

IST Recent Publications
2008-2014

Author	Title	Date	Publication	Category	Project
Abich IV, J., Matthews, G., Reinerman-Jones, L. Welch, G., Lackey, S. & Hughes, C. E. Nagendran, A.	Good enough yet? A Preliminary Evaluation of Human Surrogate Interaction	2014	paper	Proceedings	HCI International 2014 (HCII2014), Crete, Greece, July 22-27
Abich, J., Reinerman-Jones, L. & Taylor, G.	Investigating workload measures for adaptive training systems	2013	Paper	Proceedings	Proceedings of the 57th Annual Meeting of the Human Factors and Ergonomics Society (HFES)
Abich, J., Reinerman-Jones, L.E., & Matthews, G.	Impact of workload and stress on unmanned system intelligence, surveillance, and reconnaissance operations	review	Co author	Journal	Journal of Experimental Psychology: Applied (JEPA)
Abich, J., Reinerman-Jones, L.E., & Taylor, G.	Establishing workload manipulations utilizing a simulated environment	2013	Co author	Chapter	R. Shumaker (Ed.), Virtual, augmented and mixed reality: Systems and applications (Vol. 8022, pp. 211-220). Berlin Heidelberg: Springer
Abich, J., Taylor, G., & Reinerman-Jones, L.	Establishing workload manipulations utilizing a simulated environment	2013	Conf paper	Proceedings	15th International Conference on Human-Computer Interaction, Las Vegas, NV
Adamashvili, G.T., Kaup, D.J., Knorr, A., Weber, C.	Influence of non-Markovian relaxation processes on self-induced transparency: memory function theory for optical solitons	2008	Paper	Journal	Phys. Rev. A 78, 013840
Adamashvilia, G.T., Kaup, D.J.	Influence of relaxations on acoustic solitons	2012	Article	Journal	Phys. Lett. A 376
Ahmad, M., Akbas, M., Turgut, D., Goldiez, B., Palaniappan, R., Dere, T.	Live, virtual, constructive simulation modeling using high performance computing	2009	Conf paper	Proceedings	Proceedings of Simulation Interoperability Workshop (09S-SIW-063). Spring, 2009. Orlando, FL
Allen, M., Morrow, P., Straeter, J., Jentsch, F., & Fiore, S.	A literature review: Investigating the fundamentals of inter- and intra-specific cognition and communication between humans and animals for application into the development of human-robot interactions in a team setting	2012	Conf paper	Conference	19th Annual International Conference on Comparative Cognition, March 7-10, 2012, Melbourne, FL
Anton, J., Wiederhold, M., Goldiez, B.	The application of modeling and simulation to the behavioral deficit of autism	2009	Conf paper	Proceedings	Modsim Conference, Norfolk, VA
Asencio, R., Carter, D. R., DeChurch, L. A., Zaccaro, S. J., & Fiore, S. M.	Charting a Course for Collaboration: A Multiteam Perspective	2013	Journal	Authors	Translational Behavioral Medicine: Practice, Policy and Research
Baker, D.P., Salas, E., Battles, J.B., King, H.B.	The relation between teamwork and patient	2012	Co author	Chapter	P. Carayon (Ed.), Handbook of Human Factors and Ergonomics in Health Care and Patient Safety, Second Edition (pp. 185-198). Boca Raton, FL: CRC Press
Barber, D. Reinerman-Jones, L.E. & Lackey, S.	Exploring Robot to Human Communication	2012	address	meeting	Department of Defense Human Factors and Ergonomics Technical Advisory Group at Dayton, OH

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Barber, D., & Hudson, I.	Distributed Logging and Synchronization of Physiological and Performance Measures to Support Adaptive Automation Strategies	2011	Chapter	Book	D. Schmorrow & C. Fidopiastis (Eds.), Foundations of Augmented Cognition. Directing the Future of Adaptive Systems (1st ed., pp. 559-566). Orlando, FL: Springer
Barber, D., & Nicholson, D.	Intelligent resource operational network (IRON) for cultural modeling	2009	Conf paper	Proceedings	18th Conference on Behavior Representation in Modeling and Simulation, March 31-April 2, 09-BRIMS-031, 144-148
Barber, D., Davis, L., Nicholson, D., Chen, J.Y.C., Finkelstein, N.	Mixed Initiative Experimental (MIX) Testbed for human robot interactions with varied levels of automation	Dec-08	Conf paper	Proceedings	26th Annual Army Science Conference, December 1-4, ADA505701
Barber, D., Hudson, I.	Distributed Logging and Synchronization of Physiological and Performance Measures to Support Adaptive Automation Strategies	2011	Conf paper	Proceedings	6th International Conference of HCI International 2011, Orlando, FL (HCI 2011), July 9-14, 2011
Barber, D., Reinerman-Jones, L., Lackey, S., & Hudson, I.	Augmenting Robot Behaviors Using Physiological Measures	2011	Chapter	Book	D. Schmorrow & C. Fidopiastis (Eds.), Foundations of Augmented Cognition. Directing the Future of Adaptive Systems (1st ed., pp. 567-572). Orlando, FL: Springer
Barber, D., Reinerman-Jones, L., Lackey, S., Hudson, I.	Augmenting Robot Behaviors Using Physiological Measures	2011	Conf paper	Proceedings	6th International Conference of HCI International 2011, Orlando, FL (HCI 2011), July 9-14, 2011
Barber, D., Reinerman-Jones, L.E., & Matthews, G.	Towards a tactile language for human-robot interaction: two studies of tacton learning and performance	2014	Co author	Journal	Human Factors: The Journal of Human Factors and Ergonomics Society
Barber, D., Schatz, S. & Nicholson, D.	AVATAR: Developing a military cultural role-play trainer	2010	Chapter	Book	D. Schmorrow & D. Nicholson (Eds.), Advances in Cross-Cultural Decision Making (Advances i.). Miami, Florida: CRC Press
Barber, D.J., Leontyev, S., Sun, B., Davis, L., Chen, J.Y.C., & Nicholson, D.	Mixed-Initiative Experimental (MIX) Testbed for collaborative human robot interactions	Jan-08	Conf paper	Proceedings	2008 International Symposium on Collaborative Technologies and Systems (CTS), January 29, 483-489
Barnes, M. J., Chen, J. Y. C., Jentsch, F., & Redden, E. S.	Designing effective soldier-robot teams in complex environments: Training, interfaces, and individual differences	2011	Chapter	book	Engineering Psychology and Cognitive Ergonomics, Lecture Notes in Computer Science, Vol. 6781, pp. 484-493, DOI: 10.1007/978-3-642-21741-8_51
Barnes, M., & Jentsch, F. (Eds.)	Human-robot interactions in future military operations	2010	editors	Book	"Human Factors in Defense." Series. Aldershot, UK: Ashgate
Barnes, M., Chen, J., Jentsch, F., Redden, E., & Light, K.	An overview of humans in autonomy for military environments: Safety, types of autonomy, agents, and user interfaces	2013	Conf paper	Proceedings	HCI International Conference, July 2013
Barnes, M., Jentsch, F., Chen, J. Y. C., Haas, E., & Cosenzo, K.	Soldier-Robot Teams: Six years of research	2010	Conf paper	Proceedings	54th Annual Meeting of the Human Factors and Ergonomics Society (pp. 1493-1497). Santa Monica, CA: Human Factors and Ergonomics Society

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Author	Title	Date	Publication	Category	Project
Barnes, M., Jentsch, F., Chen, J. Y. C., Haas, E., & Cosenzo, K.	Five things you should know about soldier – robot teaming	2008	Conf paper	Proceedings	26th Annual Army Science Conference. Orlando, FL, December 1-4, 2008
Beato, N., Mapes, D., Hughes, C.E., Fidopiastis, C., & Smith, E.	Evaluating the potential of cognitive rehabilitation with mixed reality	2009	Chapter	Conference	R. Schumaker (ed.) Virtual and Mixed Reality, Human Computer Interaction International (HCII) 2009, July 19-24, LNCS 5622, 522-531. Berlin: Springer-Verlag
Becker, W. & Schatz, S.	Higher order cognitive skills training to support contemporary military operations	2010	Presentation	Conference	Denise Nicholson & Sae Schatz (Chairs), Making the implicit explicit: Operationalizing tacit facets of scenario-based training, 54th annual meeting of the Human Factors and Ergonomics Society(HFES), San Francisco, CA, September 27-October 1 2010
Becker, W., Burke, S., Sciarini, L., Milham, L., Carroll, M.B., Schaffer, R., & Wilbert, D.	Training transfer effectiveness experimentation with the USMC Deployed Virtual Training Environment (DVTE)	2008	Chapter	Handbook	D.D. Schmorow, J.V. Cohn, & D.M. Nicholson (Eds.), The PSI Handbook of Virtual Environments for Training and Education. Vol. 3: VE Components and Training Technologies (pp. 308-323). Westport, CN: Praeger Security International
Bedwell, J.S., Gallagher, S., Whitten, S.N., & Fiore, S. M.	Linguistic correlates of self in deceptive oral autobiographical narratives	2011	Journal	Authors	Consciousness and Cognition, 20, 3
Bedwell, W., Fiore, S. M., & Salas, E.	Developing the Future Workforce: An Approach for Integrating Interpersonal Skills into the MBA Classroom	2014	Co author	Journal	Academy of Management Learning & Education
Bedwell, W.L., & Salas, E.	Computer-based training: Capitalizing on lessons learned	2010	Article	Journal	International Journal of Training and Development, 14
Bedwell, W.L., & Salas, E.	If you build it, will they interact? The importance of the instructor	2008	Article	Journal	Industrial and Organizational Psychology: Perspectives on Science and Practice. 1
Bedwell, W.L., Pavlas, D., Heyne, K., Lazzara, E.H., & Salas, E.	Toward a taxonomy linking game attributes to learning: An empirical study	2013	Article	Journal	Simulation & Gaming XX
Bedwell, W.L., Shuffler, M.L., Wildman, J., & Salas, E.	Self-directed work teams: Best practices for leadership development	2010	Co author	Chapter	R.J. Burke & M.G. Rothstein (Eds), Self-Management and leadership development, (pp. 251-293). Northampton, MA: Edward Elgar
Bedwell, W.L., Weaver, S.J., Salas, E., & Tindall, M.	Emerging conceptualization of adult training and learning	2011	Co author	Chapter	M. London (Ed.) The Oxford Handbook for Lifelong Learning (pp.450-471), Oxford: Oxford University Press, Inc
Bedwell, W.L., Wildman, J.L., DiazGranados, D., Salazar, M., Kramer, W.S., & Salas, E.	Collaboration at work: An integrative multilevel conceptualization	2013	Article	Journal	Human Resource Management Review
Birnback, D.J. & Salas, E.	Can medical simulation and team training reduce errors in labor and delivery?	2008	Article	Journal	Anesthesiology Clinics, 28

