CURRICULUM VITAE
ERIC B. BAUMAN, PhD, FSSH, PHMHNP-BC,
APNP, RN, EMT-P
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ebauman@clinicalplayground.com

EDUCATION:

Date	Institution	Degree
2007	University of Wisconsin-Madison Madison, Wisconsin	PhD, Curriculum and Instruction
2004	University of Wisconsin-Madison Madison, Wisconsin	MS, Nursing
1994	University of Wisconsin-Madison Madison, Wisconsin	BS, Nursing
1989	University of Wisconsin-Madison Madison, Wisconsin	BA, Sociology

TRAINING:

Date	Institution	Diploma
2021	Averno Collage Milwaukee, Wisconsin	Post-Masters Certificate Psychiatric Mental Health Nurse Practitioner
1995	Milwaukee Area Technical College Milwaukee, Wisconsin	Police Recruit Academy Diploma
1990	Madison Area Technical College Madison, Wisconsin	Fire Recruit Academy Diploma

LICENSURE:

Emergency Medical Services
Emergency Medical Technician-Basic, State of Wisconsin, 1990–2001
Emergency Medical Technician-Intermediate, State of Wisconsin, 1991–1999
Paramedic, State of Wisconsin, 1999–present (# 035983)

Nursing
Registered Nurse, State of Wisconsin, 1995–present (# 120097-030)
Advanced Practice Nurse Prescriber, State of Wisconsin, 2022–present (#11853-33)

CERTIFICATION/CREDENTIALS:

Academic/Professional
American Heart Association Advanced Cardiac Life Support Training Center Faculty
American Heart Association Basic Life Support Training Center Faculty
American Heart Association Pediatric Advanced Life Support Training Center Faculty
Fellow Society for Simulation in Healthcare

Clinical
Psychiatric Mental Health Nurse Practitioner – Board Certified (ANCC)
National Registry of Emergency Medical Technicians (E0360147)

Emergency Services
FEMA IS-00200.c Basic Incident System for Initial Response
FEMA 19R-0313 EMO Emergency Medical Operations for CBRNE Incidents
FEMA Integrated Capstone Event (EMO)
State of Wisconsin Firefighter II

EMPLOYMENT:

Academic

April 2023–Present	**Faculty/Instructor (Adjunct)** American Canadian School of Medicine Picard-Portsmouth, St John's Parish Commonwealth of Dominica
September 2021–Present	**Associate Professor (Adjunct)** Massachusetts General Hospital – Institute for Health Professions Boston, Massachusetts
April 2012–February 2019	**Assistant Dean for Technology Development** ▪ Innovation Center of Excellence – Innovation Senior Leadership Team **Assistant Dean and Department Chair** ▪ Institute for Research and Clinical Strategy ▪ Chair – Department of Technology & Game-Based Learning **Associate Director** ▪ Center for Excellence in Simulation Education Adtalem Global Education Chicago, IL

October 2013–Dec. 2016   **Fellow and Visiting Scholar**
University of Wisconsin-Madison
School of Education
Department Curriculum and Instruction

July 2008–October 2010   **Faculty Associate**
University of Wisconsin-Madison
School of Medicine and Public Health
Department of Anesthesiology

January 2008–June 2008   **Associate Lecturer**
University of Wisconsin-Madison
School of Medicine and Public Health
Department of Anesthesiology

February 2008–June 2009   **Research Assistant**
University of Wisconsin-Madison
School of Medicine and Public Health
Department of Medicine

July 2003–December 2007   **Graduate Assistant/Instructor**
University of Wisconsin-Madison
School of Medicine and Public Health
Department of Anesthesiology

May 1990–December 1994   **Instructor Health Occupations and Protective Services**
January 2002–June 2002   Madison Area Technical College
January 2010–June 2010   Madison, Wisconsin

Clinical

April 2022–April 2024   **Psychiatric Mental Health Nurse Practitioner**
Crossroads Counseling Center
Sun Prairie/Janesville, Wisconsin

September 2020–April 2022   **Intern**
Crossroads Counseling Center
Sun Prairie/Janesville, Wisconsin

January 1999–May 2001   **Triage Nurse/Staff Nurse**
St. Mary's Hospital Emergency Department
Madison, Wisconsin

January 1999–January 2000   **Advanced Life Support Transport Nurse**
Madison West Ambulance Service
Madison, WI

March 1997–December 1998	**Staff Nurse** Midwest Health Systems Madison, Wisconsin
April 1996–June 1998	**Staff Nurse/Triage Nurse** St. Clare Hospital Emergency Department Baraboo, Wisconsin
September 1995–Present	**Staff Nurse** University of Wisconsin-Madison Athletic Department
September 1995–February 2000	**Acute Care Registered Nurse** Group Health Cooperative Madison, Wisconsin.

Professional/Other

September 2012–July 2015	**Division Chief – Emergency Medical Services** Blooming Grove Fire Department Blooming Grove, WI
April 2011–Present	**Managing Member** Forensic Analytics, LLC Madison, WI
December 2010–Present	**Managing Member** Clinical Playground, LLC Madison, WI
January 2001–June 2015	**Paramedic** Middleton Emergency Medical Services Middleton, WI
July 2001–January 2002	**Dane County Deputy Coroner** Dane County Coroner's Office Madison, Wisconsin
January 1994–Present	**Consultant** Emergency Services, Health Sciences Education, Game and Simulation-Based Learning Madison, Wisconsin

June 1991–Present	**Instructor and Training Center Faculty**
	Emergency Education Center
	University of Wisconsin Hospital & Clinics
	Madison, Wisconsin

May 1991–October 2020	**Paramedic/Firefighter**
	Town of Madison Fire Department
	Madison, Wisconsin

TEACHING/MENTORING:

<u>Massachusetts General – Institute of Health Professions</u>

Health Professions Education	951	Collaborative Research in Simulation
School of Health & Behavioral Sciences	405	Medical Terminology

<u>University of Wisconsin – Madison</u>

Anesthesiology	930	Crisis Management and Resuscitation
Anesthesiology	820	Required Clerkship in Anesthesiology
Anesthesiology	699	Independent Study
Anesthesiology	830	Elective Clerkship in Anesthesiology
Educational Leadership	742	Facilitating Learning for Adults
Interdisciplinary Letters & Science	250	Undergraduate Research Scholars

<u>Madison Area Technical College</u>

Protective Services		Emergency Medical Technician (All Levels)
Protective Services		Basic Trauma Life Support
Recreation Management	10-109-107	Recreation CPR/First Aid

<u>Other</u>

American Heart Association Basic Life Support
American Heart Association Advanced Cardiac Life Support
American Heart Association Pediatric Advanced Life Support

<u>Graduate Advising</u>

Suad Albulushi (current). Doctoral candidate, Massachusetts General Hospital – Institute of Health Professions.

Emma D' Arpino (2025). *Unpacking Weight Bias in Healthcare: A Mixed Methods Exploration of Perspectives from Practitioners, Patients, and Pre-licensure Students*. Doctoral candidate, Massachusetts General Hospital – Institute of Health Professions.

Morris, Mellissa (2024). *Virtual Reality and Health Profession Education* a dissertation submitted in partial fulfillment of the requirements for the degree of Doctor of Philosophy Massachusetts General Hospital – Institute of Health Professions, Boston, Massachusetts. April, 2024

Stallo, Peter (2024). *Virtual Reality in Healthcare Training Curricula: Facilitators and Barriers to Adoption and Evaluating the Difficulties of Cybersickness.* A dissertation submitted in partial fulfillment of the requirements for the degree of Doctor of Philosophy Massachusetts General Hospital – Institute of Health Professions, Boston, Massachusetts. January, 2024

Morton, Britany Alexandria (2022). *Engagement in Distance Debriefing.* A dissertation submitted in partial fulfillment of the requirements for the degree of Doctor of Philosophy Massachusetts General Hospital – Institute of Health Professions, Boston, Massachusetts. May, 2022.

Nikki Fogg (2021). *Screen-Based Simulation and the National Council of State Boards of Nursing Clinical Judgment Measurement Model.* A dissertation submitted in partial fulfillment of the requirements for the degree of Doctor of Philosophy Massachusetts General Hospital – Institute of Health Professions, Boston, Massachusetts. April, 2023.

Samosorn, Angela (2019). *Examining the Integration of New Media Instructional Technologies in Nursing Education.* A dissertation submitted in partial fulfillment of the requirements for the degree of Doctor of Philosophy, Department of Curriculum and Instruction, University of Wisconsin – Madison.

Adams, Reid (2018). *Functional Task Alignment in Arthrocentesis Simulator Design and Evaluation.* A thesis submitted in partial fulfillment of the requirements for the degree Masters of Sciences Medical Education and Innovation, Ross University of Veterinary Medicine, St. Kitts, West Indies. January 26, 2018.

Yenilmez, Tolga (2013). *Using a Test Based Digital Interactive Game To Teach College Students Proper Computer Use Habits.* An Academic practicum submitted in partial fulfillment of the requirements for the degree of Doctorate of Physical Therapy in the Sargent College of Health and Rehabilitation Sciences, Boston University. January 2013.

Johnson, C. M. (2012). *High-Fidelity Weather Simulation for Improving Flight Training and Investigation of Pilots' Weather-Related Decisions.* A dissertation submitted in partial fulfillment of the requirements for the degree of Doctor of Philosophy in Industrial & Systems Engineering, University of Wisconsin – Madison. June 15, 2012.

