

Sharon MB Joines, PhD  
Associate Dean for Academic Strategy, College of Design  
Professor, Department of Graphic Design and Industrial Design  
North Carolina State University

#### Education

BS Industrial and Systems Engineering, 1992, North Carolina State University, Raleigh, USA  
MS Industrial and Systems Engineering, 1996, North Carolina State University, Raleigh, USA  
PhD Industrial and Systems Engineering, 2002, North Carolina State University, Raleigh, USA

#### Professional Experience (abbreviated)

Director of Research 2002-2005, Ergonomics Center of North Carolina  
Assistant Professor 2006- 2012, NCSU, Dept of Industrial Design  
Associate Faculty 2006-present, NCSU, PhD in Design  
Director 2008-present, Research in Ergonomics and Design Lab  
Associate Professor 2012-2017, NCSU, Dept of Graphic and Industrial Design  
Director of Graduate Programs, 2013- present, Industrial Design, NCSU  
Professor 2017- present, NCSU, Dept of Graphic and Industrial Design  
Associate Dean of Academic Strategy 2018 – present, NCSU, College of Design

#### Executive and Professional Education

Harvard  
Public Leadership Certificate, May, 2021, Kennedy School of Government at Harvard University, ExecEd.  
Management Development Program (MDP) June, 2022, Harvard Institutes for Higher Education (HIHE).  
NC State University  
OIED Credential, 2022  
Employment Mediation, Carolina Dispute Settlement Services, May 2018  
Intercultural Development Inventory Qualified Administrator, May 2021

#### Scholarly and Professional Honors (select)

2002 NCSU nominee for the IIE Pritsker Dissertation Award  
2011 Keynote address for the 42nd annual Conference of the Association of Canadian Ergonomist, Ontario  
2013 Keynote address for 13<sup>o</sup>ErgoDesign, Innovation for All: Design research team, toolbox, and tact, USIHC, June, Natal, Brazil.  
2014-2019, NC State University Faculty Scholar  
2015 Keynote: Universal Design: the Inclusive Student Union. 2015 Association of College Unions International Regional III Conference, Raleigh, NC.  
2016 Invited speaker, HFES ErgoX 2016 Conference, Anaheim, CA.  
2016 Outstanding Graduate Faculty Mentor Award (in Humanities and Design)  
2016 – 2017 Alumni Association Outstanding Research Award  
2017 Member of NC State’s Academy of Outstanding Faculty Mentors  
2017 Member of NC State’s Research Leadership Academy  
2019 Fellow of ACC Academic Leaders Network

#### Refereed Journal Articles (recent)

- (1) Liu, H., Kim, B., & Joines, S. (2023). Collaborative Writing in the Intelligence Community: Investigation of Analytic Collaborative Reporting Processes and Writing Strategies. *International Journal of e-Collaboration (IJeC)*, 19(1), 1-26. <http://doi.org/10.4018/IJeC.324110>.
- (2) Kim, Joines, and Feng (2022). Technology-Driven Design Process: Teaching and Mentoring Technology-Driven Design Process in Industrial Design Education. *International Journal of Technology and Design Education*. <https://doi.org/10.1007/s10798-022-09739-0>.

- (3) Kapkin and Joines (2021). The Design Brief as a Creativity Catalyst in Design Education: Priming Through Problem Statement. *The International Journal of Art & Design Education*. 40(1). p126-145. <https://onlinelibrary.wiley.com/doi/epdf/10.1111/jade.12339>
- (4) Liu, and Joines (2020). Older Adults' Experience with and Barriers to Learning New Technology: A Focus Group Study, *Gerontechnology*, 20(0), 1-17.
- (5) Kapkin and Joines (2018) An investigation into the relationship between product form and perceived meanings, *International Journal of Industrial Ergonomics*, 67, 259-273.
- (6) Sommerich, Evans, Lavender, Sanders, Joines, Lamar, Umar, Yen, and Park. (2018) "Collaborating with Sonographers and Vascular Technologists to Develop Ergonomics Interventions to Address Work-Related Musculoskeletal Disorders." *Journal of Diagnostic Medical Sonography*, doi:10.1177/8756479318810710.
- (7) Kim, Joines, Flinchum, and Fang (2018). Usability study to improve interaction design for drivers in car-sharing system, *Journal of Usability Studies*, 13(4), 220-247.
- (8) Vogel, Jameson, Tyler, Joines, Evans and Rendon (2017). The Importance of Organizational Innovation and Adaptation in Building Academic–Industry–Intelligence Collaboration: Observations from the Laboratory for Analytic Sciences, *The International Journal of Intelligence, Security, and Public Affairs*, 19 (3).
- (9) Sommerich, Lavender, Evans, Sanders, Joines, Lamar. Radin Umar, Yen, Li, Nagavarapu, and Dickerson (2016). Collaborating with cardiac sonographers to develop work-related musculoskeletal disorder interventions, *Ergonomics*. 59 (10), 1193-1204.
- (10) Sommerich, Lavender, Evans, Sanders, Joines, Lamar. Radin Umar, Yen, and Park, (2016) Collaborating with Mammographers to Address Their Work-Related Musculoskeletal Discomfort, *Ergonomics*. 59 (9),1307-1317.
- (11) Joines, James, Liu, Wang and Dunn, Adjustable task lighting: Field study assesses the benefits in an office environment, *Work*. 51, 471–481.
- (12) Rhodes, J., Laffitte, B., and Joines, S. (2011). Aesthetic Judgment and Vision: Our Associated Emotional Response to Objects, *Design Principles and Practices: an International Journal*, 5 (4), 07-622.
- (13) Wilson, R., & Joines, S. (2010). Design and obesity: The effects of tableware on eating behaviors. *Design Principles and Practices: An International Journal*, 4(6), 97-114.
- (14) Kim, H., & Joines, S. (2010). Obesity simulation suit: Subjective and physiological assessment. *Design Principles and Practices: An International Journal*, 4(4), 263-274.
- (15) Joines, S. (2010). Enhancing quality of life through universal design. *NeuroRehabilitation*, 25(4), 313-326.
- (16) Anderson, A., Mirka, G., Joines, S., & Kaber, D. (2009). Analysis of alternative keyboards using learning curves. *Human Factors*, 51(1), 35-45.
- (17) Joines, S., Sommerich, C., Mirka, G., Wilson, R., & Moon, S. (2006). Low-level exertions of the neck musculature: A study of research methods. *Journal of Electromyography and Kinesiology*, 16(5), 485-497.

#### Books and Book Chapters

- (1) Jameson, Tyler, Vogel, and Joines (2020) *Facilitating Interdisciplinary Collaboration Among the Intelligence Community, Academy, and Industry*. Cambridge Scholars Publication. ISBN: ISBN(10): 1-5275-4552-0.
- (2) Joines and Payne, (2017). Chapter 47: Universal Design. *In Occupational Therapy* (7<sup>th</sup> edition). Elsevier.
- (3) Joines, James, and Suarez. (2010). Evaluation of an Intervention to Reduce Upper Extremity Pain in Ultrasound. In Duffy (Ed.), *Advances in Human Factors and Ergonomics in Healthcare*. (pp. 114-123). Taylor & Francis.
- (4) Young, Joines, and Payne, (2009). Toward Universal Design. *In Occupational Therapy and Physical Dysfunction* (pp 429-450). Elsevier.

#### Patents

- (1) Joines, S, and Goodell, H, (2023). Breast Motion Simulator (U.S. Patent No. 11602231). U.S. Patent and Trademark Office.