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Blasi, L., Fiore, S. M., Hedberg, J., & Schmid, R. F.	Social consequences of design and development teams in education: Insights from research toward optimal team work	2008	Chapter	Authors	Spector, et al., Handbook of Educational Communications and Technology, 3rd Edition
Blickenderfer, E., Reynolds, R., Salas, E. & Cannon-Bowers, J.A.	Shared expectations and implicit coordination in tennis teams	2010	Article	Journal	Journal of Applied Sport Psychology
Bockelman Morrow, P. & Fiore, S. M.	Team Cognition: Coordination across Individuals and Machines	2012	Chapter	Handbook	J.D. Lee & A. Kirlik (Eds.), The Oxford Handbook of Cognitive Engineering. New York: Oxford University Press (In Press)
Bockelman Morrow, P. & Fiore, S. M.	Team Cognition: Coordination across Individuals and Machines.	2013	Co author	Chapter	J. D. Lee and A. Kirlik (Eds.), The Oxford Handbook of Cognitive Engineering, Vol. 1: Foundations, Perspectives and Cognitive Issues (pp. 200-215). New York: Oxford University Press.
Bockelman Morrow, P., *Elias, J., *Streater, J., *Ososky, S., *Phillips, E., Fiore, S. M., & Jentsch, F.	Embodied Cognitive Fidelity and the Advancement of Human Robot Team Simulations	2011	Paper	Proceedings	55th Annual Meeting of the Human Factors and Ergonomics Society
Bockelman Morrow, P., Reinerman-Jones, L.E., Gallagher, S.	Methodological imperatives in neurophenomenology: Review of a baseline study and recommendations for experimental design	2012	Chapter	Book	Frontiers in Human Neuroscience (In Press)
Bockelman, P., Reinerman-Jones, L.E., Gallagher, S., & Janz, B.	Context and perception: suggestions from a space simulation study		Co author	Journal	Neuropsychologia
Bockelman, P., Reinerman-Jones, L.E., Gallagher, S., & Janz, B.	Methodological imperatives in neurophenomenology: Review of a baseline study and recommendations for research approaches	2013	Co author	Journal	Frontiers in Neuroscience
Börner, K., Contractor, N., Falk-Krzesinski, H, J., Fiore, S. M., Hall, K. L., Keyton, J., Spring, B., Stokols, D., Trochim. W., Uzzi. B.	A multi-level systems perspective for the science of team science	2010	Journal	Authors	Science Translational Medicine, 2(49)
Bowers, C., Smith, P.A., Cannon-Bowers, J., & Nicholson, D.M.	Using virtual worlds to assist distributed teams.	2008	Chapter	Handbook	P. Zemliansky, (Ed.), The Handbook of Research on Virtual Workplaces and the New Nature of Business Practices (pp. 408-423). Hershey, PA: IGI Publishing Group
Bowers, C., Vogel-Walcutt, J.J., Cannon-Bowers, J.	Role of individual differences in virtual environment-based training	2008	Chapter	Handbook	D.D. Schmorow, J.V. Cohn, & D.M. Nicholson (Eds.), The PSI Handbook of Virtual Environments for Training and Education: Vol.1: Learning, Requirements, and Metrics (pp. 31-50). Westport, CN: Praeger Security International.

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Bowers, C.A., Smith, P.A., Cannon-Bowers, J., & Nicholson, D.M.	Social psychology and massively multiplayer online learning games	2009	Chapter	Handbook	R. Ferdig (Ed.), Handbook of Research on Effective Electronic Gaming in Education (pp. 702-718). Hershey, PA: IGI Publishing Group
Burke, C.S, Lum, H., Scielzo, S., Smith-Jentsch, K., & Salas, E.	Examining measures of team cognition in virtual teams	2008	Co author	Chapter	D. Schmorrow, J.Cohn, & D. Nicholson (Eds.) The PSI Handbook of Virtual Environments for Training and Education: Developments for the Military and Beyond. Volume 1 (14), (pp. 266-283). Westport, CT: Praeger
Burke, C.S, Salas, E., Smith-Jentsch, K., Sims, V., & Rosen, M.A.	Measuring macrocognition in teams: Some practical guidelines for navigating the complexities	2010	Co author	Chapter	E.S. Patterson & J.E. Miller (Eds) Macrocognition Metrics and Scenarios (pp.) Aldershot, England: Ashgate
Burke, C.S., Hess, K.P., Priest, H.A., Rosen, M.A., Salas, E., Paley, M., & Reidel, S.	Facilitating leadership in a global community: A training tool for multicultural team leaders	2008	Co author	Chapter	S. Reddy (Ed.), Managing multicultural teams (pp. 178-197). Hyberabad, India: Icfai University Press
Burke, C.S., Priest, H.A., Upshaw, C., Salas, E., & Pierce, L.	A sensemaking approach to understanding multicultural teams: An initial framework	2008	Co author	Chapter	D.I.Stone, & E.F. Stone-Romero (Eds), The influence of culture on human resources management processes and practices (pp. 265-301). Mahwah, NJ: LEA
Burke, C.S., Salas, E., & Diaz-Granados, D.	The role of team learning in facilitating team adaptation within complex environments: Tools and strategies	2008	Co author	Chapter	V. I. Sessa & M. London (Eds), Work Group learning. (pp. 217-242) Mahwah, NJ: LEA
Burke, C.S., Shuffler, M., Salas, E. & Gelfand, M.	Multicultural teams: Critical team processes and guidelines	2010	Co author	Chapter	K. Lundy (Ed). Going global: Practical application and recommendations for HR and OD professional in the global workplace. (pp.46-82) San Francisco, CA: Wiley & Sons
Burnbach, D.J., & Salas, E.	Patient safety and team training	2009	Co author	Chapter	D.H. Chestnut, L.S. Polley, L.C. Tsen & C.A. Wong (Eds.) Chestnut's Obstetric Anesthesia: Principles and Practices. 4th Edition (pp. 211-221) Philadelphia, PA: Mosby
Campbell, A., Wu, A., Shumaker, R.	Multi-agent Task Allocation: Learning When to Say No	Jul-08	Conf paper	Conference	GECCO, Atlanta, GA, Association for Computing Machinery Press
Carroll, Meredith B., Roberto K. Champney, Laura M. Milham, David L. Jones, Dervon Chang and Glenn A. Martin	Development of an Instructor Aid to Diagnose Performance	Dec 2008	Conf paper	Proceedings	I/ITSEC, Orlando, FL
Champney, R., Kokini, C., Stanney, K., Lackey, S.	Usability Optimization of a Military Training System	2013	Co author	Chapter	Garci-Ruiz, M. (Ed.), Cases on Usability Engineering: Design and Development of Digital Products. IGI Global Publishing

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Champney, R., Kokini, C., Stanney, K., Lackey, S.	Usability Optimization of a Military Training System	2012	Case study	Book	Garci-Ruiz, M. (Ed.), Cases on Usability Engineering: Design and Development of Digital Products. IGI Global Publishing
Champney, R.K., Stanney, K.M., Woodman, M.D., Kokini, C, & Lackey, S.	Enhancing Infantry Training via Pedagogically Informed Strategies	2012	Conf paper	Proceedings	2012 Fall Simulation Interoperability Standards Organization (SISO) Simulation Interoperability Workshop (SIW), September 10-14, 2012
Chen, J. Y. C., Drexler, J. M., Sciarini, L. W., Cosenzo, K. A., Barnes, M. J., & Nicholson, D.	Operator workload and heart-rate variability during a simulated reconnaissance mission with an unmanned ground vehicle	Dec-08	Conf paper	Proceedings	26th Annual Army Science Conference, December 1-4, ADA504292
Chen, J.Y.C., Quin, S., Wright J., Barnes, M., Barber, D., & Adams, D.	Human-Agent Teaming for Robot Management in Multitasking Environments	2012	Conf paper	Proceedings	8th ACM/IEEE International Conference on Human-Robot Interaction, March 3-6
Chertoff, D., Goldiez, B., and LaViola, J.	Virtual experience test: a virtual environment evaluation questionnaire	2010	Conf paper	Proceedings	Proceedings of IEEE Virtual Reality 2010, 103-110
Chertoff, D., Schatz, S., McDaniel, R. & Bowers, C.	Improving presence theory through experiential design	2008	Chapter	Handbook	Presence: Teleoperators and Virtual Environments, 17(4), 405-413
Chertoff, Dustin B., Christian Jerome, Glenn A. Martin, and Bruce W. Knerr	GamePAB: A Game-based Performance Assessment Battery Application	Sep 2008	Conf paper		HFES Conference
Cooke, N. & Salas, E., (Eds.)	Best of Human Factors: Thirty classic contributions to Human Factors/Ergonomics science and engineering	2008	Co editor	Book	Santa Barbara, CA: Human Factors and Ergonomics Society
Cooke, N. J., & Fiore, S. M.	Cognitive science based principles for the design and delivery of training	2009	Chapter	Authors	Kozlowski & Salas, Learning, Training, and Development in Organizations
Cosenzo, K.A., Chen, J.Y.C., Reinerman-Jones, L.E., Barnes, M., & Nicholson, D.	Adaptive automation effects on operator performance during a simulated reconnaissance mission with an unmanned ground vehicle	2010	Conf paper	Proceedings	54th Annual Meeting of the Human Factors and Ergonomics Society (HFES)
Cosenzo, K.A., Chen, J.Y.C., Drexler, J., Reinerman-Jones, L.E., Barnes, M., Nicholson, D., & Hudson, I.	Dynamic task allocation for secure mobility to enhance soldier effectiveness	2010	Conf paper	Proceedings	Bi-Annual Army Science Conference
Coultas, C.W., Bedwell, W.L., Salas, E., & Burke, C.S.	Value sensitive coaching: The DELTA approach to coaching culturally diverse executives	2011	Article	Journal	Consulting Psychology Journal: Practice and Research, 63
Coultas, C.W., Grossmann, R. & Salas, E.	Design, delivery and evaluation of training system	2013	Co author	Chapter	G. Salvendy (Ed.). Handbook of Human Factors and Ergonomics (Fourth Edition)
Coultas, C.W., Kindel, B., Zajac, S., & Salas, E.	Nine empirical guidelines for top leadership teams in nonprofit organizations	2013	Co author	Chapter	C.L. Cooper and R. Burke (Eds.), Human Resources Management in the nonprofit sector: Purpose and Passion. Cheltenham, UK: Edward Elgar Publishing, Ltd.