GRANTS & FUNDING:

2003–2007	Shiga May Hornbeck Scholarship: University of Wisconsin-Madison, School of Nursing
2007	Engage Podcasting Award: University of Wisconsin-Madison, Division of Information Technology Grant Amount: $1000
2007	University of Wisconsin-Madison School of Nursing, Nurses' Alumni Organization Special Projects Grant
2007–2009	NIH/NIGMS R01 GM071918-01, Lori Bakken (PI). Gender and Race in Biomedical Research Self-efficacy. 07/01/04-07/31/09 (Grant Period) Grant Amount: $357,474 Role: Research Assistant
2010	GE Healthcare, Eric B. Bauman (PI), Evaluation of Navigator Therapy V2 in a simulator environment. Grant Amount: $33,000 Role: Primary Investigator
2011–2016	SEPA 1 R25 RR026013-01 A1, Patricia Ward (PI). SIMLAB: Using Patient Simulation for Student Exploration of Community Health Issues. 09/13/2011 - 06/30/2016 (Grant Period) Grant Amount: $3M Role: Consultant
2012	Sigma Theta Tau, Cynthia Foronda (PI). Use of Virtual Clinical Simulation to Improve Communication Skills of RN to BSN Students: A pilot Study. Grant Amount: $1000 Role: Consultant
2013	University of Wisconsin Industrial & Economic Development Research (IEDR) Grant, Douglas Weigmann (PI). Aeromedical Evacuation Simulation for Improved Safety in Emergency Medicine. 2013-2014 (Grant Period) Grant Amount: $50,000 Role: Consultant
2015–2020	University of Pittsburgh/Coulter Translational Research Partners II Program (TPII) Grant, Joseph Samosky (PI). 2015-2020 (Grant Period). Grant Amount: $5M Role: Clinical Advisor
2021	University of Maryland Medical Center/Clinical Innovation Grant S. Tisherman & N. Morris (PIs) Grant Amount: $35,000 Role: Consultant

PUBLICATIONS *(* denotes peer reviewed; ✦ denotes invited)*:

Journal Articles

*Fogg, N, Yousef, M.G., Thompson, A., **Bauman, E.B.** & Kardong-Edgren, S. (2024). Using screen-based simulation to mitigate prelicensure nursing students' anxiety and enhance self-confidence in clinical decision-making. *Teaching and Learning in Nursing*, 2023(84), 1-9. https://doi.org/10.1016/j.ecns.2023.101452

*Fogg, N., Yousef, M. G., Thompson, A., **Bauman, E. B.**, & Kardong-Edgren, S. (2023). Fostering clinical decision-making using screen-based simulations aligned with the NCSBN Clinical Judgment Measurement Model. *Clinical Simulation in Nursing, 84, 101452.* https://doi.org/10.1016/j.ecns.2023.101452

*Gilbert, G.E., Paganotti, L.A., Franklin, A.E. & **Bauman, E.B.** (2023). The difference between quality improvement and human subjects research: Foundational support. *Journal of the Association for Vascular Access*, *28*(3), 12-18. ttps://doi.org/10.2309/JAVA-D-230002

✦Gilbert, G. E., & Bauman, E. B. (2023). An educational column by. *Journal of the Association for Vascular Access*, *28*(1), 8-12. https://doi.org/10.2309/JAVA-2023-28-01-04

*Foronda, C. L., Barroso, S., Yeh, V. J.-H., Gattamorta, K. A., & **Bauman, E.B.** (2021). A rubric to measure nurse-to-physician communication: A pilot study. *Clinical Simulation in Nursing*, 50(C), 38- 42. https://doi.org/10.1016/j.ecns.2020.09.005

*Samosorn A., Gilbert G.E., **Bauman E.B.**, Khine J., & McGonigle D. (2020). Using VR to teach nursing faculty/students airway insertion skills: A pilot study. *Clinical Simulation in Nursing*, 39, 18-26.

*Felszeghy, S., Pasonen-Seppänen, S., Koskela, A., Nieminen, P., Harkonen, K., Paldanius, K. M. A., Gabbouj, S., Ketola, K., Hiltunen, M., Lundin, M., Haapaniemi, T., Sointu, E., **Bauman, E. B.**, Gilbert, G. E., Morto, D., & Mahonen, A. (2019). Use of gamification in a histology course: An innovative strategy. *BMC Medical Education*, *19*(273). https://doi.org/10.1186/s12909-019-1701-0

*Felszeghy, S., Pasonen-Seppänen, S., Koskela, A., Nieminen, P., Härkönen, K., Paldanius, K. M. A., Gabbouj, S., Ketola, K., Hiltunen, M., Lundin, M., Haapaniemi, T., Sointu, E., **Bauman, E**. B., Gilbert, G. E., Morton, D., & Mahonen, A. (2019). Using online game-based platforms to improve student performance and engagement in histology teaching. *BMC Medical Education*, *19*(1), 273. https://doi.org/10.1186/s12909-019-1701-0

*Foronda, C., Walsh, H., Budhathoki, C., and **Bauman, E.** (2019). Evaluating nurse-physician communication with a rubric: a pilot study. *Journal of Continuing Education in Nursing, 50*(4), 163-169.

*Buckley, L., Gilbert G.E., and **Bauman, E.B.** (2019). Psychometric testing of a checklist for procedural training of peripheral intravenous insertion. *Advances in Simulation,* 4(5). doi: https://doi.org/10.1186/s41077-019-0092-y

*French, H.M., Dascanio, J.D., Peterson, E.W., Gilbert, G.E., Wright, C.C., Wickman, D.D. & **Bauman, E.B.** (2017). Creation of an anatomically correct high fidelity calf leg model and student's perception of learning outcomes. *Journal of Veterinary Medical Education,* 1(5). doi: 10.3138/jvme.0916-143r1

*Nibblett, B.D., Mauldin Pereira, M., Sithole, F., Orchard, P.A.D. and **Bauman, E.B.** (2017). Design and validation of a 3D printed flexible canine otoscopy teaching model. *Simulation in Healthcare,* 12(2), 91-95. doi: 10.1097/SIH.0000000000000227

✦**Bauman, E. B.** (2016). Games, Virtual Environments, Mobile Applications and a Futurist's Crystal Ball. *Clinical Simulation in Nursing,* 12(14), 109-114. doi: http://dx.doi.org/10.1016/j.ecns.2016.02.002

*Foronda, C. L., Alhusen, J., Budhathoki, C., Lamb, M., Tinsley, K., MacWilliams, B., Danials, J., Baptiste, L., Kushto Reese, K. & **Bauman, E.** (2015). A mixed-methods, international, multisite study to develop and validate a measure of nurse-to-physician communication in simulation. *Nursing Education Perspectives*, *36*(6), 383-388. doi: http://dx.doi.org/10.5480/15-1644

*Foronda, C**.** & **Bauman, E.** (2014). Strategies to incorporate virtual simulation in nurse education**.** *Clinical Simulation in Nursing,* 10(8), 412-418. doi: 10.1016/j.ecns.2014.03.005

✦**Bauman, E.B**, Adams, R.A., Pederson, D., Vaughan, G., Klompmaker, D., et al (2014). Building a better donkey: A game-based layered learning approach to veterinary medical education. GLS 10 conference proceedings, Carnegie Mellon University ETC Press, 372-375. ISSN 2164-6651 (print), ISSN 2164-666X (online)

*Foronda, C., Gattamorta, K., Snowden, K., & **Bauman, E.,** (2013). Use of virtual clinical simulation to improve communication skills of RN to BSN students: a pilot study. *Nurse Education Today,* doi:10.1016/j.nedt.2013.10.007

*Foronda, C., Liu, S. & **Bauman, E.** (2013). Evaluation of simulation in undergraduate nurse education: An integrative review. *Clinical Simulation in Nursing*, 2013(9), e409-e416

*Heinrichs, W.L., **Bauman, E.,** Dev, P. (2012). SBAR 'flattens the hierarchy' among caregivers. *Studies in Health Technology and Informatics,* 2012(173), 172-185, doi: 10.3233/978-1-61499-022-2-175

*Schaefer, J. III, Vanderbilt, A., Cason, C., **Bauman, E.,** Glavin, R., Lee, F., and Navedo, D. (2011) Literature review: Instructional design and pedagogy science in healthcare simulation. *Simulation in Healthcare* 6(7), S30-S41, doi: 10.1097/SIH.0b013e31822237b4

*Games, I. and **Bauman, E.** (2011) Virtual worlds: An environment for cultural sensitivity education in the health sciences. *International Journal of Web Based Communities 7(2)*, 189-205, doi: 10.1504/IJWBC.2011.039510

***Bauman, E.B.**, Joffe, A.M., Lenz, L., Hetzel, S.J., DeVries, S.A., Seider, S.P. (2010). An evaluation of bag-valve-mask ventilation using an ergonomically designed face-mask among novice users: a simulation-based pilot study. *Resuscitation 81(2010)*, 1161-1165, doi: 10.1016/j.resuscitation.2010.05.005.

Books and Chapters

✦**Bauman, E. B.** and Ralston-Berg, P., Gilbert, G. E., & Sanko, J. (2022). Serious gaming using simulations. In Jeffries, P. (ed.) *Clinical simulations in nursing: Advanced concepts, trends, and opportunities* (2nd Ed.). National League of Nursing, Wolters Kluwer.

Bauman, E.B., Ralston-Berg, P., Gilbert, G.E. & Sanko, J. (2022). Virtual simulation. In Maxworthy, J. C., Palaganas, J. C., Epps, C. A., & Mancini, M. E. B. (Eds). *Defining Excellence in Simulation Programs (2nd Ed.)*. Lippincott Williams & Wilkins.

✦**Bauman, E. B.**, Ralston-Berg, P., & Gilbert, G. E. (2021). Virtual simulations and gaming to promote student learning and engagement. In P. Jeffries *Clinical Simulations in Nursing Education: From Conceptualization to Evaluation* (3rd Ed.). New York: National League for Nursing.

✦Jeffries, P.R., **Bauman, E.B.**, Farina, C.L., and Slavin, C.W. (2020). The future of simulation in healthcare. In Palaganas, J.C, B.T. Ulrich & M.E. Mancini (Eds.). *Mastering simulation: A handbook for Success (2nd Ed.)*. Indianapolis, IN: Sigma Theta Tau International.

***Bauman, E.B.**, Ralston-Berg, P. and Gilbert G. (2018). The nexus of game development: Curricular integration & faculty development. In McGonigle, D. & Gordon, R.M. (Eds.). Virtual simulation in *nursing education*. New York, NY: Springer Publishing Company.

