction for Students with Disabilities. Presentation at the Michigan Council for Exceptional Children, Grand Rapids, MI.

Byrd, S., **Brunvand, S.** (2010, March), Giving Students a Voice: Using VoiceThread to Promote Learning Engagement & Success for all Students. Presentation at the Michigan Council for Exceptional Children, Grand Rapids, MI.

Brunvand, S., Frankel, D. (2009, November), There's Got to be a Better Way: Using Web 2.0 Tools to Transform Teaching and Learning. Presentation at the Great Lakes 1:1 Computing Conference, Chicago, IL.

Bouwman, J., **Brunvand, S.** (2009, March), Math Boot Camp Wiki: Extending the Learning Past June. Paper presented at the Annual Meeting of the Society for Information Technology & Teacher Education International Conference. Charleston, SC.

Brunvand, S. (2008, October), Exploring Reading & Writing Tools for the Digital Native. Presentation at the Innovative Learning Conference, San Jose, CA.

Brunvand, S., Rizzo, P. (2008, September), Creating Educational Social Networks. Presentation at the Center for Teaching & Technology Annual Technology Conference, Michigan State University. East Lansing, MI.

Adler, M., Burke, C., Malymeik, J., Kirby, C., **Brunvand, S.** (2008, July) Developing Lessons that Support English Literacy Instruction that is Culturally-Relevant and Integrated for Students Challenged by the Mandated Core Curriculum: A Case Study. Paper presented at the International Reading Association 22nd World Congress On Reading. Costa Rica.

Brunvand, S., Erickson, D. (2008, March), Broadcasting Budding Authors: Making First Graders' Writing Accessible Through Podcasts and Digital Video. Paper presented at the Annual Meeting of the Society for Information Technology & Teacher Education International Conference. Las Vegas, NV.

Duran, M., **Brunvand, S.** (2008, March), Preparing Science Teachers to Teach with Technology: Exploring Collaborative Approaches. SITE 2008 Outstanding Paper Award Recipient. Paper presented at the Annual Meeting of the Society for Information Technology & Teacher Education International Conference. Las Vegas, NV.

Brunvand, S. (2008, January), The Digital Natives are Restless. Invited presentation for the Michigan Education Policy Fellowship Program, Michigan State University. East Lansing, MI.

Brunvand, S. (2007, September), Making the Internet Work for You With Web 2.0 Tools. Presentation at the Center for Teaching & Technology Annual Technology Conference, Michigan State University. East Lansing, MI.

Adler, M., Burke, C., Malymeik, J., Kirby, C., **Brunvand, S.** (2007, June), When Curriculum Reform Collides With Assessment: A Case Study of 5th Grade Teachers Struggling to Make Meaningful Connections Between the Lives of Their Students and the Mandated Curriculum. Paper presented at the Annual Conference on Ethnographic and Qualitative Research in Education. Cedarville, OH.

Brunvand, S., Mouza, C., Schneider, R., Kubitskey, B., Wong, W. (2007, April). Multiple Contexts for Teacher Learning: Designing, Enacting, and Reflecting on Educative Material and Classroom Practice. Symposium presented at the Annual Meeting of the American Educational Research Association. Chicago, IL.

Burke, W., Burke, C., Adler, M., **Brunvand, S.,** Olwell, R., (2007, April). Working Toward Shared Responsibility and Accountability Within School-University Partnerships. Paper presented at the Annual Meeting of the American Educational Research Association. Chicago, IL.

Brunvand, S. (2007, March), Establishing K-16 Collaborations to Create Authentic Learning Opportunities in Educational Technology. Paper presented at the Annual Meeting of the Society for Information Technology & Teacher Education International Conference. San Antonio, TX.

Brunvand, S., (2006, December). Integrating Your Technology Plan with Your School Improvement Plan & Tech Tools for the Tech Savvy (or Technologically Challenged) Administrator. Presentations at the ENGAGE Conference hosted by Wayne RESA and The University of Michigan-Dearborn. Dearborn, MI.

Brunvand, S., LaCaria, M., Mosallam, S. (2006, April). Integrating Technology in an Elementary Classroom through a K-12/University Collaboration. Presentation at the Annual Salina Technology Professional Development Camp. Dearborn, MI.

Brunvand, S., Fishman, B. J. (2006, March). Investigating the Impact of the Presentation of Scaffolds on Preservice Teacher Noticing and Learning from Video. Paper presented at the Annual Meeting of the Society for Information Technology & Teacher Education International Conference. Orlando, FL.

B. Research Grants

a) Awarded Research Grants

“Integrating Robotics and Computer Coding into Teacher Preparation Undergraduate Courses” \$2,654.93, **Brunvand, S.** & Bouwman, J., Creative Teaching Grant 2017.

“Incorporating Gamification into Software and Game Design Courses” \$2,000, Maxim, B. & **Brunvand, S.**, Creative Teaching Grant 2017.

“Integrating Computer Coding Across the Curriculum” \$32,099, Hill, D & **Brunvand, S.**, Google CS[4]HS Professional Development Grant 2017 (unfunded).

“Coding Instruction for Students with Disabilities” \$15,000, Hill, D. (PI), **Brunvand, S.** and Agarwal, M., (Co-PIs), MCubed Grant, 2016-2017.