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Covelli, J.M., Rolland, J., Proctor, M., Kincaid, J.P., & Hancock, P. A.	Field of view effects on performance in flight	2009	Article	Journal	International Journal of Aviation Psychology
Cuevas, H. M. Fiore, S. M., Caldwell, B. S., & Strater, L.	Augmenting Team Cognition in Human-Automation Teams Performing in Complex Operational Environments	2007	Journal	Authors	Aviation, Space, and Environmental Medicine, 78, 5
Cuevas, H. M., Zgorski, R. A., Kring, J. P., Caldwell, B. S., Null, C. H., Henwood, B. L., & Fiore, S. M.	Human Factors in Commercial Human Space Operations	2013	Paper	Proceedings	Proceedings of 57th Annual Meeting of the Human Factors and Ergonomics Society (pp. 16-20). Santa Monica, CA: Human Factors and Ergonomics Society
Cuevas, H.M. & Fiore, S.M.	Enhancing learning outcomes in computer-based training via self-generated elaboration	2014	Co author	Journal	Instructional Science
Curtis*, M.T., Jentsch, F, & Wise, J.	Aviation displays	2010	Chapter	Book	E. Salas, T. Allard, and D. Maurino (Eds.), Human Factors in Aviation (2nd Edition). Amsterdam: Elsevier
Curtis, M. T., Schuster, D. & Jentsch, F.	Fly-by-eye: Perceptual training for a visual approach aviation task	2010	Paper	Conference	118th Annual Convention of the American Psychological Association, San Diego: CA
Curtis, M. T., Schuster, D., Jentsch, F. & Swanson, R.	Usability of image generation platforms to produce oblique viewpoints	2008	Conf paper	Proceedings	5th Annual Workshop on the Human Factors of Unmanned Aerial Vehicles with special focus on The Human Factors of Imagery Analysis, Mesa, AZ
Curtis, M. T., Schuster, D., Jentsch, F., Harper-Sciarini, M. & Swanson, R.	Perceptual cue effects on distance estimation from different angles of approach	2008	Conf paper	Proceedings	52nd Annual Meeting of the Human Factors and Ergonomics Society. Santa Monica, CA: HFES
Curtis, M.T. & Jentsch, F.	Line operational simulation development tools	2010	Chapter	Book	B. Kanki, R. Helmreich, & J. Anca (Eds.), Crew Resource Management (2nd Edition). Amsterdam: Elsevier
Curtis, M.T., Jentsch, F. & Maraj, C.	How differences in spatial ability influence inexperienced users in a visual perception aviation task	2009	Conf paper	Proceedings	15th International Symposium on Aviation Psychology. Dayton, OH: Wright State University
Curtis, M.T., Maraj, C., Ritman, M. & Jentsch, F.	Investigation of the impact of feedback on decision accuracy and reaction time in a perceptual training task	2010	Conf paper	Proceedings	54th Annual Meeting of the Human Factors and Ergonomics Society. Santa Monica, CA: Human Factors and Ergonomics Society
DeChurch, L.A., Burke, C.S., Shuffler, M.L., Lyons, R., Doty, D., & Salas, E.	A historimetric analysis of leadership in mission critical multiteam environments	2011	Article	Journal	The Leadership Quarterly, 22
DeChurch, L.A., Hiller, N.J., Morse, T., Doty, D. & Salas, E.	Leadership across levels: Levels of leaders and their levels of impact	2010	Article	Journal	The Leadership Quarterly, 21
Deering, S., Rosen, M.A., Salas, E., & King, H.B.	Building team and technical competency for obstetric emergencies: The Mobile Obstetric Emergency Simulator (MOES)	2009	Article	Journal	Simulation in Healthcare, 4(3)

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DeKeyrel, J. S., & Lackey, S. J.	Predicting Business Process Performance with "Real World" Queuing	2011	Conf paper	Proceedings	Interservice/Industry Simulation, Training, and Education Conference 2011, (IITSEC 2011), November 28-December 1, 2011
Del Giudice, K., Vogel-Walcutt, J.J., Bowers, C.A., & Nicholson, D.	Using a video game as an advanced organizer: Effects on development of procedural and conceptual knowledge, cognitive load, and casual adoption	2008	Chapter	Journal	Journal of Research on Technology in Education
Descheneaux, C. R., Reinerman-Jones, L.R., & Barber, D.	Hemispheric differences in spatial ability in robot to human tactile communication	2013	Paper	Proceedings	Proceedings of the 57th Annual Meeting of the Human Factors and Ergonomics Society (HFES)
DiazGranados, D., Lazzara, E.H., Lyons, R., Wooten, II, S.R., & Salas, E.	Team performance decay: Why does it happen and how to avoid it?	2013	Co author	Chapter	W. Arthur, Jr., E.A.Day, W. Bennett, Jr. & A.M. Portrey (Eds.) Individual and team skill decay: State of the science and implications for practice. Taylor Francis
Dieker, L. A. Lingnugaris-Kraft, B. Hynes, M. & Hughes, C. E.	Mixed reality environments in teacher education: Development and future applications	2014	Co author	Chapter	Distance Education Delivery: Preparing Special Educators in and for Rural Areas. American Council for Rural Special Educators, Eds. B. Collins & B. Ludlow
Dieker, L. A., Rodriguez, J., Lingnugaris-Kraft, B., Hynes, M., & Hughes, C. E.	The Future of Simulated Environments in Teacher Education: Current Potential and Future Possibilities	2014	Co author	Journal	Teacher Education and Special Education, 37(1), 21-33
Dieker, L. A., Straub, C., Hughes, C. E., Hynes, M. C. & Hardin, S. E.	Virtual environments can take us virtually anywhere	2014	Co author	Journal	Educational Leadership, 71(8), 54-58
Dietz, A. S., Weaver, S. J., Sierra, M. J., Bedwell, W. L., Salas, E., Fiore, S. M., Smith-Jentsch, K., & Driskell, J.	Unpacking the Temporal and Interactive Effects of Stress on Individual and Team Performance	2010	Paper	Proceedings	54th Annual Meeting of the Human Factors and Ergonomics Society
Drexler, J.M., & Reeves, L. M.	New kids on the block: Multi-dimensional perspectives on augmented cognition.	Sep-08	Conf paper	Proceedings	52nd Annual Conference of the Human Factors and Ergonomics Society, September 22-26, 52(3), 154-156. Santa Monica, CA: Human Factors and Ergonomics Society (HFES)
Drexler, J.M., Kennedy, R.S., & Malone, L.	Virtual environment sickness and implications for training	2008	Chapter	Handbook	D.D. Schmorow, J.V. Cohn, & D.M. Nicholson (Eds.), The PSI Handbook of Virtual Environments for Training and Education. Vol.2: VE Components and Training Technologies (pp. 219-239). Westport, CN: Praeger Security International
Driskell, J., & Salas, E.	Affective measurement of performance	2008	Co author	Chapter	D. Schmorow, J.Cohn, & D. Nicholson (Eds.), The PSI Handbook of Virtual Environments for Training and Education: Developments for the Military and Beyond. Volume 1 (20), (pp. 362-375). Westport, CT: Praeger

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Driskell, J.E., Salas, E., & Driskell, T.	Social indicators of deception	2013	Article	Journal	Human Factors
Driskell, J.E., Salas, E., & Hughes, S.	Collective orientation and team performances: Development of an individual differences measure	2010	Article	Journal	Human Factors, 52
Dunne, R., Schatz, S., Fiore, S. M., Martin, G., & Nicholson, D.	Scenario-Based Training: Scenario Complexity	2010	Paper	Proceedings	54th Annual Meeting of the Human Factors and Ergonomics Society
Dunne, R., Schatz, S., Fiore, S. M., Nicholson, D., Fowlkes	Optimizing decision preparedness by adapting scenario complexity and automating scenario generation	2010	Paper	Proceedings	MODSIM World Conference and Expo 2010
Durlach, Paula J., Heather Priest, Glenn A. Martin and Jay Saffold	Developing Collective Training for Small Unmanned Aerial Systems Employment	Oct 2009	Conf paper		ModSim World, Virginia Beach, VA
Elias, J. & Fiore, S. M.	Commentary on the Coordinates of Coordination and Collaboration	2012	Chapter	Authors	Theories of Team Cognition: Cross-Disciplinary Perspectives, Applied Psychology Series, New York: Taylor & Francis
Elias, J. & Fiore, S. M.	Commentary on the Coordinates of Coordination and Collaboration	2012	Co author	Chapter	E. Salas, S. M. Fiore, & M. Letsky (Eds.), Theories of Team Cognition: Cross-Disciplinary Perspectives. Applied Psychology Series (571-595). New York: Taylor & Francis
Elias, J., Bockelman Morrow, P., Streater, J., Gallaher, S., & Fiore, S. M.	Towards Triadic Interactions in Autism and Beyond: Transitional Objects, Joint Attention, and Social Robotics	2011	Paper	Proceedings	55th Annual Meeting of the Human Factors and Ergonomics Society
Elis, C., Babenko, P., Goldiez, B., Daly, J., Martin, G.	Dynamic terrain for multiuser real-time environments	2010	Article	Periodical	IEEE Computer Graphics and Applications (Jan/Feb, 2010), 80-84
Ellis, Christopher, Pavel Babenko, Brian Goldiez, Jason Daly and Glenn A. Martin	Dynamic Terrain for Multiuser Real-Time Environments	Jan 2010	Paper		IEEE Computer Graphics & Applications
Erbiceanu, E. Mapes, D. & Hughes, C. E.	Modeling Attention and Interaction in Small Groups of Virtual Characters	2014	Co author	Chapter	Non-Verbal communication in Virtual Worlds, Eds. J. Tanenbaum, M. Nixon & M. Seif el-Nasr, ETC Press, Carnegie-Mellon, Chapter 16, 269-287
Evans, III, A. W., & Jentsch, F.	Future of HRI: Alternate research trajectories and their influence on the future of unmanned systems	2010	Chapter	Book	M. Barnes & F. Jentsch (Eds.), Human-robot interactions in future military operations. Aldershot, UK: Ashgate
Evans, III, A. W., & Jentsch, F.	ROV Target Identification Issues: The effects of motion on identification.	2008	Conf paper	Proceedings	5th Annual Workshop on the Human Factors of Unmanned Aerial Vehicles: with Special focus on the Human Factors of Imagery Analysis, Phoenix/Mesa, AZ