✦**Bauman, E. B.** (2018). Virtual modalities: Games and virtual learning environments. In Foisy-Doll, C. & Leighton, K. (Eds.). *Simulation champions: Fostering courage, caring, and connection* (pp. 94-96). Philadelphia, PA: Wolters Kluwer.

✦**Bauman, E.B.** (2016). Immersive virtual reality to model physical – social interaction and self representation. In Combs, D., Sokolowski, J.A., and Banks, C.M. (Eds). *The digital patient: Advancing medical research, education, and practice.* Wiley.

✦**Bauman, E. B.** (2015). Summary: Institute of Medicine/Society for Simulation in Healthcare gaming arcade and showcase. In *National Academies of Science, Engineering, and Medicine 2015. Envisioning the future of health professions education: Workshop summary*. Washington, DC: The National Academies Press. ISBN: 0-309-0XXXX-X

***Bauman, E. B.**, Pederson, D., Adams, R., Pelletier, B., Vaughan, G., Kaplan, B. and Fuentealba, C. (2015). Project magic: Mobile application guide for innovative curriculum. In National Academies of Science, Engineering, and Medicine 2015. *Envisioning the future of health professions education: Workshop Summary*. Washington, DC: The National Academies Press. ISBN: 0-309-0XXXX-X

✦**Bauman, E. B.** and Ralston-Berg, P. (2014). Virtual simulation. In J. Palaganas, J. Maxworthy, C. Epps, and M.E. Mancini (Eds). *Defining excellence in simulation*. Wolters Kluwer – Lippincott Williams & Wilkins.

✦**Bauman, E. B.** and Ralston-Berg, P. (2014). Serious gaming using simulations. In Jeffries, P. (Ed). *Clinical simulations in nursing: Advanced concepts, trends, and opportunities*. National League of Nursing, Wolters Kluwer.

✦Jeffries, P.R., **Bauman, E.B.**, and Schaefer, J.J. (2014). The future of simulation in healthcare. In B.T. Ulrich & M.E. Mancini (Eds). *Mastering simulation: A handbook for Success.* Indianapolis, IN: Sigma Theta Tau International.

✦**Bauman, E. B.** (2012). *Game-based teaching and simulation in nursing & healthcare*. New York, NY: Springer Publishing Company.

✦Gould, J., & **Bauman, E.** (2012). Virtual reality in medical education. In S. Tsuda, D.J. Scott, & D.B. Jones (Eds) *Textbook of simulation, surgical skills and team training.* Woodbury, CT: Cine-Med.

*Tyczkowski, B., **Bauman, E.**, Gallagher-Lepak, S., Vandenhouten, C., and Resop Reilly, J. (2012). An interface design evaluation of courses in a nursing program using an e-learning framework: A case study. In B. Khan (Ed). *User interface design for virtual environments: Challenges and advances.* McWeadon Press: Washington, DC.

***Bauman, E.B.** and Games, I.A. (2011). Contemporary theory for immersive worlds: Addressing engagement, culture, and diversity. In A. Cheney and R. Sanders (Eds). *Teaching and learning in 3D immersive worlds: Pedagogical models and constructivist approaches.* IGI Global.

***Bauman, E.** (2011). In Pakieser-Reed, K. (Ed) *A daybook for nursing educators*. Sigma theta Tau International.

✦**Bauman, E.** (2010). Virtual reality and game-based clinical education. In K.B. Gaberson, & M.H. Oermann (Eds) *Clinical teaching strategies in nursing education (3rd ed)*. New York, Springer Publishing Company.

Abstracts

Nibblett, B.M., Dascanio, J., **Bauman, E.**, Pederson, D., Knight, A., Adams, E. (2013). The use of 3D printing to generate teaching models in veterinary medicine. [peer reviewed abstract] Simulation in Healthcare, 8(6), 622. doi: 10.1097/01.SIH.0000441725.39760.a5

Richter, K., Adams, R., Pederson, D., & **Bauman, E.** (2013). A simulation based finale for a pain management clerkship rotation. [peer reviewed abstract] *Simulation in Healthcare*, *8*(6), 487. doi: 10.1097/01.SIH.0000441506.85912.9c

Thompson, D., **Bauman, E.**, Ranger, N., & Berry, S. (2011). Preparing learners for future experiences using game-based learning. [peer reviewed abstract] *Clinical Simulation in Nursing*, *7*(6), e265-e265.

White, K., **Bauman, E**., Roach, M., Holland, R., O'Connell, K., Vogelman, B., and Smith, A. (2010). Resident performance: Leadership comfort levels – a pilot study. [peer reviewed scientific poster abstract] *Simulation in Healthcare*. 5(6), 418.

Bauman, E.B., Games, I.A., Waddington, R. (2010). Games and simulation in healthcare: Past, present, and future – an expert panel [peer reviewed abstract]. *Clinical Simulation in Nursing,* 6(3), e108.

Bauman, E.B., Joffe, A.M., Liew, E.C., and Seider, S.P. (2009). Simulation-based training to teach paramedics how to place and intubate through the single use LMA-Fastrach^{TM} [peer reviewed scientific poster abstract]. *Simulation in Healthcare*, 4(4), 244.

Bauman, E.B., Joffe, A.M., DeVries, S.A., Lenz, L., Hetzel, S.J., Seider, S.P., and Han, S. (2009). Simulation-based evaluation of an ergonomically designed face mask among novice users [peer reviewed scientific poster abstract]. *Simulation in Healthcare*, 4(4), 245.

Bauman, E. (2009). Teaching Cultural Competence in Web-Based Communities [invited conference abstract]. *Clinical simulation in nursing*, 5(3s), 3.

Bauman, E., Farrell, C., & Angelini, G. (2007). High-fidelity simulation as a technique for resuscitation education and evaluation [peer reviewed scientific poster abstract]. *Simulation in healthcare,* 2(4), 255.

Bauman, E., Farrell, C., & Kloosterboor*,* T. (2006). Simulation as a mechanism for education and evaluation of resuscitation. [peer reviewed abstract] *Journal of Education in Perioperative Medicine*, 8(2).

Dissertation

Bauman, E. (2007). High fidelity simulation in healthcare. Ph.D. dissertation, The University of Wisconsin – Madison, United States. Dissertations & Theses @ CIC Institutions database. (Publication no. AAT 3294196 ISBN: 9780549383109 ProQuest document ID: 1453230861)

PRESENTATIONS *(* denotes refereed presentations; ✦ denotes invited presenter)*:

*Marinelli, S., Cormier J., Albin C., Beekman R., Ghoshal S., Labuzetta J., Sarwal A., Morris N., Jannotta D., Jannotta G., **Bauman E.B.**, Greer D., Lewis A., Wahlster S., Town J. (2024, October). Interactive Virtual Curriculum for Brain Death/Death by Neurologic Criteria. Poster presentation at the Neuro Critical Care Society annual meeting. San Diego, CA.

*Morris, N.A., Tisherman, S.A., Price, R., Carrilo, G., **Bauman, E.B.**, Neustein, B. (2024, June). *Game-based learning and in-situ interprofessional Simulation to improve the response to the deteriorating patient.* Poster presentation at the Empowering Educators: IAMSE 2024 Conference. Minneapolis, MN.

✦**Bauman, E.B.** (2023, March). *Virtual reality, where are we now: A recovering futurists perspective.* Keynote presentation at the Mayo Clinic Healthcare in Person 2023 conference: Elements, Essentials & Excellence in Healthcare Simulation. Rochester, MN.

*Morris, M., **Bauman, E.B.**, Colas, M., Gore, T., Kutzin, J., Jafri, F. N., Pantaleo, L., Pota, T., Rosu, C., Sand, K., Sanko, J.S., Starodub, R. & Palaganas, J. (2023, January). *Video Conferencing Versus Immersive Virtual Reality on Meeting Satisfaction.* Poster presented at the 23rd Annual International Meeting for Simulation in Healthcare, Orlando, FL.

✦**Bauman, E.B.** (2022, October). *Treating depression: Old, new & next.* Continuing education seminar for Waukesha County Technical College. Pewaukee, WI.

✦Babo, E., **Bauman, E. B.** and Burbine, T. (2022, October). Arizona HIMSS Education Series, Care innovation: What's working and what's not. Panel discussion for the Arizona chapter of HIMSS.

✦**Bauman, E. B.** (2021, October). *Distance learning: Virtual learning in the health sciences – beyond smoke and mirrors towards pedagogy, research, and implementation.* Discussion at the Texas Chapter of the Society for Critical Care Medicine 10th annual symposium: ICU it's all about resilience, San Antonio, TX.

✦**Bauman, E. B.** (2021, September). *Playing Doctor: The Remote-designed clinical encounter.* Webinar presented as part of the Design Thinking Day hosted by KMK Consulting.

✦**Bauman, E. B. and Morris, M.** (2021, September). *Presence and immersion: Video/Web conferencing versus virtual reality collaboration space.* Webinar hosted by Guangzhou First People's Hospital and SimFeed.

✦**Bauman, E. B.** (2021, June). *Leveraging innovation for medical & health sciences education: Beyond smoke and mirrors, towards pedagogy and implementation.* Webinar hosted the Society for Critical Care Medicine, USA.

✦**Bauman, E. B.** (2021, April) *Exploring Educational Design in VR.* Roundtable Webinar hosted by Arch Virtual/Acadicus.

✦**Bauman, E. B.** (2020, September). *Objective based design and narrative for VR training.* Webinar hosted by Guangxi Medical University, 1st Hospital and Wu Zieping Medical Foundation.

*Foronda. C.L., Barroso-Fernandez, S., Yeh, V.J.H., Gattamorta, K.A., & **Bauman, E.B.** (2020, June). *A rubric to measure nurse-to-physician ISBAR communication.* Poster presented at International Nursing Association for Clinical Simulation Virtual Conference.

*Gilbert, G. E., Paganotti, L. A., & **Bauman, E. B.** (2020, February). *Improving conference social media engagement: The IMSH Twitter story.* Poster presented at the 20th Annual International Meeting for Simulation in Healthcare, San Diego, CA.