“On the Use of Emotional and Social Factors to Improve Students Success and Retention Rate” \$2,500, Kessentini, M. (PI), Maxim, B., Jia, B., Kim, S-H and **Brunvand, S.**, Advancement of Teaching and Learning Grant, 2015.

“Transforming a lecture heavy course (CIS 375) into mini-learning workshops” \$3,000, Maxim, B. (PI), Kessentini, M., **Brunvand, S.** and Acharya, S., Advancement of Teaching and Learning Grant, 2015.

“Team Teaching Through Videoconferencing” \$2,500, **Brunvand, S.** (PI), Global Teaching with Videoconferencing Grant, University of Michigan, 2013.

“Teaching Across Borders: Establishing a Virtual Tutoring Program in Johannesburg, South Africa” \$46,224, **Brunvand, S.** (PI), Global Intercultural Experience for Undergraduates Program, University of Michigan, 2013.

“Promoting Cross-Discipline Collaborations to Integrate Technology in Science Instruction” \$6,000, **Brunvand, S.** (PI), Faculty Research Initiation and Seed Grant, University of Michigan-Dearborn, 2011.

b) Awarded Instructional, Software and Equipment Grants

“Integrating Robotics and Computer Coding into Teacher Preparation Undergraduate Courses” \$2,654.93, **Brunvand, S.** & Bouwman, J., Creative Teaching Grant 2017.

“Mobile Learning (iPads) for CEHHS students and faculty” \$4,000, **Brunvand, S.** (PI), Advancement of Teaching and Learning Grant, 2015.

c) Pending Grant Applications

9. Service Activities

a) University Service

Campus-wide Committees

Faculty Research Council (2020-Present)

Council of Graduate Enrollment Management (2019-Present)
Provost Search Committee (2019-2020)
University Curriculum and Degree Grad Sub-Committee (2017-Present)
University Curriculum and Degree Committee (2017-Present)
Assessment Coordinator Search Committee (Winter 2017)
Digital Education Learning Community Chair (Winter 2017)
Digital Education Advisory Group (2016-2017)
Vision 2020 Steering Committee (2016-2017)
Graduate Optimization Group (2014-2019)
UCDC Digital Education Sub-Committee (2015-2017)
Vision 2020: Program Development Committee (2012-2013)
Vision 2020: Assessment Development Committee (2012-2013)
Campus Digital Group (2012-Present)
Faculty Advisory Compensation Team (2012-2015)
Office of Metropolitan Impact Advisory Committee (2012-Present)
Chancellor's Evaluation Committee Task Force (Spring 2014)
UCDC Assessment Sub-Committee (2013-2017)
University Budget Committee Chairperson (2013-2016)
Student Leadership Awards Review Committee (2008-2014)
Advancement of Teaching & Learning Award Review Committee (2012-2013)
Web Strategy Initiative Committee (2009-2010)
Faculty Senate's eLearning ad-hoc Committee (2009)
Technology Recommendations and Review Committee (2005-2007)

College (CASL, CECS, CEHHS, COB) Committees

CEHHS Administrative Council (2017-Present)
CEHHS Curriculum Committee, Ex-Officio (2017-Present)
CEHHS Instructional Learning Intermediate Search Committee, Chair (Fall 2022)
CEHHS Program Assistant Search Committee (Winter 2017)
CEHHS Grievance Committee (2014-2020)
CEHHS Executive Committee (2012-2015, Ex-Officio 2017-Present)
CEHHS Professional Dispositions Committee (2012-2015, Ex-Officio 2017-Present)
SOE TEAC Reaccreditation Committee (2010-2011)
CEHHS Technology/EPortfolio Committee Chairperson (2010-2017)
SOE Faculty Fellow (2010)
SOE Curriculum Committee Chairperson (2008-2010)
SOE Curriculum Committee Member (2007-2008)
SOE MPortfolio Implementation Committee (2007-2012)
SOE K-16 Collaborations Committee (2005-2007)

b) Professional Activities

Sessions/Conferences Organized and /or Chaired

Conference Organizer:

ENGAGE: An Educational Technology Conference for Teachers and Administrators (Dec. 2006): Co-Sponsored by Wayne RESA and UM-Dearborn

JumpStart Your Path to the 21st Century Classroom (Feb. 2009): Co-Sponsored by Wayne RESA, UM-Dearborn and The One-to-One Institute

JumpStart Your Path to the 21st Century Classroom (Apr. 2010): Co-Sponsored by Wayne RESA, UM-Dearborn and The One-to-One Institute

c) Technical Reviews

Papers for the Following Journals

International Journal of Academic Research in Education

Papers for the Following Conferences

Proposal Reviewer for annual conference of the National Association for Research in Science Teaching, Strand 12: Educational Technology (2006-Present)

Proposal Reviewer for the annual conference of the American Educational Research Association
Division K: Teaching and Teacher Education (2004-Present)
SIG: Computer and Internet Applications in Education (2004-Present)

Proposal Reviewer for annual conference of the Society for Informational Technology and Teacher Education (2004-Present)

d) Other Services

Invited Member, 7th Standard Evaluation Team for Michigan Department of Education (2010)

Vice-President, Consortium for Outstanding Achievement in Teaching with Technology (COATT) <http://www.coatt.net/> (2008-2011)

President, Consortium for Outstanding Achievement in Teaching with Technology (COATT) <http://www.coatt.net/> (2011-2020)