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Author	Title	Date	Publication	Category	Project
Falk-Krzesinski, H. J., Börner, K., Contractor, N. S., Cummings, J., Fiore, S. M., Hall, K. L., Keyton, J., Spring, B., Stokols, D., Trochim, W., Uzzi, B.	Advancing the science of team science	2010	Journal	Authors	Clinical and Translational Science 3, 5
Falk-Krzesinski, H.J., Contractor, N., Fiore, S.M., Hall, K.L., Kane, C., Keyton, J., Klein, J.T., Spring, B., Stokols, D. and Trochim, W.	Mapping a Research Agenda for the Science of Team Science	2011	Journal	Authors	Research Evaluation 20
Fautua, D. & Schatz, S.	Military Decision-Making and the Challenge of Institutionalizing the "New" vs. "News"	2012	Article	Journal	Journal of cognitive engineering and decision making, Special issue on exploring cognitive readiness in complex operational environments: advances in theory and practice
Fautua, D., Schatz, S., Kobus, D., Spiker, V. A., Ross, W., Johnston, J. H., Nicholson, D., & Reitz, E. A.	Border Hunter Research Technical Report (IST-TR-10-01)	2010	Tech report	Publication	Orlando, FL: University of Central Florida, Institute for Simulation & Training
Fernandez, R., Koslowski, S.W.J., Shapiro, M.J., & Salas, E.	Toward a definition of teamwork in emergency medicine	2008	Article	Journal	Academic Emergency Medicine, 15
Fidopiastis, C. & Nicholson, D.	User-in-the-loop adaptive system design: Information fusion examples for visualizing and measuring biophysiological states	Jul-08	Abstract	Conference	2nd International Conference on Applied Ergonomics, July 14-17, Las Vegas, NV
Fidopiastis, C. M. & Weiderhold, M.	Mindscape retuning & brain reorganization with hybrid universes: The future of virtual rehabilitation	2008	Chapter	Handbook	D.D. Schmorow, J.V. Cohn, & D.M. Nicholson (Eds.), The PSI Handbook of Virtual Environments for Training and Education. Vol. 3: VE Components and Training Technologies (pp. 427-434). Westport, CN: Praeger Security International
Fidopiastis, C. M., Drexler, J. M., Barber, D., Cosenzo, K. A., Barnes, M. J., Chen, J. Y. C., & Nicholson, D.	Impact of automation and task load on unmanned system operator's eye movement patterns	2009	Chapter	Book	D.D. Schmorow, I.V., Estabrooke, & M. Grootjen (Eds.), Foundations of Augmented Cognition: Neuroergonomics and Operational Neuroscience, Human Computer Interaction International (HCII) 2009, July 19-24, LNAI 5638, 229-238. Berlin: Springer-Verlag
Fidopiastis, C.M., Schatz, S., & Nicholson, D.	A brief look: AugCog past and future	2009	Article	Periodical	Frontiers in Neuroscience, 3(1), 140-141
Fidopiastis, C.M., Vartak, A.A., Bowers, C.A., Nicholson, D.M., & Schmorow, D. D.	A framework for validating adaptive instructional trainers using psychophysiological measures	Sep-08	Conf paper	Proceedings	Proceedings of the 7th International Conference on Psychophysiology in Ergonomics, September 21, New York City, NY
Fiedler, B., Goldiez, B., Sotomayor, T. Estes, J., Washburn, D.	Developing data exchange protocol standards for healthcare simulators	2011	Paper	Conference	Medbiquitous Annual Conference. Paper presented at Johns Hopkins University, Baltimore, MD

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Author	Title	Date	Publication	Category	Project
Fincannon, T, Evans, III, A. W., Jentsch, F, & Keebler, J.	Interactive effects of spatial ability and shared visual resources in the prediction aerial vehicle backup behavior using multiple unmanned vehicles	2008	Conf paper	Proceedings	5th Annual Workshop on the Human Factors of Unmanned Aerial Vehicles. Apache Junction, Arizona, May 13-15
Fincannon, T, Evans, III, A. W., Jentsch, F, & Keebler, J.	Interactive effects of backup behavior and spatial abilities in the prediction of teammate workload using multiple unmanned vehicles	2008	Conf paper	Proceedings	52nd Annual Meeting of the Human Factors and Ergonomics Society: Santa Monica, CA: HFES
Fincannon, T, Evans, III, A. W., Jentsch, F, Phillips, E., & Keebler, J.	Effects of sharing control of Unmanned Vehicles on backup behavior and workload in distributed operator teams	2009	Conf paper	Proceedings	53rd Annual Meeting of the Human Factors and Ergonomics Society: Santa Monica, CA: HFES
Fincannon, T, Evans, III, A. W., Phillips, E., Jentsch, F, & Keebler, J.	Team size and communication modality in the prediction of team effectiveness with unmanned systems	2009	Conf paper	Proceedings	53rd Annual Meeting of the Human Factors and Ergonomics Society. Santa Monica, CA: HFES
Fincannon, T, Evans, III, A.W., Jentsch, F, & Keebler, J.	Dimensions of spatial ability and their influence on performance with unmanned systems	2010	Chapter	Book	D. H. Andrews, R. P. Herz, & M. B. Wolf (Eds.), Human Factors in Defense: Human Factors in Combat Identification (pp. 67 - 81). Aldershot, UK: Ashgate
Fincannon, T, Keebler, J., Ososky, S. Evans, III, A.W., & Jentsch, F.	Influence of UGV operator spatial ability on a UAV teammate's reconnaissance report	2008	Paper	Conference	118th Annual Meeting of the American Psychological Association, San Diego, CA
Fincannon, T, Ososky, S., Keebler, J., & Jentsch, F. (2011).	Acquisition of skill sets and mental models over time	2011	Chapter	book	D. B. Kaber & G. Boy (Eds.), Advances in Cognitive Ergonomics (pp. 597-606). Boca Raton, FL : CRC Press/Taylor & Francis
Fincannon, T., Jentsch, F., Sellers, B., & Keebler, J. R.	Beyond "Spatial Ability": Examining the impact of multiple individual differences in a perception-by-proxy framework	2012	Conf paper	Proceedings	7th ACM/IEEE International Conference on Human-Robot Interaction. Boston, MA
Fincannon, T., Jentsch, F., Sellers, B., & Talone, A.	Best practices in human operation of robotic/unmanned vehicles: A technical review of recommendations regarding the human-to-robot ratio	2013	Paper	Proceedings	Proceedings of the Human Factors and Ergonomics Society Annual Meeting, 57(1), 1268-1272
Fincannon, T., Keebler, J. R., & Jentsch, F.	Examining external validity issues in research with human operation of unmanned vehicles	2014	Co author	Journal	Theoretical Issues in Ergonomic Science. doi:10.1080/1463922X.2012.713037
Fincannon, T., Keebler, J. R., Jentsch, F., & Curtis, M.	The Influence of camouflage, obstruction, familiarity, and spatial ability on target identification from an unmanned ground vehicle	2013	Co author	Journal	Ergonomics, 56(5), 739-751. doi:10.1080/00140139.2013.771218
Fincannon, T., Keebler, J. R., Jentsch, F., & Curtis, M.	Influence of camouflage, obstruction, familiarity, and spatial ability on target identification from an unmanned ground vehicle	2013	Article	Journal	Ergonomics
Fincannon, T., Keebler, J. R., Jentsch, F., & Evans, III, A. W.	Target identification support and location support among teams of unmanned system operators	2008	Conf paper	Proceedings	26th Annual Army Science Conference. Orlando, FL, December 1-4, 2008
Fincannon, T., Keebler, J., & Jentsch, F.	Examining external validity issues in research on the human operation of unmanned vehicles.	2012	Article	Journal	Theoretical Issues in Ergonomic Science

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Author	Title	Date	Publication	Category	Project
Fincannon, T., Keebler, J., Jentsch, F., Phillips, E., & Evans, III, A. W.	Team size, team role, communication modality, and team coordination in the distributed operation of multiple heterogeneous unmanned vehicles	2011	Article	Journal	Journal of Cognitive Engineering and Decision Making, 5(1), 106-131
Fincannon, T., Ososky, S., Jentsch, F., Phillips, E., & Keebler, J.	Some good and bad with spatial ability in three person teams that operate multiple unmanned systems	2010	Conf paper	Proceedings	54th Annual Human Factors and Ergonomics Society. Santa Monica, CA: HFES
Fiore, S.	Situated action	2013	author	Chapter	B. Kaldis (Ed.), Encyclopedia of philosophy and the social sciences. (Vol. 18, pp. 869-871). Thousand Oaks, CA: SAGE Publications
Fiore, S. M.	Cognition and Technology: Interdisciplinarity and the Impact of Cognitive Engineering Research on Organizational Productivity	2012	Chapter	Author	Oxford Handbook of Industrial and Organizational Psychology. Oxford University Press
Fiore, S. M.	Power and Promise: Cognitive Psychology and Cognitive Technology	2008	Journal	Author	Cognitive Technology, 13(1)
Fiore, S. M.	Scientific genius: In different guises	2013	author	Journal	Nature Nature, 494(7438), p. 430
Fiore, S. M.	Interdisciplinarity as Teamwork: How the Science of Teams can inform Team Science	2008	Journal	Author	Small Group Research, 39(3)
Fiore, S. M.	Making time for memory and remembering time in motivation theory	2008	Chapter	Author	Work motivation: Past, Present, and Future. SIOP Scientific Frontiers Book Series
Fiore, S. M.	Situated Action	2013	Chapter	Author	Encyclopedia of Philosophy and the Social Sciences. Thousand Oaks, CA: Sage Publications.
Fiore, S. M. & da Costa da Silveira, A.	Cognition, Curriculum and Culture: A Preliminary Look at the Experiences of Veterans in Higher Education	2010	Chapter	Authors	Hopkins, et al., Improving College Education of Veterans
Fiore, S. M. & Harper-Sciarini, M.	Proceedings of the 10th International Conference on Naturalistic Decision Making	2011	Proceedings	Editors	Orlando, FL: NDM 2011
Fiore, S. M. & Nicholson, D.	Putting the Cart Together with the Horse: Augmenting Cognition across the Training Cycle	2007	Paper	Proceedings	4th International Conference of the Augmented Cognition Society
Fiore, S. M. & Salas, E.	Toward a science of distributed learning	2007	Book	Editors	Washington, DC: American Psychological Association
Fiore, S. M. & Smith, C.A.P., & Letsky, M.	Macro-cognition Research: Challenges and Opportunities on the Road Ahead	2008	Chapter	Authors	Macro-cognition in Teams: Theories and Methodologies. London: Ashgate Publishers
Fiore, S. M., & Salas, E.	Problems and Possibilities: Strategically Pursuing a Science of Learning in Distributed Environments	2007	Chapter	Authors	Fiore & Salas. Towards a science of distributed learning
Fiore, S. M., & Vogel-Walcutt, J.	Making Metacognition Explicit: Developing a Theoretical Foundation for Metacognitive Prompting During Scenario-Based Training	2010	Paper	Proceedings	54th Annual Meeting of the Human Factors and Ergonomics Society
Fiore, S. M., *Cuevas, H. M., & *Scielzo, S.	Understanding Metacognitive Biases in Complex Tasks	2008	Paper	Proceedings	International Conference of the Learning Sciences ICLS 2008