*Gilbert, G. E., Buckley, L. A., & **Bauman, E. B.** (2019, August). *Improving conference social media engagement: The AMEE Twitter story.* Poster presented at the 46th Annual International Meeting of the Association of Medical Educators in Europe, Vienna, AT. doi: https://doi.org/10.13140/RG.2.2.10224.61442

*Chang, T., P., Pusic, M.V., **Bauman, E.B.**, Dong, C., Stapleton, G., Kachur, E. (2019, August). *Theoretical & practical considerations for **serious games** development & implementation in medical education.* Meeting of the Association of Medical Educators in Europe, Vienna, AT.

✦**Bauman, E.B.** (2019, May). *Leveraging Digital Innovations for Medical Education and Learning: From Mobile and Game-Based Learning to VR/AR and then some.* Grand Rounds presentation at Geisinger Commonwealth School of Medicine, Scranton, PA

✦**Bauman, E.B.** (2019, May). *VR Workshop for Medical Education: An introduction to content selection, development & integration.* Faculty development workshop at Geisinger Commonwealth School of Medicine, Scranton, PA.

✦Stapleton, G.R., **Bauman, E.B.**, Kachur, E., Robert, A., Umoren, R., Mathews, M.J., Belda, T., Bramlet, M.T., Koon, S., and Parham, D. (2019, January). *Using Virtual Reality in Health Professions Education: A Bootcamp for Simulation Professionals and Faculty.* Workshop at the International Meeting on Simulation in Healthcare, San Antonio, TX.

*Khine, J., Gilbert, G.E., **Bauman, E.B.**, Samosorn, A. and McGonigle, D. (2019, January). *VR Airway Laboratory: A pilot study.* Presentation at the International Meeting for Simulation in Healthcare, San Antonio, TX.

*Buckley, L., Gnecco, S., Pederson, D., Adams, R., Gilbert, G., and **Bauman, E.B.** (2019, January). *Simulation, Entrustable Professional Activities and the Medical School Clinical Clerkship.* Presentation at the International Meeting for Simulation in Healthcare, San Antonio, TX.

✦**Bauman, E.B.** (2019, January). *Augmented reality in medical education.* 2019 Annual Society for Technology in Anesthesia: Mind Over Matter, Scottsdale, AZ.

*Bauman, E.B., et al. (2018, November). *App-Clinic – Saving Lives! Mobile game for basic life support (CPR) education in a situated simulated emergency scenario.* Serious Games Arcade Presentation at Interservice/Industry Training, Simulation and Education Conference, Orlando, FL.

✦**Bauman, E.B., et al**. (November 2018). *Roundtable Discussion: International Forum on Medical Innovation and Urban Development.* 13th Wu Jieping Forum for Health and Development, Zhongshan, China.

✦**Bauman, E.B., et al**. (November 2018). *Panel Discussion: Best Practices in Virtual Reality for Medical and Healthcare Education.* 13th Wu Jieping Forum for Health and Development, Zhongshan, China.

✦**Bauman, E.B., et al**. (November 2018). *Panel Discussion: Best Practices in Simulation for Medical and Healthcare Education.* 13th Wu Jieping Forum for Health and Development, Zhongshan, China.

✦**Bauman, E.B.**, Malone, K.L., Van Eck, R., Wolfenstein, M., and Berland, M. (2018, October). *Trends in Game-Based Teaching and Learning…Pearls and Perils.* Panel Discussion at M+Dev Conference, Madison, WI.

✦**Bauman, E.B.,** (2018, October). *Best practices in virtual reality and game-based teaching and learning.* Workshop at INVEST Conference, Knoxville, TN.

*Nimirovsky, M., Haselton, M., Buckely, L., Adams, R. and **Bauman, E.B.** (2018, August). *Saving Lives!: A game-based mobile application to promote CPR training and competency*. Poster Presentation at Association Medical Educators Europe Conference, Basel, Switzerland.

*Buckely, L., Pederson, D., Adams, R, Gnecco, S., Crutcher, J., Gilbert, G.E., and **Bauman, E.B.** (2018, August). *Simulation, entrustable professional activities and the medical School clerkship.* Workshop at Association Medical Educators Europe Conference, Basel, Switzerland.

✦ Robert, A., **Bauman E.B.**, and Kiggens, J. (2018, July). *Virtual Simulations for Nursing Training.* Panel Discussion at 2018 Serious Play Conference, Buffalo, NY.

✦**Bauman, E.B.**, Buckley, L., and White, D. (2018, July). *The role of embedded content expertise in healthcare training products.* Panel Discussion at 2018 Serious Play Conference, Buffalo, NY.

✦**Bauman, E.B.**, Buckley, L., and White, D. (2018, July). Virtual Reality 101: *Pearls and pitfalls for clinical education*. Panel Discussion at 2018 Serious Play Conference, Buffalo, NY.

✦**Bauman, E.B.**, Adams, R. and Norton, D. (2018, July). *The role of embedded content expertise in healthcare training products.* Panel Discussion at 2018 Serious Play Conference, Washington, DC.

***Bauman, E.B.**, Adams, R., Pederson, D. (2018, June). *Game Based Learning: An Introduction*. Workshop at 2018 International Association of Medical Science Educators, Las Vegas, NV.

***Bauman, E.B.**, Adams, R., Javornik, J., Robert, A. (2018, January). *Virtual Reality 101 for Clinical Education*. Panel discussion at 2018 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, Los Angeles, CA.

***Bauman, E.B.**, Adams, R., Brouchoud J., and Pelletier, B. (2018, January). *Virtual Reality Airway Learning Lab: Use case for virtual reality in clinical education*. Presentation at 2018 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, Los Angeles, CA.

*Brouchoud J., **Bauman, E.B.**, and Pelletier, B. (2018, January). *Envision: Work your Magic.* Presentation at 2018 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, Los Angeles, CA.

*Nemirovsky, M., Norton, D., Buckley, L., Adams, R., and **Bauman, E.B.**, (2018, January). *SavingLives!: A game-based mobile application to promote Cardiopulmonary Resuscitation training and competency.* Workshop at 2018 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, Los Angeles, CA.

✦Adams, R., **Bauman, E.B.**, Farra, S., Robert, A., and Stapleton, G. (2018, January). *Serious games for learning: Development and application bootcamp.* Presentation at 2018 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, Los Angeles, CA.

✦**Bauman, E.B.** (2017, November). *Innovators: Rapid Poster Session*. Moderator at Improving Health Professional Education and Practice through technology – A workshop. National Academies of Science, Engineering and Medicine, Washington, DC.

✦**Bauman, E.B.** (2017, November). *Leveraging Technology for Solving Problems*. Speaker/Facilitator at Improving Health Professional Education and Practice through Technology – A Workshop. National Academies of Science, Engineering and Medicine, Washington, DC.

*Pederson, D., **Bauman, E.B.**, Gilbert, G.E, Adams & Fuentealba, C. (2017, August). *Adoption of mLearning: A faculty perspective.* Podium Presentation at Association Medical Educators Europe Conference, Helsinki, Finland.

*Adams, R.A., Gilbert, G.E., **Bauman, E.B.**, Peterson, E., Little, E., Nino Fong, R. & Fuentealba, C. (2017, August). *Content Validation of an Assessment Checklist for Arthrocentesis and Functionality Task Alignment of an Arthrocentesis Simulator.* Poster Presentation at Association Medical Educators Europe Conference, Helsinki, Finland.

✦Bauman, **E. B.** (2017, June). *Game-Based Teaching and Learning: Theoretical Approaches to and Frameworks for the Health Sciences*. Keynote Presentation at the Uniformed Services University of the Health Sciences Annual Education Day, Bethesda, MD.

***Bauman, E.B.** (2017, April). *Learning is All Fun and Games with Game-Based Learning*. Presentation at ASPET Annual Meeting at Experimental Biology 2017, Chicago, IL.

*Hernandez**,** M.J. & **Bauman, E.B.** (2017, April). *Interactive Pharmacology Game*. Workshop at ASPET Annual Meeting at Experimental Biology 2017, Chicago, IL.

*Adams, R.A., Gilbert, G.E., **Bauman, E.B.**, Peterson, E., Little, E., Nino Fong, R. & Fuentealba, C. (2017, April). *Content Validation of an Assessment Checklist for Arthrocentesis and Functionality Task Alignment of an Arthrocentesis Simulator*. Poster at Phi Zeta Research Day, Ross University School of Veterinary Medicine, St. Kitts, West Indies.

*Gordon, A., Adams, R., **Bauman, E. B.** & Pederson, D. (2017, January). *Collaborative Mobile Application for Teaching Applied Anatomy & Pathology.* Presentation at the 2017 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, Orlando, FL.

*Nemirovsky, M. and **Bauman, E. B.** (2017, January). *Saving Lives.* Presentation at the 2017 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, Orlando, FL.

*Gilbert G.E., Buckley L.A. and **Bauman E.B.** (2016, November). *Perform General Procedures of a Physician (EPA12): Validation of a Checklist for inserting a Peripheral Intravenous (IV) Line*. Poster presented at Learn Serve Lead 2016: The AAMC Annual Meeting, Seattle, WA.

***Bauman, E. B.** and Chu, G. (October, 2016). *Serious Physicians*, *Serious Games, Serious Simulations.* Presentation at 2016 PMRG Institute, Cherry Hill, NJ.

*Adams, R.A., **Bauman, E.B.**, DeVane, B., Martin, C., Samosorn, A., Wolfenstein, M. (August, 2016). *What Buffy the Vampire Slayer has to tell us about Gaming, Education, and Self Directed Learning*. Panel discussion at Game+Learning+Society 12, Madison, Wisconsin.

***Bauman, E. B.,** Pederson, D., Cruz-Martinez, L., and Adams, R.A. (June, 2016). *Game Based Learning in the Health Professions.* Focus Group Workshop at the 20th Annual IAMSE Meeting, Leiden, Netherlands.

***Bauman, E.B.**, Leighton, K., and Samosorn, A. (2016, June). *Contemporary Pedagogy: The Layered Learning Approach for Supporting Innovative Technology*. Workshop at 2016 International Nursing Association for Clinical Simulation and Learning Conference, Grapevine, TX.

