

Curriculum Vitae
Denise A. Baker
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EDUCATION

2016	PhD	Arizona State University, Tempe, AZ Human and Social Dimension of Science and Technology
2012	MS	Arizona State University, Tempe, AZ Psychology
2010	BS	Arizona State University, Tempe, AZ Psychology

UNIVERSITY TEACHING & RESEARCH EXPERIENCE

2016-Present	Assistant Professor Missouri University of Science and Technology, Department of Psychological Sciences
2012-2016	NSF IGERT Fellow Alliance for Person-Centered Accessibility Technology, Arizona State University, Tempe, AZ
2015-2016	Teaching Assistant Arizona State University, Office of the President <ul style="list-style-type: none">- Assisted ASU President, Michael Crow and Co-director of the Consortium of Science Policy and Outcomes (CSPO), Dan Sarewitz, with development and grading of course materials.- Course title – Science, Technology, and Public Affairs.
2013-2014	Faculty Associate Arizona State University, School of Social and Behavioral Sciences <ul style="list-style-type: none">- Developed and taught lectures, designed and administered evaluations and assignments; met with students.- Courses included Social and Cognitive Psychology; (upper division, 50-125 students).
2010-2014	Experimental Researcher, Lab Manager Law and Cognition Lab, Arizona State University, Glendale, AZ
2010-2012	Teaching Assistant Arizona State University, New College of Interdisciplinary Studies <ul style="list-style-type: none">- Assisted with development and grading of course materials for online classes including Social Psychology, Research Methods, Introduction to Statistics, Advanced Statistics, Moral Psychology, Abnormal Psychology, and Developmental Psychology.

SPONSORED RESEARCH

2016	FUNDED: Co-PI, <i>Integration of Social Behavioral Modeling for Smart Environments To Improve Energy Efficiency of Smart Cities</i> ; NSF/NIFA – 3 years; \$802,000
2017	FUNDED: Co-PI, <i>Human-Centered Origami and Kirigami Structures for Environmental Lighting</i> , MST, Seed Funding Grant - 1 year; \$57,000
2016	PENDING: Co-PI, <i>A Human Centered Approach to Surviving Mine Disasters: Refuge and Rescue</i> ; Alpha Foundation – 4 years; \$1,947,623
2016	PENDING: Co-PI, <i>Developing A Whole-Person Approach To Orthopaedic Treatment</i> ; DOD – 2 years; \$499, 421

FUNDING & AWARDS

2012-2016	NSF, IGERT Fellowship - 4 years, \$30,000/yr; Faculty nominated and interview process
2015	Best Proposal poster - Institute for Social Science Research, ASU \$1000
2012-2013	GPSA Teaching Excellence Award - Student nominated \$1000
2010	Dean's Fellowship, Arizona State University - \$10,000; Faculty nominated

PUBLICATIONS

Baker, D.A. (July, 2017). Wearables and User Interface Design: Impacts on Beliefs in Free Will. HCI International 2017, Vancouver, BC, July, 2017.

Silvestri, S., **Baker, D.A.**, Dolce, V. (April, 2017). Integration of Social Behavioral Modeling for Energy Optimization in Smart Environments. In Proceedings of SocialSens'17, Pittsburgh, PA. doi: <http://dx.doi.org/10.1145/3055601.3055618>

Baker, D. A. (2016). Self "Sensor"ship: An interdisciplinary investigation of the persuasiveness, social implications, and ethical design of self-sensing prescriptive applications. [dissertation]. ProQuest Dissertations Publishing.

Saks, M.J., Danvers, A., Wissler, R.L., Voytyuk, M., Williams, K., **Baker, D.A.**, M. Votruba, A.M. (2016). Psychological Aspects of Food Biodesign. *Jurimetrics, The Journal of Law, Science, and Technology*, 56(2), 165-181.

Baker, D.A., Ware, J.M, Schweitzer, N.J., Risko, E. F. (2015). Making sense of research on the neuroimage bias. *Public Understanding of Science*. doi: 10.1177/0963662515604975

Baker, D.A. (2014). The 'second place' problem: assistive technology in sports and defining normal. *Science and Engineering Ethics* 22(1), 93-110. doi: 10.1007/s11948-015-9629-1

Baker, D.A. (2014). Bound to be 'normal': assistive technology, fair opportunity, and athletic excellence. Conference proceedings 2014 Institute of Electrical and Electronics Engineers Symposium on Ethics in Engineering, Science, and Technology, Ethics. Chicago, IL. doi: 10.1109/ETHICS.2014.6893420

Baker, D.A., Schweitzer, N.J., and Risko, E.F. (2013). Perceived access to self-relevant information mediates judgments of privacy violations in neuromonitoring and other monitoring technologies. *Neuroethics*, 7(1), 43-50. doi 10.1007/s12152-013-9181-0.