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Author	Title	Date	Publication	Category	Project
Fiore, S. M., *Elias, J., Gallagher, S., & Jentsch, F.	Cognition and Coordination: Applying Cognitive Science to Understand Macrocognition in Human-Agent Teams	2008	Paper	Proceedings	8th Annual Symposium on Human Interaction with Complex Systems
Fiore, S. M., *Elias, J., Salas, E., Warner, N. & Letsky, M.	From Data, to Information, to Knowledge: Measuring Knowledge Building in the Context of Collaborative Cognition	2010	Chapter	Authors	Macrocognition Metrics and Scenarios: Design and Evaluation for Real-World Teams. Ashgate Publishing: United Kingdom
Fiore, S. M., *Wiltshire, T. J., *Oglesby, J. M., O'Keefe, W. S., & Salas, E.	Complex Collaborative Problem Solving in Mission Control	2014	Co author	Journal	Aviation, Space, & Environmental Medicine, 85(4), 456-461
Fiore, S. M., Harrison, G. W., Hughes, C. E., & Rutstrom, E. E.	Virtual Experiments and Environmental Policy	2009	Journal	Authors	Journal of Environmental Economics & Management, 25
Fiore, S. M., Jentsch, F., Pavlas, D., & Rosen, M.	Conceptualizing cognition at multiple levels in support of training Team Cognitive Readiness	2012	Conf paper	Proceedings	56th Annual Meeting of the Human Factors and Ergonomics Society. Boston, MA
Fiore, S. M., Johnston, J., & McDaniel, R.	Narratology and Distributed Training: Using the Narrative form for Debriefing Distributed Simulation-based Exercises	2007	Chapter	Authors	Fiore & Salas. Towards a science of distributed learning
Fiore, S. M., McDaniel, R., & Jentsch, F.	Narrative-Based Collaboration Systems for Distributed Teams: Nine Research Questions for Information Managers	2009	Journal	Authors	Information Systems Management, 26
Fiore, S. M., McDaniel, R., *Rosen, M., R., & Salas, E.	Developing Narrative Theory for Understanding the Use of Story in Complex Problem Solving Environments	2007	Paper	Proceedings	8th International Conference on Naturalistic Decision Making
Fiore, S. M., Metcalf, D., & McDaniel, R.	Simulating Narrative: On the Application of Narrative Theory for Experiential Learning	2007	Chapter	Authors	Silberman. The Handbook of Experiential Learning
Fiore, S. M., Phillips, E., & Sellers, B. C.	A transdisciplinary perspective on hedonomic sustainability design	2014	Co author	Journal	Ergonomics in Design: The Quarterly of Human Factors Applications, 22(2), 22-29. doi:10.1177/1064804613516762
Fiore, S. M., Rosen, M. A., & Salas, E.	Uncertainty Management and Macrocognition in Teams: A Multi-disciplinary Review and Integration	2010	Chapter	Authors	Mosier, et al., Informed by Knowledge: Expert Performance in Complex Situations
Fiore, S. M., Rosen, M. A., Smith-Jentsch, K. A., Salas, E., Letsky, M. & Warner, N.	Toward an Understanding of Macrocognition in Teams: Predicting Processes in Complex Collaborative Contexts	2010	Journal	Authors	Human Factors, 52, 2
Fiore, S. M., Ross, K., & Jentsch, F.	A Team Cognitive Readiness Framework for Small Unit Training	2012	Journal	Authors	Journal of Cognitive Engineering and Decision Making, 6(3)
Fiore, S. M., Salas, E., & Pavlas, D.	A view on the history of use-inspired science in human performance research	2009	Chapter	Authors	Human performance enhancement in high risk environments. Westport, CT: Praeger Security International

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Author	Title	Date	Publication	Category	Project
Fiore, S. M., Salas, E., & Pavlas, D.	Human performance enhancement: Use-inspired science and the promise of human-technology interaction and integration	2009	Chapter	Authors	Human performance enhancement in high risk environments. Westport, CT: Praeger Security International
Fiore, S. M., Smith-Jentsch, K. A., Salas, E., Warner, N., & Letsky, M.	Toward an Understanding of Macrocognition in Teams: Developing and Defining Complex Collaborative Processes and Products	2010	Chapter	Authors, Editors	"Theoretical Issues in Ergonomic Science," 11, 4
Fiore, S. M., Wiltshire, T. J., Lobato, E. J. C., Jentsch, F. G., Huang, W. H. , & Axelrod, B.	Towards understanding social cues and signals in human-robot interaction: Effects of robot gaze and proxemics behavior	2013	Co author	Journal	Frontiers in Psychology: Cognitive Science, 4(859), 1-15. DOI: 10.3389/fpsyg.2013.00859
Fiore, S.M.	Cognition and Technology: Interdisciplinarity and the Impact of Cognitive Engineering Research on Organizational Productivity	2012	author	Chapter	S. Kozlowski (Ed.). Oxford Handbook of Industrial and Organizational Psychology. Oxford University Press
Fiore, S.M. & Salas, E.	Cognition, Competition, and Coordination: The “Why” and the “How” of the Relevance of the Sports Sciences to Learning and Performance in the Military	2008	Special Issue	Authors	Military Psychology, V.20 (Supplement 1)
Fiore, S.M. & Salas, E.	Cognition, Competition, and Coordination: Understanding Expertise in Sports and its Relevance to Learning and Performance in the Military	2008	Special Issue	Editors	Military Psychology, V.20
Fiore, S.M., Elias, J., Salas, E., Warner, N., & Letsky, M.P.	From data to information, to knowledge: Measuring knowledge building in the context of collaborative cognition	2010	Co author	Chapter	E.S. Patterson & J.E. Miller (Eds) Macrocognition Metrics and Scenarios (pp.) Aldershot, England: Ashgate
Fiore, S.M., Hoffman, R.R., & Salas, E. (2008).	Learning and performance across disciplines: An epilogue for moving multidisciplinary research toward an interdisciplinary science of expertise	2008	Article	Journal	Military Psychology, 20, (Supplement 1)
Fiore, S.M., Rodriguez, W., & Carstens,	uCollaborator: Framework for STEM Project Collaboration Among Geographically-Dispersed Student/Faculty Teams	2012	Journal	Authors	Journ of STEM Education, 13, 2
Fiore, S.M., Rosen, M., Salas, E., Burke, C.S, & Jentsch, F.	Processes in complex team problem-solving: Parsing and defining the theoretical problem space	2008	Co author	Chapter	M.P.Letsky, N.W. Warner, S.M. Fiore, C.A.P. Smith, (Eds.) Macrocognition in Teams: Theories and Methodologies. (pp 143). Hampshire, UK: Ashgate
Fiore, S.M., Rosen, M.A., Smith-Jentsch, K.A., Salas, E., Letsky, M., & Warner, N.	Toward an understanding of macrocognition in teams: Predicting processes in complex collaborative context	2010	Article	Journal	Human Factors, 52
Fiore, S.M., Smith-Jentsch, K.A., Salas, E., Warner, N., & Letsky, M.	Macrocognition in Teams: Developing and defining complex collaborative processes and products	2010	Article	Journal	Theoretical Issues in Ergonomics Science, 11
Fiorella, L., Vogel-Walcutt, J.	Metacognitive Prompting as a Generalizable Instructional Tool in Simulation-Based Training	2011	Conf paper	Proceedings	Human Factors and Ergonomics Society Conference 2011, (HFES 2011), September 19-23, 2011

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Author	Title	Date	Publication	Category	Project
Fiorella, L., Vogel-Walcutt, J. J. & Fiore, S. M.	Differential impact of two types of metacognitive prompting provided during simulation-based training	2012	Journal	Authors	Computers in Human Behavior, 28
Flores, Jaime, Glenn A. Martin and Paula Durlach	A Testbed for Exploring Human-Robot Interaction with Unmanned Aerial and Ground Vehicles	Jul 2011	Conf paper		HCI International, Orlando
Folsom-Kovarik, J. T., Schatz, S., & Nicholson, D.	Plan ahead: Pricing ITS learner models	2010	Conf paper	Proceedings	19th Behavior Representation in Modeling & Simulation Conference (BRIMS), March 22-25, 0033
Folsom-Kovarik, J. T., Schatz, S., & Nicholson, D.	Return on investment: A practical review of ITS learner modeling techniques	2011	Article	Journal	M&S Journal Winter Edition 2011, pgs 24-37
Folsom-Kovarik, J. T., Schatz, S., Sukthankar, G., & Nicholson, D.	Does this question convey information? Using trainee questions for improved modeling and training efficacy in a simulation-based intelligent tutor	2010	Conf paper	Proceedings	2010 Military Modeling and Simulation Symposium (MMS'10)
Folsom-Kovarik, J. T., Schatz, S., Sukthankar, G., & Nicholson, D.	What information does this question convey? Leveraging help-seeking behavior for improved modeling in a simulation-based intelligent tutor	2010	Conf paper	Proceedings	2010 Military Modeling and Simulation Symposium (MMS'10)
Folsom-Kovarik, J. T., Sukthankar, G., Schatz, S., & Nicholson, D.	Scalable POMDPs for diagnosis and planning in intelligent tutoring systems	2010	Conf paper	Proceedings	Proactive Assistant Agents symposium at the Association for the Advancement of Artificial Intelligence
Fontaine, Matt, Glenn A. Martin, Jason Daly and Casey Thurston	Technological and Usability-based Aspects of Distributed After Action Review in a Game-based Training Setting	July 2011	Conf paper		HCI International, Orlando
Fowlkes, J., Norman, J. & Schatz, S.	Making the most of practice: Enhancing scenario-based training with adaptive instructional strategies	2009	Session	Symposium	Denise Nicholson (Chair) Developing adaptive, intelligent scenarios to support enhanced operations training. Military Modeling and Simulation Symposium (MMS'09), San Diego, CA, March 22-27, 2009
Fowlkes, J., Norman, J. W., Schatz, S., & Stagl, K. C.	Contrasting cases: A strategy for advanced learning using simulation-based training	2009	Conf paper	Proceedings	53rd Annual Conference of the Human Factors and Ergonomics Society, October 19-23, 53(26), 1935-1938. Santa Monica, CA: Human Factors and Ergonomics Society (HFES)
Fowlkes, J., Schatz, S., Stagl, K. C. & Norman, J. W. (2010).	Domain ontology for advanced skills training.	2010	Presentation	Conference	Denise Nicholson & Sae Schatz (Chairs), Making the implicit explicit: Operationalizing tacit facets of scenario-based training, 54th annual meeting of the Human Factors and Ergonomics Society(HFES), San Francisco, CA, September 27-October 1. 2010