***Bauman, E.B.**, Leighton, K., and Samosorn, A, (2016, April). *Supporting Innovative Technology with Contemporary Pedagogy.* Presentation at National League of Nursing/Sigma Theta Tau International 2016 Nursing Education Research Conference, Washington DC.

✦Peterson, E., Dascanio,J., **Bauman, E.**, Adams, A., and French, H. (January, 2016) *Bovine Obstetrical Skills Training: Do Looks Matter?* Poster presented at Phi Zeta Research Day RUSVM, St. Kitts, West Indies.

Bauman, E.B., Pederson, D., Adams, R.,Nazaire, Y.,Pederson, D., Greg Vaughan, Beall, M. and Shaw, E. (January, 2016). *Game-Based Learning: Layered learning model and game development.* Workshop at the 2016 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, San Diego, CA.

Bauman, E.B., Pederson, D., Adams, R. Beall, M., Vaughan, G., and Williams, J. (2016, January). *MREAL: The beating heart experience.* Presentation at the 2015 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, San Diego, CA.

Bauman, E.B., Pederson, D., Adams, R. Beall, M., Vaughan, G. (2016, January). *AnatomyTable: An interactive design experience for anatomy and physiology education.* Presentation at the 2015 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, San Diego, CA.

Bauman, E.B. (2015, November). *Innovation through Simulation: Paradigm for Patient Safety.* Keynote presentation at Innovation in Nursing Practice: A Rainbow of Opportunities, Children's Hospital of Wisconsin, Milwaukee, WI.

Bauman, E.B. (2015, November). *Simulation: The name of the game is debrief.* Workshop at Innovation in Nursing Practice: A Rainbow of Opportunities, Children's Hospital of Wisconsin, Milwaukee, WI.

Bauman, E.B. and Pederson, D. (2015, September). *Introduction to Game-Based Learning: The Layered Learning Model and Game Development.* Workshop at the 2015 International Veterinary Simulation in Teaching (INVEST) conference, Hanover, Germany.

Bauman, E.B., Adams, R.A., Gilbert, G., Fuentealba, C., and Pederson, D. (2015, September). *AnatomyTable: An interactive designed experience for veterinary anatomy and physiology education.* Poster presentation at Association of Medical Educators Europe 2015 Congress, Glasgow, Scotland.

*Boutilier, P., Fuentealba, C., Adams, R., Gilbert, G., Pederson, D., and **Bauman, E.B.** (2015, September). *Medical and Veterinary students have a positive view of the introduction of mobile device applications as part of the curriculum: Results from a survey of students from four institutions.* Poster presentation at Association of Medical Educators Europe 2015 Congress, Glasgow, Scotland.

*Ralston-Berg, P. & **Bauman, E.B.** (September, 2015). *Are Games and Simulations a Good Fit for Your Curriculum?* 2015 Annual Conference on Distance Teaching & Learning. University of Wisconsin, Madison, WI.

Bauman, E.B., Hutchison, C., Adams, R., Fuentealba, C., Pederson, D., Pelletier, B., and Squire, K. (2015, July). *Interactive Life Sized 3D Digital Modeling and Simulation: A Case study in Anatomy and Physiology Education.* Workshop at Games+Learning+Society 11.0, Madison, WI.

✦**Bauman, E.B.** (May, 2015). *Game Mechanics, Game-Based Learning, and Simulation: Developing Translational and Transformative Clinical Education.* Presentation at the 13th Annual Safar Symposium. University of Pittsburgh School of Medicine, Pittsburgh, PA

***Bauman, E.B.**, Pederson, D., Adams, R., Pelletier, B., Vaughan, G., Fuentealba, C. (April, 2015). *Project Magic: Mobile Application Guide for Innovative Curriculum.* Presentation at the Institute of Medicine: IHPE workshop titled, Envisioning the Future of Health Professions Education, Washington, D.C.

*Foronda, C., Lamb, M., Tinsley, K., MacWilliams, B., Walsh, H., Daniels, J., Baptiste, D., Reese, K., Budhathoki, C., Alhusen, J. & **Bauman, E**. (October, 2015). *Teaching and Assessing Interprofessional Communication Skills with the ISBAR Interprofessional Communication Rubric: A multi-site, feasibility study.* National League for Nursing Education Summit 2015, Las Vegas, Nevada.

***Bauman, E.B.**, White, K., McGonigle, D., and Sisk, R. (2015, January). *Contemporary learning theory, game mechanics and clinical education: A panel discussion.* Presentation at the 2015 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, New Orleans, LA.

*Beall, M., **Bauman, E.B.**, Fuentealba, C., Hutchison, C.P. and Pederson, D. (2015, January). iAnesthesia. Presentation at the 2015 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, New Orleans, LA.

*Beall, M., Adams, R.A., **Bauman, E.B.**, Fuentealba, C., and Pederson, D. (2015, January). *Bone Viewer 3D.* Presentation at the 2015 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, New Orleans, LA.

*Beall, M., Adams, R.A., **Bauman, E.B.**, and Pederson, D. (2015, January). *Diagnose Me.* Presentation at the 2015 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, New Orleans, LA.

***Bauman, E. B.** (2014, December). *Game-Based Learning: Why it Matters* to *Healthcare.* Keynote speaker for Games for Health track at the mHealth Summit, Washington DC.

*Adams, R., **Bauman, E.B.**, Field, J., and Pederson, D. (2014, August). Video games: Why waste good technology on science and medicine: Gamers, virtual environments, and clinical education. Poster presentation at the Association of Medical Educators Europe 2014 Congress, Milan, Italy.

*Adams, R., **Bauman, E.B.,** Field, J., and Pederson, D. (2014, August). *SimDonkey: Mannikin-based innovation for veterinary education.* Poster presentation at Association of Medical Educators Europe 2014 Congress, Milan, Italy.

*Knight A, **Bauman E.**, Pederson D. and Adams, R. (2014, August). *The birth of 'SimDonkey': the development of a high fidelity donkey patient simulator.* Presentation at the World Congress on Alternatives and Animal Use in the Life Sciences, Prague.

*Ralston-Berg, P., and **Bauman, E. B.** (2014, August). *Are Games and Simulations a Good "Fit" for Your Curriculum?* Discussion at the 30th Annual Conference on Distance Teaching & Learning, Madison, WI.

*Sisk, R. and **Bauman, E. B.** (2014, August). *Leveraging virtual environments for cultural competency training.* Presentation at the 30th Annual Conference on Distance Teaching & Learning, Madison, WI.

✦**Bauman**, E. B. (2014, July). *Clinical readiness through gaming and simulation: Where are we heading.* Presentation at the 2nd Annual Central Simulation Committee Meeting & Simulation Technician Training Workshop. Naval Medical Center & Virginia Modeling, Analysis, and Simulation Center, Portsmouth, Virginia.

***Bauman, E.B.**, Adams, R.A., Pederson, D., Vaughan, G., Squire, K., et al (2014, June). *Building a better donkey: A game-based layered learning approach to veterinary medical education.* Workshop at Games+Learning+Society 10.0, Madison, WI.

*Bennett, J., Horras, D., **Bauman, E.B.**, Leighton, K., and Pederson, D. (2014, June). Build it and they might come: *How a simulation faculty development boot camp and gorilla simulation transformed a campus.* Presentation at the 13th Annual International Nursing Simulation/Learning Resources Centers Conference, Orlando, FL.

✦**Bauman, E.B.** (2014, April). *Game–Based Teaching and Learning for Nursing and Healthcare Education.* Keynote at the 2nd Annual National League of Nursing/ Boise State University Simulation Conference: Exploring New Ideas in Simulation, Boise, ID.

✦**Bauman, E.B.** (2014, April). *EMS Simulation: An interprofessional perspective.* Workshop at the 2nd Annual National League of Nursing/ Boise State University Simulation Conference: Exploring New Ideas in Simulation, Boise, ID.

*Sisk, R. and **Bauman, E. B.** (2014, April). *Leveraging virtual environments for cultural competency training.* Presentation at Virtual Worlds Best Practices in Education, Second Life.

✦Foronda, C. & **Bauman, E.** (2014, April). *Strategies to incorporate virtual simulation in nurse education.* Presentation at University of Massachusetts Dartmouth Teaching & Learning with Technology, Dartmouth, MA.

*Knight, A., Adams, R., Pederson, D., and **Bauman, E.B.** (2014, March). *The birth of 'SimDonkey': The development of a high fidelity donkey patient simulator*. Poster presented at the 2014 International Veterinary Simulation in Teaching (INVEST) conference, St. Kitts, West Indies.

*Dascanio, J., **Bauman E.B.**, Pederson, D., Knight, A., Adams, R. (2014, March). The creation of a model for teaching bovine obstetrics using 3-D printing technology. Poster presented at the 2014 International Veterinary Simulation in Teaching (INVEST) conference, St. Kitts, West Indies.

✦**Bauman, E.B.** (2014, March). *From apps to robotics: A layered learning approach.* Presentation at the 2014 International Veterinary Simulation in Teaching (INVEST) conference, St. Kitts, West Indies.

*Foronda, C., Gattamorta, K., Snowden, K., & **Bauman, E.** (2014, Febuary). *Use of Virtual Clinical Simulation to improve Communication Skills of Baccalaureate Nursing Students: A Pilot Study.* Poster presented at the 28th Annual Conference of the Southern Nursing Research Society, San Antonio, Texas.

*Adams, R.A., and **Bauman, E.B.** (2014, January). *Video Games: Why waste good technology on science and medicine? Gamers, virtual environments, and clinical education.* Presentation at 2014 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, San Francisco, CA.

*Adams, R.A., and **Bauman, E.B.** (2014, January). *SimDonkey: California or bust.* Presentation at 2014 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, San Francisco, CA.

***Bauman, E.B.**, Adams, R.A., Pederson, D., Knight, A., Nibblett, B., Dascanio, D., et al (January, 2014). *The veterinary medicine bone viewer*. Presentation at 2014 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, San Francisco, CA.