Baker, D.A., Schweitzer, N.J., Risko, E.F, and Wear, J. (2013). Visual Attention and the Neuroimage Bias. *PLoS ONE* 8(9): e74449. doi:10.1371/journal.pone.0074449.

Schweitzer, N.J., **Baker, D.A.**, and Risko, E.F. (2013). Fooled by the brain: re-examining the influence of neuroimages. *Cognition*, 129, 501-511. doi: 10.1016/j.cognition.2013.08.009

CONFERENCE PRESENTATIONS

Silvestri, S., **Baker, D.A.**, Dolce, V. (April 2017). Integration of social behavioral modeling for energy optimization in smart environments. To be presented at the 2017 International Workshop in Social Sensing, Pittsburg, PA.

Baker, D.A. and McGurrin, P. (Dec, 2015). Expanding the scope of Human Factors in upper-limb prosthetic technology. Poster presented at Institute for Social Science Research, ASU. Won, first place for best research proposal \$1000 prize.

Baker, D.A. (May, 2015). The internet of things, privacy, and the need for public discourse. Governance of Emerging Technologies: Law, Policy, and Ethics, Scottsdale, AZ.

Baker, D.A. and McGurrin, P. (Feb, 2015). Challenges in evaluating upper limb prosthetic technologies: Incorporating socioeconomic, psychosocial human factors. Poster presented at Third Annual ASU Rehabilitation Robotics Workshop. Tempe, AZ

Baker, D.A. (March, 2014) Bound to be "normal": Assistive technology, fair opportunity, and athletic excellence. Paper presented at the 2014 Institute of Electrical and Electronics Engineers Symposium on Ethics in Engineering, Science, and Technology, Ethics. Chicago, IL

Jones, J., **Baker, D.A.**, Schweitzer, N.J. (March, 2014). Public's perception of potential police tracking technology. Poster presented at American Psychology-Law Society Annual Conference. New Orleans, LA.

Rowden, K, **Baker, D.A.**, Schweitzer, N.J. (March, 2013). Is seeing believing? Judgments of responsibility and visual attention to neuroevidence. Poster presented at the American Psychology-Law Society Annual Conference. Portland OR.

Schweitzer, N.J., Lovis-McMahon, D., & **Baker, D.A.** (Mar, 2013). Don't say it's in the genes: arguing that biological factors cause criminal behavior may cause jurors to be harsher. Paper presented at the American Psychology-Law Society Annual Conference

Risko, E., Genelin, K., **Baker, D.A.**, & Schweitzer, N.J. (May, 2012). Grounding neuroprivacy: perception of privacy violations vary with type of monitoring. Poster presented at the Association for Psychological Science Annual Convention, Chicago, IL

Burd, K., **Baker, D.A.**, Lovis-McMahon, D. & Schweitzer, N. J. (Jan, 2012). Visual attention to neuroimage evidence and judgments of criminal responsibility. Poster presented at the Law and Social Psychology Preconference of the Society for Personality and Social Psychology, San Diego, CA.

Baker, D. A., and Schweitzer, N. J. (Jan, 2012). Accepting artificial agency in the courtroom. Poster presented at Mind Perception Preconference of Society for Personality and Social Psychology. San Diego, CA.

Baker, D.A., Hacker, R., Emery, N., Saks, M., & Schweitzer, N.J. (March, 2011). Legal television affects jurors' use of different standards of insanity in NGRI cases. Poster presented at the conference of the American Psychology-Law Society, Miami, FL.

Jenkins, A., **Baker, D.A.**, Roche, B., Saks, M., & Schweitzer, N.J. (March, 2011). The perceived helpfulness of various forms of evidence in NGRI cases. Poster presented at the conference of the American Psychology-Law Society, Miami, FL.

Baker, D.A., Jenkins, A., Emery, N., Saks, M., and Schweitzer, N.J. (March, 2010). Legal television affects jurors' use of different standards of insanity in NGRI case. Poster presented at American Psychology and Law Conference. Miami, FL

Jenkins, A.B., **Baker, D.A.**, Roche, B., Saks, M J., and Schweitzer, N.J. (March, 2010). The perceived helpfulness of various forms of evidence in NGRI cases. Poster presented at American Psychology and Law Conference. Miami, FL

RESEARCH INTERESTS

- Psychology and Emerging Technology
- Psychology and Human Factors
- Engineering Ethics
- Psychology and Smart Systems/IoT
- Perceptions of Science
- Social Cognition
- Assistive Technologies
- Technological Identities
- Public Understanding of Science
- Science Learning and Education