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Author	Title	Date	Publication	Category	Project
Fowlkes, J., Schatz, S., & Stagl, K.	Insights from applied research	2010	Conf paper	Proceedings	D. Nicholson (Session Chair) Automating instructional support for SBT: Next-generation Expeditionary Warfare Intelligent Training (NEW-IT), 2010 Military Modeling and Simulation Symposium (MMS'10)
Fowlkes, J., Schatz, S., & Stagl, K.	Instructional strategies for scenario-based training: Insights from applied research	2010	Conf paper	Proceedings	2010 Military Modeling and Simulation Symposium (MMS'10)
Fritzsche, B.A., DeRouin, R., & Salas, E.	The effects of stereotype threat and pacing on older adults' learning outcomes	2009	Article	Journal	Journal of Applied Social Psychology, 39
Funke, G.J., Knott, B.A., Salas, E., Pavlas, D., & Strang, A.J.	Conceptualization and measurement of team workload: A critical need	2012	Article	Journal	Human Factors, 54
Gabelica, C. & Fiore, S. M.	What Can Training Researchers Gain from Examination of Methods for Active-Learning (PBL, TBL, and SBL)	2013	Paper	Proceedings	Proceedings of 57th Annual Meeting of the Human Factors and Ergonomics Society (pp. 462-466). Santa Monica, CA: Human Factors and Ergonomics Society
Gallagher, S., Reinerman-Jones, L.E., Janz, B., Bruhn, M., Templar, J., & Sollins, B.	Using simulated environments in experimental studies of cognition: A study of spiritual experience during space travel	2014	Co author	Journal	<i>Theoretical Issues in Ergonomics Science</i>
Garibay, Ivan and Hollander, Christopher D	The Impact of Economic Assistance on the Technology Dynamics of Innovation Systems	2013	Paper	Proceedings	Annual meeting of the Swarmfest Development Group (Swarmfest), Orlando, Florida, July 8-9, 2013
Garibay, Ivan, Hollander, Christopher D., and O'Neal, Thomas	An Agent-Based Study on the Regional Impact of Business Incubation in Innovation Ecosystems	2013	paper	Proceedings	to The Conference of the European Social Simulation Association (ESSA)., Warsaw School of Economics, Warsaw, Poland. September 16-20, 2013
Garibay, Ivan, Hollander, Christopher D., Ford, Cameron; Lasrado, Vernet, Garibay, Ozlem and O'Neal, Thomas	A Simulation Study on the Firm-Level Impact of Business Incubation in an Innovation Ecosystem Technology Transfer Society (T2S)	2013	Paper	Proceedings	Annual Conference: Technology Transfer and Academic Entrepreneurship, Bergamo, Italy, November 8-9, 2013
Garibay, Ivan, Hollander, Christopher D., Khan, F., O'Neal, Thomas and Turgut, D.	Towards studying the impact of business incubation on regional economic performance: a high-level overview and preliminary experiment	2013	Paper	Proceedings	The Workshop on Economic Science with Heterogeneous Interacting Agents (WEHIA), Reykjavik, Iceland, June 20-22, 2013
Garibay, Ivan, Hollander, Christopher D., Ozmen, Ozlem and O'Neal, Thomas	Towards Modeling Economic Ecosystems: an Initial Model and Preliminary Validation	2013	Paper	Proceedings	Computational Social Science Society of the Americas Conference, Santa Fe, New Mexico, August 22-25, 2013
Garibay, Ivan, Ozlem Ozmen Garibay, Amanda Koontz, Lori Dunlop-Pyle and, Michael Georgiopoulos	SONET-MATH: Using Social Networks to Learn Mathematics	2013	Paper	Proceedings	Mathematical Association of America (MAA) Conference, Hartford, Connecticut, July 31-August 3, 2013

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Author	Title	Date	Publication	Category	Project
Gerdjikov, V.S., Kaup, D.J., Kostov, N.A., Valchev, T.I.	Bose-Einstein condensates and multi-component NLS models on symmetric spaces of BD-I-type. Expansions over squared solutions	Jul-08	Conf paper	Proceedings	Conference on Nonlinear Science and Complexity
Gerdjikov, V.S., Kaup, D.J., Kostov, N.A., Valchev, T.I.	On classification of soliton solutions of multicomponent nonlinear evolution equations	2008	paper	Journal	J.Phys. A: Math. Theor. 41, 315213
Ghosh, C., Wiegand, R., Goldiez, B., Dere, T.	An architecture supporting large scale MMOG	2010	Conf paper	Proceedings	DISIO 2010, ACM ICST, Torremolinos Spain
Goetz, A., Keebler, J. R., Phillips, E., Jentsch, F., & Hudson, I.	Evaluation of simulations for future HRI teams	2012	Conf paper	Proceedings	56th Annual Meeting of the Human Factors and Ergonomics Society. Boston, MA
Goldberg, B., Schatz, S., & Nicholson, D.	A practitioner's guide to personalized instruction: Macro-adaptive approaches for use with instructional technologies	2010	Conf paper	Proceedings	Applied Human Factors and Ergonomics Conference 2010 (AHFE 2010), July 17-20, 2010
Goldiez, B.	Interoperability standards for healthcare simulators	2012	Paper	Conference	Medbiquitous. Presented at Johns Hopkins University, Baltimore, MD
Goldiez, B.	PERADA interaction report (UCF and Cardiff University, Wales, UK)	2008	author	Report	European Union through Napier University, Edinburgh, Scotland
Goldiez, B. & Liarakapis, F.	Trends and perspectives in augmented reality	2008	Chapter	Handbook	J. Cohn, D. Nicholson, & D. Schmorow (eds.), The PSI handbook of virtual environments for training and education (Vol 3, pp. 278-289). Westport, CT. Praeger
Goldiez, B., Zawadski, R. Anton, J., Anton, E., Garrity, P., & Sotomayor, T.	Facilitating interoperability and standards for simulators in healthcare (S11-26)	2011	Paper	Conference	Security International Simulation Interoperability Workshop. Boston, MA
Goldiez, B., Anton, J., Garrity, P., Zawadski, R, Anton, E., Norfleet, J.	Developing data exchange protocol standards for healthcare simulators	2010	Conf paper	Syllabus	Program Syllabus, International Meeting on Simulation in Healthcare, 249
Goldiez, B., Ellaway, R., Severinghaus, R.	Simulation interoperability: past, present, and future	2012	Paper	Conference	International Meeting of Simulation in Healthcare (session 5WS.1645). Presented San Diego, CA
Goldiez, B., Sotomayor, T.	Creating an architecture and standard for simulation healthcare interoperability	2011	Tutorial	Conference	Interservice/Industry Simulation, Education, and Training Conference. Tutorial presented Orlando, FL
Goldiez, B., Sottolare, J.	The future aviation simulation strategy for the united states army	2008	Conf paper	Proceedings	Proceedings of MSG-060 Symposium on "How is Modeling and Simulation Meeting the Defence Challenges out to 2015? (NATO). Vancouver, B.C.
Goldiez, B., Tafur, S. & Palaniappan, R.	HPC sustainability plan and position paper. University of Central Florida position paper	2009	position paper	Report	http://www.cac.cornell.edu/~lifka/Downloads/SRCC/2.HPC-Sustainability-Plan-and-Position-Paper_v2.pdf
Goldiez, B., Wiegand, P., Ellis, C., Mesit, J., Liyange, J., Tafur, S., Palaniappan, R., Sottolare, S.	Interactive simulation research using high performance computing at university of Central Florida	2009			International Super Computing Conference (Poster session). May, 2009. Hamburg, Germany

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Author	Title	Date	Publication	Category	Project
Goodwin, G.F., Burke, C.S., Wildman, J.L. & Salas, E. (2009).	Team effectiveness in complex organizations: An overview	2009	Co author	Chapter	E. Salas, G.F. Goodwin, & C.S. Burke (Eds.), Team effectiveness in complex organizations: Cross-disciplinary perspectives and approaches. (pp. 3-16) Mahwah, NJ: Erlbaum
Grossman, R. & Salas, E.	Transfer of training: What matters	2011	Article	Journal	International Journal of Training and Development, 15
Grossman, R., Shuffler, M.L., & Salas, E.	Moving beyond our comfort zone: Global leadership in hostile environments	2012	Article	Journal	Industrial and Organizational Psychology, 5
Guimond, M. & Salas, E.	Linking the science of training to nursing simulation	2009	Article	Journal	Nurse Education, 34
Guimond, M., Sole, M.L., & Salas, E.	Getting ready for simulation based training: A checklist for nursing educators	2011	Article	Journal	Nursing Education Perspectives, 32
Guznov, S. Reinerman-Jones, L.E., & Marble, J.	Applicability of Situation Awareness and Workload Metrics for Use in Assessing Nuclear Power Plant Designs	2012	Conf paper	Proceedings	4th International Conference of Applied Human Factors and Ergonomics (AHFE) at San Francisco, CA
Harmon, L. J., Baumes, J., Hughes, C., Soberon, J., Specht, C. D., Turner, W., Lisle, C. & Thacker, R. W.	Arbor: Comparative Analysis Workflows for the Tree of Life	2013	Co author	Journal	PLOS Currents Tree of Life. 2013 Jun 21 [last modified: 2013 Jun 21]. Edition 1
Hayes, A. T., Straub, C. L., Dieker, L. D., Hughes, C. E. and Hynes, M. C.	Ludic Learning: Exploration of TLE TeachLivE™ and Effective Teacher Training	2013	Co author	Journal	International Journal of Gaming and Computer-Mediated Simulations, 5(2), 23-36
Hayes, A., Hardin, S. & Hughes, C. E.	Perceived Presence's Role on Learning Outcomes in a Mixed Reality Classroom of Simulated Students	2013	Paper	Proceedings	HCI International 2013 (HCII2013), Las Vegas, NV, July 21-26. In Lecture Notes in Computer Science, Volume 8022, Springer-Verlag, Heidelberg, 142-151
Higgins, N. A., & Talone, A. B.	Usability of pay-as-you-go cell phones: A cross cultural analysis	2014	Paper	Proceedings	Proceedings of the 58th Annual Meeting of the Human Factors and Ergonomics Society
Hoffman, R. R., & Fiore, S. M.	Perceptual (re)learning: A leverage point for human-centered computing	2007	Journal	Authors	IEEE Intelligent Systems, 22, 3
Hoffman, R. R., Feltovich, P. J., Fiore, S. M., Klein, G., & Ziebell, D.	Accelerated Learning (?)	2009	Journal	Authors	IEEE Intelligent Systems, 24(2)
Hoffman, R. R., Ziebell, D., Feltovich, P. J., Moon, B. M., & Fiore, S. M.	Franchise Experts	2011	Journal	Authors	IEEE Intelligent Systems, 26(6)
Hoffman, R. R., Ziebell, D., Fiore, S. M., & Becerra-Fernandez, I.	Knowledge management revisited	2008	Journal	Authors	IEEE Intelligent Systems, 23, 3
Hoffman, R., Fiore, S., Andrews, D., Goldberg, S., Andre, T., Freeman, J., Fletcher, J., Klein, G.	Accelerated learning: prospects, issues, and applications	2010	Paper	Proceedings	54th Annual Meeting of the Human Factors and Ergonomics Society