***Bauman, E.B.**, Adams, R.A., Pederson, D., Kaplan, B., Squire, K., et al (January, 2014). *Mobile airway learning lab*. Presentation at 2014 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, San Francisco, CA.

*Sisk, R. and **Bauman, E.B.** (January, 2014). *Leveraging Virtual Environments for Cultural Competency Training: Story Boarding Based on The Ecology of Culturally Competent Design*. Presentation at 2014 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, San Francisco, CA.

✦**Bauman, E.B.**, Taekman, J., White, K., Stapleton, G. ,Bryant, B. (2014, January). *Serious Games and Virtual Environments Arcade and Showcase.* 2014 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, San Francisco, CA.

*Niblett, B., Dascanio, J., **Bauman, E.B.**, Pederson, D., Knight, A, and Adams, R.A. (January, 2014). *The use of 3D printing to generate teaching models in veterinary medicine*. Poster at 2014 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, San Francisco, CA.

*Richter, K.J., Adams, R.A., and **Bauman, E.B.** (2014, January). *A simulation-based finale for a pain management clerkship*. Poster at 2014 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, San Francisco, CA.

*Warrington, S., **Bauman, E.B.**, Talbot, T., and Taekman. J. (2014, January). *What should I do: Q/A panel for serious games, virtual environments & educational technology*. Presentation at 2014 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, San Francisco, CA.

✦White, K., and **Bauman, E.B.** (2014, January). *Game-based learning: Why it works for IPE*. Presentation at 2014 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, San Francisco, CA.

***Bauman, E.B.**, Adams, R., and Issenberg S.B. (2013, June). *iHarvey: Designing and leveraging a mobile application for clinical learning.* 12th Annual International Nursing Simulation/Learning Resource Centers Conference Conference, Las Vegas, NV.

*Adams, R., **Bauman, E.**, and Issenberg, B. (2013, June). *The iHarvey Cardiac Assessment Application*. International Association of Medical Science Educators – Annual Association Meeting, St. Andrews, Scotland.

✦**Bauman, E.B.** (2013, June). *Game-Based Teaching.* Keynote presentation at 2013 Quest for Excellence Conference, Hagerstown Community College, MD.

*Adams, R.A., **Bauman, E.B.**, Issenberg, S.B. (2013, October). *The iHarvey mobile cardiac assessment application*. Poster presented at the 2013 Asia Pacific Meeting on Simulation in Healthcare, Shanghai, China.

*Adams, R.A., **Bauman, E.B.**, Field, J., and Smith, W. (2013, October). *Video games: Why waste good technology on science and medicine*. Poster presented at the 2013 Asia Pacific Meeting on Simulation in Healthcare, Shanghai, China.

*Richter, K., Adams, R., and **Bauman, E.B.** (2013, April). *Kill as few patients as Possible: Key concepts in pain management.* American Osteopathic College of Physical Medicine & Rehabilitation – Mid-Year Meeting, Atlanta, GA.

✦**Bauman, E.B.** (2013, March). *Game-Based Learning for Nursing and Healthcare Education.* Workshop at San Francisco State University School of Nursing, CA.

✦**Bauman, E.B.** (2013, February). *Apps & Games for Clinical and Patient Education.* Plenary session at the 33rd Annual Dialysis Conference, Seattle, WA.

***Bauman, E.B**. et al (2013, January). *Hybrid Simulation: Combining multi-method simulation for educational interventions and research protocols.* 2013 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, Orlando, FL.

***Bauman, E.B.** et al (2013, January). *Introduction to game-based and virtual environments – complimentary and synergistic integration into your simulation curriculum*. 2013 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, Orlando, FL.

✦**Bauman, E.B.**, Taekman, J., Bryant, B. (2013, January). *Serious Games and Virtual Environments Showcase.* 2013 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, Orlando, FL.

*Dong, Y., Taekman, J.M., Kardong-Edgren, S., **Bauman, E.B.**, White, K., Reeves, J.L., Spain, A. (2013, January). *Social Media and Medical Simulation.* 2013 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, Orlando, FL.

✦**Bauman, E.B.** (2012, November). *Game-Based teaching and learning for clinical education.* Plenary session at the 8th Annual Magic in Teaching Conference - 20/20 Vision: Nursing Education for 2020. San Francisco, CA.

✦**Bauman, E.B.** and Dev, P. (2012, November). *Creating complimentary learning environments: Moving between virtual and mannequin-based simulation.* Workshop presented at the 8th Annual Magic in Teaching Conference - 20/20 Vision: Nursing Education for 2020. San Francisco, CA.

***Bauman, E.B.**, Dev, P., and Heinrichs, W. (2012, June). *Contemporary Created Environments: Moving from the Virtual World to the Mannikin-Based Simulation Laboratory.* Educational Poster presented at the11th Annual International Nursing Simulation/Learning Resource Centers Conference, San Antonio, Tx.

✦**Bauman, E.B.** (2012, June). *The Importance of Data Based Decisions for Curriculum Development: Why Research is Everyone's Responsibility.* Nursing Clinical Simulation as a Teaching Tool. Waukesha County Technical College, Pewaukee, WI.

✦**Bauman, E.B.** (2012, June). *Hybrid Clinical Education: Games, Sims, and Augmented Reality.* Presentation at the 8th Annual Games for Health – Ludica Medica Track. Boston, MA.

✦**Bauman, E.B.** (2012, April). *Game-Based Learning: A workshop to inform educators and engage contemporary learners.* Featured workshop at Making it Happen: Enhancing Education through Games & Storytelling - Community Nursing Staff Development Group and the University of Michigan Health System, Ann Harbor, MI.

✦**Bauman, E.B.** (2012, February). *Using Gaming and Simulation in the Dialysis Setting: Today and Tomorrow.* Presentation at the 32nd Annual Dialysis Conference San Antonio, TX.

***Bauman, E.B.** Dev, P., and Heinrichs W.L. (2012, February). *ISBAR Communication Tool Using Virtual to Mannequin Based Learning.* Presentation at the 2011 CAE Human Patient Simulation Network Conference, Tampa, FL.

✦**Bauman, E.B.**, Taekman, J., and Bryant, B. (2012, January). *Serious Games Showcase.* 2012 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, San Diego, CA.

***Bauman, E.B.**, Taekman, J., and Dong, Y. (2012, January). *Web 2.0 For Clinical Education.* 2012 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, San Diego, California.

✦**Bauman, E.B.** (2011, December). *Game-Based Learning in Clinical Education.* Stony Brook University Medical Center Fellowship in Medical Education, Stony Brook, New York.

✦**Bauman, E.B.** (2011, August). *Leveraging Technology in Medical Education.* Medsation: 1st Annual Oklahoma State University-Clinical Health Sciences Medical Education Conference, Tulsa, Oklahoma.

***Bauman E.B.** and Thompson. (2011, June). *Preparing Learners for Future Experiences using Game-Based Learning.* 10th Annual International Nursing Simulation/Learning Resource Centers Conference, Orlando, FL.

✦**Bauman, E.B.** (2011, May). *Leveraging the Potential of Game-Based Learning for Clinical Education.* Oklahoma Health Care Workforce 5th Annual Simulation Conference: Best Practices in Simulation, May 2011, Oklahoma City, OK.

✦**Bauman, E.B.** (2011, May). *Applying Contemporary Theory for Game-Based Learning to [Multi-Disciplinary Clinical Education] Medical Education.* 7th Annual Games for Health – Ludica Medica Track. Boston, MA

✦**Bauman, E.B.** (2011, April). *Instructional Online Gaming.* WI-TECNE Year Five Conference on eLearning in Nursing, Green Bay, WI.

✦**Bauman, E.B.** and Simkins, D.W. (2011, April). *Interface Design Analysis of Online Nursing Courses*. WI-TECNE Year Five Conference on eLearning in Nursing, Green Bay, WI.

***Bauman, E.B.** and White, K. (2011, February). *Simulation-Based Resuscitation: Team Leadership.* Workshop presented at the 2011 Medical Education Technology Incorporated Human Patient Simulation Network Conference, Tampa, FL.

***Bauman, E.,** Squire, K., DeVane, B., Wolfenstein, M. (2011, January). *Game-Based Learning for Clinical and Patient Education: Availability and Integration.* 2011 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, New Orleans, LA.

✦**Bauman, E.,** et al (2011, January). Serious Games for Healthcare Arcade (facilitator, presenter). 2011 Society for Simulation in Healthcare, International Meeting on Simulation in Healthcare, New Orleans, LA.

✦Schaefer, J.J., Cason, C.L., **Bauman, E.B.**, Glavin, R.J., Navedo, D.D. (2011, January). *Instructional Design and Pedagogy Science in Healthcare Simulation.* 2011 Society for Simulation in Healthcare Consensus Summit: State of the Science, New Orleans, LA.

***Bauman, E.B.** & Barclay, A.R. (2010, October). *Games and Simulation for Healthcare: An Update*. Poster presented at the 2010 University of Wisconsin School of Medicine and Public Health Committee on Academic Staff Issues (CASI) Showcase, Madison, WI.

✦**Bauman, E.B.** (2010, October). *Game-Based Learning: Preparing teachers and learners for behavioral aspects of clinical teamwork and crisis management.* Workshop at the Northern Ontario School of Medicine IPE Simulation Education Series. Sudbury, Ontario.

✦Matioc, A., and **Bauman, E.** (2010, June). *Airway Workshop: New Adjuncts, Devices and Techniques for Routine Airway Management.* A workshop presented at the 42nd Annual Emergency Care and Trauma Symposium, Wisconsin Dells, WI.

✦Matioc, A., and **Bauman, E.** (2010, June). *Adjuncts and Gadgets for Airway Management.* Invited speaker at the 42nd Annual Emergency Care and Trauma Symposium, Wisconsin Dells, WI.

***Bauman E.B.** and Waddington, R. (2010, June). *Games and Simulation for Healthcare: Past, Present, and Future – An Expert Panel.* 9th Annual International Nursing Simulation/Learning Resource Centers Conference, Las Vegas, NV.

*Halverson, R., Wolfenstein, M., Millar, S., Patterson, J. and **Bauman, E.** (2010, June). *Progression: Advancing the Development and Adoption of Games for Learning.* Panel presented at the Games, Learning, Society 6.0 Conference, Madison, WI.

✦**Bauman, E.B.** and Barklay A. (2010, March). *Games and Simulation for Healthcare.* Presentation sponsored by the University of Wisconsin School of Medicine and Public Health CASI, Madison, WI.

***Bauman, E.B.** and Stephenson, L. (2010, March). *Games-Based Learning: Preparing your Students for Simulation.* Workshop presented at the 2010 Medical Education Technology Incorporated Human Patient Simulation Network Conference, Tampa, FL.

✦**Bauman, E.B.** (2010, March). *Developing a Simulation Based Resuscitation Curriculum.* Visiting Professor presentation, University of Florida – Gainesville.

✦**Bauman, E.B.** and Kahol, K. (2010, January). *Examining Contemporary Theory, Environment, and Resources for Virtual Reality and Game-based Learning.* Presented at the 2010 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, Phoenix, AZ.

✦**Bauman, E.B.**, Barclay, A., and Mihai, A. (2010, January). *Games & Simulation for Healthcare – an Online Library and Database.* Presented at the 2010 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, Phoenix, AZ.

***Bauman, E.B.**, Joffe, A.M., DeVries, S.A., Lenz, L., Hetzel, S.J., Seider, S.P., and Han, S. (2010, January). *Simulation-based evaluation of an ergonomically designed face mask among novice users*. Scientific poster presented at the 2010 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, Phoenix, AZ.

***Bauman, E.B.**, Joffe, A.M., Liew, E.C., and Seider, S.P. (2010, January). *Simulation-based training to teach paramedics how to place and intubate through the single use LMA-Fastrach*^{TM}. Scientific poster presented at the 2010 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, Phoenix, AZ.

✦ **Bauman, E.B.** (2009, October). *Simulation-based Evaluation of an Ergonomically Designed Face Mask among Novice Users.* Presentation for Wisconsin Western Technical College and the LaCrosse Chapter of the American Association of Respiratory Care. LaCrosse, WI.

✦**Bauman, E.** and Games, I. (2009, June). *Teaching Cultural Competence in Web-Based Communities.* Presented at the International Nursing Association for Clinical Simulation and Learning 8thAnnual International Nursing Simulation/Learning Resource Centers Conference, St Louis, MO.

*Saini, G. Seider, S., Barclay, and **Bauman, E.** (2009, June*). Building a Library for Games and Simulation in Healthcare: A Continual Work in Progress.* Poster presented at Games+Learning+Society 5.0 Conference, Madison, WI.

Bauman, E., Barclay, A., Dieterle, U., Saini, G., and Seider, S. (2009, April). *Games and simulation for healthcare: Building a library for clinicians and educators.* Poster presented at the 2009 Medical Education Day at the University of Wisconsin School of Medicine and Public Health, Madison, WI.

***Bauman, E.** and Leighton, K. (2009, March). *To die or not to die? That is the Question!* Workshop presented at the 2009 Medical Education Technology Incorporated Human Patient Simulation Network Conference, Tampa, FL.

✦**Bauman, E.** (2009, January). *Some major surgeries done by robots*. Interviewed for story aired on Wisconsin Public Radio, Madison, WI.

✦**Bauman, E.** and Taekman, J., Waddington, R., Lempotang, S., Heneghan, G., & Stapleton, G. (2009, January). *State of the art in healthcare: Serious games and virtual environments*. Roundtable moderator at the 2009 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, Orlando, FL.

***Bauman, E.**, McDonald, R., Willmann, K., & Faucher, L. (2009, January). *High-fidelity simulation as a mechanism for improved multi-disciplinary operating room crisis management communication: A work in progress*. Poster presented at the 2009 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, Orlando, FL.

***Bauman, E.**, Barclay, A., Dieterle, U. (2009, January). *Games and simulation for healthcare: Building a library for clinicians and educators.* Poster presented at the 2009 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, Orlando, FL

***Bauman, E.** (2008, December). *Simulation-based education: Developing scenarios and the importance of debriefing.* Workshop presented at the 2008 Midwest Medical Education Technology Incorporated Human Patient Simulation Network Conference, Chicago IL.

✦Farrell, C., & **Bauman, E.** (2008, September). *Adult simulation.* Workshop presented at the Wisconsin Society of Anesthesiologists Annual Meeting, Green Lake, WI.

✦**Bauman, E.**, Henegahn, J., & Tekancic, N. (2008, July). *Game On! The Role of Videogames & Simulation in Healthcare.* Invited panel facilitator for the 2008 Games+Learning+Society Conference, Madison, WI.

***Bauman, E.,** & Willmann, K. (2008, May). *High-fidelity simulation: Reflective and situated learning*. Workshop presented at the 2008 Teaching and Learning Symposium at the University of Wisconsin-Madison.

***Bauman, E.**, Farrell, C., & Angelini, G. (2008, April). *High-fidelity simulation as a technique for resuscitation education and evaluation*. Scientific poster presented at the 2008 University of Wisconsin School of Medicine and Public Health Committee on Academic Staff Issues (CASI) Showcase, Madison, WI.

***Bauman, E.**, McDonald, R., Willmann, K., & Faucher, L. (2008, April). *High-fidelity simulation as a mechanism for improved multi-disciplinary operating room crisis management communication: A work in progress*. Poster presented at the 2008 University of Wisconsin School of Medicine and Public Health Medical Education Day, Madison, WI.

✦**Bauman, E.** (2008, February). *Simulation: Exploring program development, clinical education, & community collaboration.* Featured speaker at the Regional Simulation Summit: Exploring the Potential for a Collaborative Simulation Learning Lab, La Crosse, WI.

***Bauman, E.**, Farrell, C., & Angelini, G. (2008, February). *Developing a simulation-based resuscitation curriculum*. Workshop presented at the 2008 Medical Education Technology Incorporated Human Patient Simulation Network Conference, Tampa, FL.

***Bauman, E.** (2008, January). *Simulation and behavioral change*. Presentation at the 2008 Annual Conference for Teachers of Nursing Practice, Madison, WI.

***Bauman, E.**, Farrell, C., & Angelini, G. (2008, January). *High-fidelity simulation as a technique for resuscitation education and evaluation.* Poster presentation at the 2008 International Meeting for Simulation in Healthcare, San Diego, CA.

✦Farrell, C., & **Bauman, E.** (2007, September). *Adult simulation.* Workshop presented at the Wisconsin Society of Anesthesiologists Annual Meeting, Sturgeon Bay, WI.

***Bauman, E.**, Hagen, S., & Stevens, C. (2007, July). *Simulation as a serious game in the health sciences*. Workshop presented at the 2007 Games, Learning, Society Conference, Madison, WI.

✦**Bauman, E.** (2007, April). *Simulation in clinical education.* Development seminar presented at Blackhawk Technical College, Janesville, WI.

*__Bauman, E.__ (2007, January). *Simulation in clinical education*. Abstract/presentation presented at the 19th Annual Conference on Nursing Education titled "Innovation and Evaluation: Opportunities and Obstacles", Madison, WI.

*__Bauman, E.__, Farrell, C., & Willmann, K. (2007, January). *High-fidelity simulation as a technique for resuscitation education and evaluation*. Poster presented at the 2007 Society for Simulation in Healthcare International Meeting on Simulation in Healthcare, Orlando, FL.

✦__Bauman, E.__, & Hansen, M. (2007, January). *Critical care nursing: Flight operations and ground transportation.* Lecture presented at the 2007 University of Wisconsin-Madison Student Nurses' Association Conference, Madison, WI.

✦__Bauman, E.__ (2006, September). *American Heart Association and current research updates for BLS*. Presentation at the University of Wisconsin School of Medicine and Public Health, Department of Anesthesiology Case Conferences, Madison, WI.

*__Bauman, E.__, & Willmann, K. (2006, June). *High-fidelity simulation in the health sciences: A hands on interactive workshop*. Workshop presented at the 2006 Games+Learning+Society Conference, Madison, WI.

*__Bauman, E.__, & Jarzemski, P. (2006, April). *Clinical simulation in the curriculum for health care professionals*. Poster presented at the 2006 University of Wisconsin-Madison School of Nursing Research Poster Fair, Madison, WI.

*__Bauman, E.__, Street, J., & Farrell, C. (2005, May). *Finding space for ACLS in a crowded curriculum.* Poster presented at the 2005 University of Wisconsin Hospital and Clinics Nursing Research Council, Madison, WI.

*__Bauman, E__. (2004, November). *Finding space for ACLS in a crowded curriculum.* Poster presented at the Association of Medical Colleges, Boston, MA.

__Bauman, E__. (2003, September). Oral testimony given before the Senate Committee on Health, Children, Families, Aging and Long-Term Care, Senate Bill 196, Wisconsin Act 273, Madison WI.

✦__Bauman, E.__ (2000, September). *Performance-enhancing drugs and the Olympics*. Guest host/discussion presented for WORT Radio Station in Madison, WI.

✦__Bauman, E.__ (1997, March). *Team approach* [conference theme]. Seminar presented at the Wisconsin Paramedic Conference on Special Event Operations, Oshkosh, WI.

✦__Bauman, E.__ (1993, February). *Emergency medical services perspective on psychiatric emergencies.* Seminar presented at conference titled "Legal Practices Concerning Individuals with Schizophrenia," sponsored by the Department of Health and Human Issues, Division of University Outreach, University of Wisconsin-Madison.

EDITORIAL/ADVISORY/REVIEW BOARDS:

2019–Present	Editorial Board – Nursing Research and Practice
2019–Present	Editor – PeerJ, The Journal of Life and Environmental Sciences
2016–2019	Editorial Board – Journal of Emergency Medicine and Intensive Care
2015–2016	Guest Editor – Clinical Simulation in Nursing – Special edition on game-based learning
2010–Present	Abstracts and Grants Reviewer – Sigma Theta Tau International
2009–Present	Contributing Editor – MedEdWorld (www.mededworld.org)
2009–2011	Editorial Advisory Board – *Teaching and Learning in 3D Immersive Worlds: Pedagogical models and constructivist approaches.* IGI Global.