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Author	Title	Date	Publication	Category	Project
Hughes, D. E., Sabbagh, S., Lindgren, R., Moshell, J. M. & Hughes, C. E.	Mixed Reality Space Travel for Physics Learning	2013	Paper	Proceedings	HCI International 2013 (HCII2013), Las Vegas, NV, July 21-26. In Lecture Notes in Computer Science, Volume 8022, Springer-Verlag, Heidelberg. 162-169 Universal Access Handbook
Hughes, D., Smith, E. Shumaker, R., Hughes, C.	Virtual and Mixed Reality for Accessibility	2008	Chapter	Handbook	
Ilie, A. & Welch, G.	Automated camera selection and control for better training support	2013	Co author	Chapter	Foundations of Augmented Cognition (D. Schmorow and C. Fidopiastis, eds.), vol. 8027 of Lecture Notes in Computer Science, Springer Berlin Heidelberg, 50-59
Ilie, A. & Welch, G.	On-line control of active camera networks for computer vision tasks	2014	Co author	Journal	ACM Transactions on Sensor Networks 10(2), Article 25 (January 2014), 25:1–25:40
Ilie, A., Welch, G.,	On-Line Control of Active Camera Networks for Computer Vision Tasks	Aug. 2011	Conf paper	Proceedings	5th ACM/IEEE International Conference on Distributed Smart Cameras
Jaganathan, S., Clarke, T.L., Koshti, J., Kaup, D.J., Oleson, R.	Intelligent Agents: Incorporating Personality into Crowd Simulation	2007	Conf paper	Proceedings	Proceedings: Interservice/ Industry Training, Simulation, and Education Conference (I/ITSEC)
Jentsch, F. G., Evans, A. W., III, & Ososky, S.	Model world: Military HRI research conducted using a scale MOU facility	2010	Chapter	Book	Barnes, M. & Jentsch, J. (Eds.), Human-Robot Interactions in Future Military Operations (pp. 419-431). Aldershot, UK: Ashgate
Jentsch, F., Curtis, M. & Salas, E. (Eds.)	Simulation in Aviation Training: Critical Essays	2011	Co editor	Book	Hampshire, UK: Ashgate
Jentsch, F., Curtis, M., & Salas, E (Eds.)	Critical Essays on Human Factors in Aviation: Simulation in Aviation Training	2011	Essays	book	Aldershot, UK: Ashgate
Jentsch, f., Kaup, D.J., Mlone, L., Blasko-Drabik, H., Oleson, R.	Inclusion of Social and Behavioral Individual-Difference Variables in Crowd Simulations: A Literature Review and Theoretical Framework	2008	Conf paper	Proceedings	Summer Computer Simulation Conference (08SCSC), Edinburgh, Scotland]
Jentsch, F., Schuster, D., Fincannon, T., & Ososky, S.	Impact of type and level of automation on situation awareness and performance in Human-Robot Interaction	2013	Conf paper	Proceedings	HCI International Conference, July 2013
Jentsch. F., & Fincannon, T.	Multiple robot-multiple operator control and teamwork	2012	Conf paper	Proceedings	Information Technology Conference of the American Institute for Aeronautics and Astronautics (“Infotech @ AIAA”). Orange County, CA: June 2012
Jessie Y.C. Chen, Michael J. Barnes, and Zhihua Qu.	RoboLeader: an agent for supervisory control of multiple robots	2010	Conf paper	Proceedings	5th ACM/IEEE international conference on Human-robot interaction (HRI '10), March 2-5, 81-82
Johnson, R.D., Hornick, S., Salas, E.	An empirical examination of factors contributing to the creation of successful virtual learning environments	2008	Article	Journal	International Journal of Human Computer Studies, 66
Johnston, J., Fiore, S.M., Paris, C., & Smith, C. A. P.	Application of Cognitive Load Theory to Developing a Measure of Team Decision Efficiency	2013	Journal	Authors	Military Psychology

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Author	Title	Date	Publication	Category	Project
Johnston, J., Fiore, S.M., Paris, C., & Smith, C. A. P.	Application of Cognitive Load Theory to Developing a Measure of Team Cognitive Efficiency	2013	Co author	Journal	Military Psychology, 25(3), 252-265
Jolly, A., Oleson, R., Kaup, D.j.	Pedestrian Cellular Automata and Industrial Process Simulation	Sept. 2008	Conf paper	Proceedings	European Modeling and Simulation Symposium, [Amantea, Italy]
Kalisch, B., Weaver, S.J., Salas, E.	What does nursing teamwork look like? A qualitative study	2009	Article	Journal	Journal of Nursing Care Quality, 24
Kaup, D.J.	Integrable Systems and Squared Eigenfunctions	2009	Workshop	Proceedings	Nonlinear Physics: Theory and Experiment. V
Kaup, D.J. and Vogel, T.K.	Quantitative Measurement of Variational Approximations	2007	Paper	Journal	Phys. Lett. A 362, 289-97
Kaup, D.J., Clarke, T. L., Malone, L., Oleson, R. and Jentsch, F.	Introducing Age-based Parameters into Simulations of Crowd Dynamics	2008	Conf paper	Proceedings	Winter Simulation Conference, Miami, FL
Kaup, D.J., Clarke, T. L., Malone, L., Oleson, R. and Rosa, M.	Crowd Model Verification Using Video Data	2007	Conf paper	Proceedings	International Mediterranean Modelling Multiconference, Bergeggi, Italy
Kaup, D.J., Clarke, T. L., Malone, L., Oleson, R. and Rosa, M.	On the Use of Optical Flow to Test Crowd Simulations	Sept. 2008	Conf paper	Proceedings	European Modeling and Simulation Symposium, [Amantea, Italy]
Kaup, D.J., Oleson, r., Clarke, T.L.	Social Potential Models for Modeling Traffic and Transportation	2009	Chapter	Book	Multi-Agent Systems for Traffic and Transportation, IGI Global
Kaup, D.J., Van Gorder, R.A.	Inverse Scattering Transform and Squared Eigenfunctions for the Nondegenerate 3×3 Operator and Its Soliton Structure	2010	Article	Journal	Inverse Problems 26
Kaup, D.J., Van Gorder, R.A.	Resonant solitons from the 3×3 operator	2012	Article	Journal	Math. Comput. Simul.
Kaup, D.J., Van Gorder, R.A.	Squared Eigenfunctions and the Perturbation Theory for the Nondegenerate $N \times N$ Operator: A General Outline	2010	Article	Journal	J. Phys. A: Math. Theor. 43
Kaup, D.J., Yang, J.	Inverse Scattering Transform and Squared Eigenfunctions for a Degenerate 3×3 Operator	2009	Article	Journal	Inverse Problems 25
Kaup,, D. J., Clarke, T. L. Oleson, R. & Malone, L. C.	Crowd Dynamics Simulation Research	2007	Conf paper	Proceedings	16th Conference on Behavior Representation in Modeling & Simulation (BRIMS)
Keebler, J. R., Fincannon, T., Evans, III, A. W., Jentsch, F., Curtis, M.	Effects of shape memory on 1:35 scale model vehicle identification	2008	Conf paper	Proceedings	5th Annual Workshop on the Human Factors of Unmanned Aerial Vehicles. Apache Junction, Arizona, May 13-15
Keebler, J. R., Jentsch, F., & Schuster, D.	The effects of video game experience and active stereoscopy on performance in combat identification tasks	2014	Co author	Journal	Human Factors: The Journal of the Human Factors and Ergonomics Society. doi:10.1177/0018720814535248
Keebler, J. R., Jentsch, F., Fincannon, T., & Hudson, I.	Applying team heuristics to future human-robot systems	2012	Conf paper	Proceedings	7th ACM/IEEE International Conference on Human-Robot Interaction. Boston, MA

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Author	Title	Date	Publication	Category	Project
Keebler, J. R., Ososky, S., & Jentsch, F.	Gaining ground: Merging cognitive load theory with fundamental human factors principles	2010	Conf paper	Proceedings	54th Annual Human Factors and Ergonomics Society. Santa Monica, CA: HFES
Keebler, J. R., Ososky, S., Taylor, G., Sciarini, L.W., Jentsch, J.	Neuroethics and Neuroergonomics: Protecting the private brain	2010	Chapter	Book	T. Marek, W. Karwowski, & V. Rice (Eds.), Advances in understanding human performance: Neuroergonomics, human factors design, and special populations. USA: CRC Press
Keebler, J., Jentsch, F., & Hudson, I.	Developing an effective combat identification training	2011	Conf paper	Proceedings	55th Annual Meeting of the Human Factors and Ergonomics Society, Las Vegas, NV. Santa Monica, CA: Human Factors and Ergonomics Society
Keebler, J., Sciarini, L.W., Fidopiastis, C., Jentsch, F. & Nicholson, D.	Use of functional near infrared imaging to investigate neural correlates of expertise in military target identification	2009	Conf paper	Proceedings	53rd Annual Conference of the Human Factors and Ergonomics Society, October 19-23, 53(3), 151-154. Santa Monica, CA: Human Factors and Ergonomics Society (HFES)
Keebler, J., Sciarini, L.W., Jentsch, F., Fincannon, T., & Nicholson, D.M.	Effects of training modality in a virtual environment target identification task	Sep-08	Conf paper	Proceedings	52nd Annual Conference of the Human Factors and Ergonomics Society, September 22-26, 52(26), 2052-2056. Santa Monica, CA: Human Factors and Ergonomics Society (HFES)
Keebler, J.R., Jentsch, F., Sciarini, L. W., & Fincannon, T.	Using physical 3D objects as training media for military vehicle identification	2013	Co author	Journal	Journal of Ergonomics, 3(1), 1-5. doi:10.4172/2165-7556.1000112
Keebler, J.R., Sciarini, L.W., Fincannon, T., Jentsch, F., Nicholson, D.M.	A cognitive basis for vehicle misidentification	2009	Chapter	Handbook	D. Andrews, R. P. Herz, & M. B. Wolf (Eds.), Human Factors Handbook of Combat Identification. Brookfield, VT: Ashgate Publishing
Keeton, K. E., Orasanu, J. M., Fiore, S. M., Kring, J. P., & Bradshaw, J. S.	Distributed teams and distributed memory. In Weaver and Salas. Training and Measurement at the Extremes: Developing and Sustaining Expert Team Performance in Isolated, Confined, Extreme Environments	2010	Paper	Proceedings	Human Factors and Ergonomics Society
Kemper, D., Davis, L., Fidopiastis, C., & Nicholson, D.	A first step towards a generalized physiological measurement framework	Sep-08	Conf paper	Proceedings	52nd Annual Conference of the Human Factors and Ergonomics Society, September 22-26, 52(7), 615-618. Santa Monica, CA: Human Factors and Ergonomics Society (HFES)
Képuska, V.Z, Gurbuz, S., Rodriguez, W., Fiore, S.M., Carstens, D., Converse, P. & Metcalf, D.	uC: Ubiquitous Collaboration Platform for Multimodal Team Interaction Support. Journal of International Technology and Information Management, 17, 3/4	2008	Journal	Authors	Journal of International Technology and Information Management, 17, 3/4
Khan, S.A., *Streater, J.A., *Bhatia, T.S., Fiore, S.M., & Bölöni, L.	Learning social calculus with genetic programming	2013	Paper	Proceedings	Proceedings of the 26th International Florida Artificial Intelligence Research Society (FLAIRS) Conference (pp. 88-93). Menlo Park, CA: The AAAI
Kincaid, J.P. & Westerlund, K.	Simulation in education and training	2009	Paper	Proceedings	Rossetti et al., 2009 Winter Simulation Conference