PROJECTS:

2024-Present	Interactive Virtual Curriculum for Brain Death/Death by Neurologic Criteria at the University of Washington School of Medicine, Department of Neurology.
2022–Present	Distress!: A game-based mobile application for respiratory emergencies education at University of Maryland Medical Center. https://apps.apple.com/us/app/ummc-distress/id1601688354
2017–Present	Chief academic advisor and subject matter expert, Arch Virtual: • Adcadius VR Training Platform • Envision Advanced Medical/Surgical Immersive VR Simulation.
2012–2019	Research & development of enterprise and public facing simulation and multi-media educational technology solutions for medical, nursing and veterinary clinical education including mobile applications, game-based learning, virtual/augmented reality, haptic simulators and 3D modeling for Fortune 500 Company.
2013–2019	Veterinary sciences simulation research and development using 3D printing.
2012–2013	iHarvey mobile application to support the Harvey® cardiopulmonary patient simulator.
2012–2014	Virtual Electronic Medical Records (EMR) to support clinical education and informatics literacy.
2011–2014	CliniSpace™ immersive, authentic, 3D virtual environments for clinical education, Innovation in Healthcare, Inc, content and technical consultant.
2010–2011	Area 9: Online clinical simulation project, McGraw-Hill, content and technical consultant.

2008–2011   Games and Simulation for Healthcare: An online library and database (http://healthcaregames.wisc.edu). Co-founder and project manager.

ORGANIZATIONS:

Boards
- Friend's of Devil's Lake Board of Directors: Member 2020–2024
- Wisconsin Games Alliance Executive Board: Co-President 2019–Present
- University of Wisconsin – Madison Nurses Alumni Organization: President 2000-2006

Academic/Professional
- Beal College: Biomedical Sciences Program Advisory Committee 2019–Present
- Wisconsin Games Alliance 2016–Present
    - Executive Committee 2018–Present
    - Steering Committee 2016–2018
    - M+Dev Conference Committee 2017–2021, 2020 & 2021 Conference Chair
    - Educational Track Conference Committee Chair 2017–2018
    - Sponsors Chair 2017–2021
- Higher Education Video Game Alliance 2015–2018
- Wisconsin State Fire Chiefs Association 2012–Present
- International Nursing Association for Clinical Simulation and Learning, 2009–2019
- Society for Simulation in Healthcare, 2006–Present
    - Nominations Committee 2019–2020
    - Academy Fellow 2017–Present
    - Research Committee, Liaison to the Technology Committee, 2015-2017
    - Serious Games and Virtual Environments Arcade & Showcase Czar, 2015–2019
    - Co-Chair Serious Games Special Interest Group, 2010–2015
    - Chair Website Committee, 2011
    - Member Website Committee, 2011-2016
    - Member Communication Oversight Committee, 2011–2016
    - Vice-Chair Publications and Communications, 2010–2011
    - Chair Communications Task Force, 2010–2011
- Games+Learning+Society, 2005–2017
- Sigma Theta Tau, International Honor Society for Nursing – Beta Eta, 2001–Present
    - Scholarship Committee, 2019–Present
- University of Wisconsin-Madison School of Nursing, Nurses' Alumni Organization (NAO):
    - NAO Newsletter Managing Editor, 2004–2010
    - Past President, 2006–2010
    - President, 2000–2006
    - President-elect, 1999–2000
    - Co-chair, Student Activities, 1998–1999
    - Board of Visitors, 1997–1998

Student/Academic
- Games+Learning+Society, 2005–2017
- University of Wisconsin-Madison Student Nurses' Association, 1992–1994

- Midwest Sociological Society, 1988–1989
- Student/Faculty Advisory Committee, UW-Madison Department of Sociology, 1988–1989
- Wisconsin Student Association, 1987–1988

HONORS/AWARDS/SPECIAL RECOGNITION:

2023 Annual Serious Play Competition – Gold Medal award for Healthcare Digital Simulations: "Distress!" a digital game-based application for improving hospital response to deteriorating patients. September 2023.

2022 Sigma Theta Tau International Society of Nursing (Sigma) Top Volunteer, April 18, 2022

2020 National Registry of Emergency Medical Technicians recognition for thirty years of National Registry certification and community service, September 2020

2020 3rd Place Poster Presentation: *A rubric to measure nurse-to-physician ISBAR communication.* International Nursing Association for Clinical Simulation Virtual Conference, June 24-26, 2020.

2020 Certificate of Appreciation for research abstract reviewing, 31st International Nursing Research Congress – Sigma Theta Tau International Honor Society of Nursing.

2018 13th Annual I/ITSEC Serious Games Showcase & Challenge (SGS&C) finalist: *App-Clinic – Saving Lives!* Mobile game for basic life support (CPR) education in a situated simulated emergency scenario.

2018 Annual Serious Play Competition – Gold Medal award, Corporate, Healthcare, Government, Museum Games for Use in Training: *App-Clinic – Saving Lives!* Mobile game for basic life support (CPR) education in a situated simulated emergency scenario.

2018 Clinical Simulation in Nursing – Outstanding Contribution in Reviewing

2018 Society for Simulation in Healthcare Leadership Award: In recognition of outstanding leadership in healthcare professions education through the development of game-based learning and virtual environments, January 2018

2018 Best-in-Show: 8th Annual Serious Games & Virtual Environments Arcade at 2018 International Meeting on Simulation in Healthcare for *Virtual Reality Airway Learning Lab: Use case for virtual reality in clinical education* (Large Company/Intensive Resources Division), January 2018

2017 Certificate of Appreciation: Sigma Theta Tau International, October 2017

2017 Certificate of Appreciation: Uniformed Services University of Health Sciences, June 2017

2017 Albert Nelson Marquis Lifetime Achievement Award, June 2017

2017 Best-in-Show: 7th Annual Serious Games & Virtual Environments Arcade at the 2017 International Meeting on Simulation in Healthcare for *BodyExplorer*, January 2017. (Grant Advisor for Student Category)

2017 Runner-Up: 7th Annual Serious Games & Virtual Environments Arcade at the 2017 International Meeting on Simulation in Healthcare for *SavingLives!*, January 2017. (Mentor for Student Category)

2016 Named Fellow of Society of Simulation in Healthcare Academy, November 2016

2016 Certificate for Highly Cited Research – Elsevier Publishing, November 2016

2016 Best-in-Show Award: 6th Annual Serious Games & Virtual Environments Arcade at the 2016 International Meeting on Simulation in Healthcare for MREAL: *The Beating Heart Experience, January 2016* (Large Company/Intensive Resources Division)

2015 Award of Recognition for 25 years of Service, Dane County Emergency Medical Services, February, 2015

2013 Society for Simulation in Healthcare: Award for Dedication and Service, January, 2013

2012 2nd Place – Best Poster Presentation, 11th Annual International Nursing Simulation/Learning Resources Centers Conference, June 2012

Selected: Marquis Who's Who, 2011

Society for Simulation in Healthcare: Presidential Citation for Dedication, January 2011

Award of Recognition, National Registry of Emergency Medical Technicians, June 2010

Award of Recognition, Dane County Emergency Medical Services, February 2010

Nominated: Dean's Teaching Award: University of Wisconsin School of Medicine and Public Health, April 2009

Award of Gratitude, University of Wisconsin-Madison School of Nursing, Nurses' Alumni Organization, May 2006

Award of Appreciation and Dedication, University of Wisconsin-Madison School of Nursing, May 2006

Selected: Who's Who in American Teaching, 2005

Sigma Theta Tau, International Honor Society for Nursing Inductee, March 2001

Mayor's Distinguished Service Award, City of Middleton, Wisconsin, February 1996

Outstanding Services Recognition Award in Emergency Medical Services, Middleton, Wisconsin, January 1992

ACADEMIC, PROFESSIONAL & GOVERNMENTAL COMMITTEES:

Dane County Emergency Medical Services Commission – Dane County, WI 2015–Present

Dane County Public Safety Communications Operating Practices Advisory Committee – Dane County, WI, 2009–2014

Academic Staff Executive Committee, University of Wisconsin – Madison 2009–2010

Committee for Paramedic Evaluation and Advancement, Town of Madison Fire Department, 2008–2020

Committee on Academic Staff Issues (CASI) University of Wisconsin School of Medicine and Public Health, 2008–2010

Games+Learning+Society Conference Planning Committee, University of Wisconsin School of Education, Department of Curriculum and Instruction, 2008–2010

Education Committee, University of Wisconsin School of Medicine and Public Health, Department of Anesthesiology, 2008–2010

University of Wisconsin-Madison: Undergraduate Research Scholars Advisor 2008–2010

Simulation Committee, University of Wisconsin School of Medicine and Public Health, 2006–2010

Teaching Assistant Association (TAA) Bargaining Committee Member, 2004–2007

Building Design Committee, University of Wisconsin-Madison School of Nursing. Alumni representative for the planning and design for the proposed new School of Nursing, 2003

EMS Continuing Education Committee, St. Mary's Hospital, 1999–2001

Mayor's Appointee, City of Middleton Emergency Medical Services Commission, 2000–2001

Asthma Care Committee, Group Health Cooperative (GHC), 1995–2000

Committee to develop protocol for administration of Depo Provera injections as a method of ongoing birth control for Group Health Cooperative (GHC), 1995–2000

Emergency Response Committee (GHC), 1995–2000

Professional Standards Committee, Middleton EMS, 1990–1993

PROFESSIONAL & COMMUNITY SERVICE:

Wisconsin State Fire Chiefs Association 2012–Present
    BGFD Alumni Scholarship Awards Committee 2017–Present
    Emergency Medical Services Committee 2012–2015

Middleton Emergency Medical Services (Middleton, Wisconsin)
    Vice-President, Middleton Emergency Medical Services, Inc., January 2000–January 2002
    Assistant Director of Training, 1991–1993
    Volunteer, 1990–2001