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Author	Title	Date	Publication	Category	Project
Klein, C., DeRouin, R.E., Salas, E., & Stagl, K.C.	What we should know but (probably) never learned in school: Thoughts on human resource education in psychology departments	2008	Co author	Chapter	V. Gulbinas Scarpello (Ed.). The handbook of human resource management education, (pp. 69-86). Thousand Oaks, CA: Sage Publications
Klein, C., DiazGranados, D., Salas, E., Le, H., Burke, C.S., Lyons, R., & Goodwin, G.F.	Does team building work?	2009	Article	Journal	Small Group Research, 40
Kotnour, T., Landaeta, R., Lackey, S.	Defining Training System Impact Assessment Measures from a Stakeholder Perspective: Case Study of the NEW-IT Project	2013	Co author	Journal	International Journal of Technology Enhanced Learning, Volume 5, Issue 1, p. 1-23
Kotnour, T., Landaeta, R., Lackey, S.	Cross-Functional Integrated Project Teams in the R&D of Advance Training Systems: Case Study of the NEW-IT Project	2012	Article	Journal	Journal of Educational Technology Research and Development (Submitted)
Kotnour, T., Landaeta, R., Lackey, S.	Defining Training System Impact Assessment Measures from a Stakeholder Perspective: Case Study of the NEW-IT Project	2012	Article	Journal	International Journal of Technology Enhanced Learning (Submitted)
Kotnour, T., Landaeta, R., Lackey, S.	Integrating Technology Roadmaps and Impact Assessment for Program Management of Research Projects: Case Study of the NEW-IT Project	2012	Article	Journal	International Journal of Training and Development (Submitted)
Kotnour, T., Landaeta, R., Lackey, S., (Under Review)	Training System Impact Assessment: A Review, Reconceptualization, and Extension	2012	Article	Journal	International Journal of Learning Technology (Submitted)
Kotnour, T., Landeata, R., & Drexler, J.	Developing impact assessment for training systems research & development: A case study of the strategic approach for the NEWIT system	2009	Conf paper	Proceedings	53rd Annual Conference of the Human Factors and Ergonomics Society, October 19-23, 53(26), 1954-1958. Santa Monica, CA: Human Factors and Ergonomics Society (HFES)
Kozlowski, S.W.S. & Salas, E. (Eds.)	Advances in learning, training and development in organizations	2010	Co editor	Book	Hillsdale, NJ: LEA, Inc.
Lackey, S. J., Barber, D., Reinerman-Jones, L., Badler, N., & Hudson, I.	Defining Next-Generation Multi-Modal Communication in Human-Robot Interaction	2011	Conf paper	Proceedings	Human Factors and Ergonomics Society Conference 2011, (HFES 2011), September 19-23, 2011
Lackey, S.	Future Trends in Immersive Virtual Environments	2012	Presentation	Conference	Joint Forces Simulation and Training Conference, London
Lackey, S., Barber, D., Reinerman-Jones, L.E., Ortiz, E., and Fanfarelli, J	Human Robot Communication	2014	Co author	Chapter	K. Hale & K. Staney (Eds.) Handbook of Virtual Environments, 2nd ed.
Lackey, S., Fanfarelli, J., Dere, T.	Defining a Visual Correlation Threshold for a Proposed Test & Evaluation Standard	2012	Conf paper	Proceedings	2012 Fall Simulation Interoperability Standards Organization (SISO) Simulation Interoperability Workshop (SIW), September 10-14, 2012
Lackey, S., Maraj, C., Salcedo, J., Ortiz, E., Hudson, I.	Assessing Performance of Kinesic Cue Analysis in Simulation-Based Training Environments	2013	Paper	Proceedings	. Interservice/Industry Training, Simulation, and Education Conference 2013, December 2-5, 2013

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Author	Title	Date	Publication	Category	Project
Lackey, S., Nicholson, D., & Becker, W.J.	What can VR do for U? Virtual reality training for uninhabited aircraft	2009	Conf paper	Proceedings	53rd Annual Conference of the Human Factors and Ergonomics Society, October 19-23, 53(7), 1986-1988. Santa Monica, CA: Human Factors and Ergonomics Society (HFES)
Lackey, S., Reinerman-Jones, L.E., & Salcedo, J.	Equal but Different: 5 Research Strategies for Improving Conclusions Drawn from Novice Populations	2104	Paper	Proceedings	Proceedings of the 2014 MODSIM World Conference, Hampton, VA
Lackey, S.J., Badillo-Urquiolla, K.A., Ortiz, E.C., Hudson, I.). A Process for Developing Accurate Kinesics Cues in Virtual Environments	2014	Paper	Proceedings	Interservice/Industry Training, Simulation, and Education Conference 2014, December 1-4, 2014
Lackey, S.J., Barber, D.J., Martinez, S.G.	Recommended Considerations for Human-Robot Interaction Communication Requirements	2014	Paper	Proceedings	Human Computer Interaction International, June 22-27, 2014
Lackey, S.J., Maraj, C., Barber, D.J.,	Immersion, Presence, and Flow in Robot-Aided ISR Simulation-Based Training	2014	Paper	Proceedings	Proceedings of the 2014 Winter Simulation Conference, December 2014
Lackey, S.J., Maraj, C., Ortiz, E., Hudson, I.	A Usability Comparison for Scenario Development Tasks	2013	Paper	Proceedings	. Interservice/Industry Training, Simulation, and Education Conference 2013, December 2-5, 2013
Lampton, Donald, Glenn A. Martin and Jay Saffold	Technical Issues in Distributed Online Multiplayer Gaming Training Systems	Aug 2009	Conf paper		SALT Interactive Technologies Conf, Washington, DC
Lampton, Donald, James Bliss, Jason Kring, Glenn Martin, Jay Saffold and Pat Garrity	Training Applications of Online Distributed Multiplayer Gaming Systems	Feb 2008	Conf paper	Proceedings	Society for Applied Learning Technology, New Learning Technology Conf.
Lampton, Donald, James Bliss, Karin Orvis, Jason Kring and Glenn A. Martin	A Distributed Game-Based Simulation Training Research Testbed	Oct 2009	Conf paper		HFES Annual Meeting
Lazarus, Todd, Glenn A. Martin, Razia Nayeem, Jennifer Fowlkes and Dawn Riddle	E-MAT: The Extremities-Multiple Application Trainer for Haptic-based Medical Training	Mar 2008	Conf paper		IEEE Virtual Reality Conference
Lazzara, E. H., Pavlas, D., Fiore, S. M., & Salas, E.	A Framework to Develop Task Complexity	2010	Paper	Proceedings	54th Annual Meeting of the Human Factors and Ergonomics Society
Lazzara, E., Weaver, S.J., DiazGranados, D., Rosen, M.A., Salas, E., et al.	TEAM MEDSS: Teamwork education and assessment map for medical educators designing simulation scenarios-A guide to authoring teamwork focused simulation based training scenarios for patient safety	2010	Article	Journal	Ergonomics in Design, 18
Lebiere, C., Jentsch, F., & Ososky, S.	Cognitive models of decision making processes for Human-Robot Interaction	2013	Conf paper	Proceedings	HCI International Conference, July 2013
Lebiere, C., Jentsch, F., & Ososky, S.	Cognitive models of decision making processes for human-robot interaction	2013	Co author	Chapter	R. Shumaker (Ed.), Virtual augmented and mixed reality. Designing and developing augmented and virtual environments (Vol. 8021, pp. 285-294). Springer Berlin Heidelberg

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Author	Title	Date	Publication	Category	Project
Leis, R., Reinerman-Jones, L., Sollins, B., Barber, D., & Mercado, J.	Nuclear Power Plant Task Workload Across Repeated Sessions	2014	Paper	Proceedings	Proceedings of the Annual. International Meeting of the Human Factors and Ergonomics Society (HFES), Chicago, IL
Letsky, M. Warner, N., Fiore, S.M., & Smith, C.	Macro cognition in Teams: Theories and Methodologies	2008	Book	Editors	London: Ashgate
Letsky, M., Warner, N., Fiore, S.M., *Rosen, M.A., & Salas, E.	Macro cognition in Complex Team Problem Solving	2007	Paper	Proceedings	12th International Command and Control Research and Technology Symposium
Lindgren, R. Moshell, J. M. & Hughes, C. E.	Virtual environments as a tool for conceptual learning	2014	Co author	Chapter	Handbook of virtual environments: Design, implementation, and applications (2nd Edition), Eds. K. Hale & K. M. Stanney, CRC Press
Lindner, D., Tantleff-Dunn, S., & Jentsch, F.	Social comparison and the circle of objectification	2012	Article	Journal	Sex Roles
Lobato, E. J. C., *Wiltshire, T. J., & Fiore, S. M.	A Dual-Process Approach to Understanding Human-Robot Interaction	2013	Paper	Proceedings	Proceedings of 57th Annual Meeting of the Human Factors and Ergonomics Society (pp. 1263-1267). Santa Monica, CA
Louden, Robert, Matt Fontaine, Glenn A. Martin, Jason Daly and Sae Schatz	User Interface and Information Management of Scenarios	July 2011	Conf paper		HCI International, Orlando
Lum, H., Fiore, S. M., *Rosen, M. R., & Salas, E.	Complexity in Collaboration: Developing an Understanding of Macro cognition in Teams through Examination of Task Complexity	2008	Paper	Proceedings	52nd Annual Meeting of the Human Factors and Ergonomics Society
Lyons, R., Lum, H., Fiore, S.M. Salas, E., Warner, N., & Letsky, M. P.	Considering the influence of task complexity on macrocognitive team process	2012	Co author	Chapter	Theories of Team Cognition: Cross-Disciplinary Perspectives. Applied Psychology Series (271-288). New York: Taylor & Francis
Lyons, R., Priest, H.A., Wildman, J.L., Salas, E., & Carnegie, D.	Managing virtual teams: Strategies for team leaders	2009	Article	Journal	Ergonomics in Design, 17
Malomed, B.A., Kaup, D.J., Van Gorder, R.A.	Unstaggered-staggered solitons in two-component discrete nonlinear Schrodinger lattices	2012	Article	Journal	Phys. Rev. E 85,
Malone, L., Kaup, D.J., Oleson, R., Rosa, M., Jentsch, f., Clarke, T.L., Faulkner, J., Jaggie, R.	Validation of Crowd Simulations	2008	Paper	Proceedings	Summer Computer Simulation Conference (08SCSC), [June 16-19, Edinburgh, Scotland]
Martin, Glenn	Simulation Tools, Trainers, Systems and Methods for Trauma Assessment and Tourniquet Training Applications			Patent	
Martin, Glenn A. and Charles E. Hughes	A Scenario Generation Framework for Automating Instructional Support in Scenario-based Training	April 2010	Paper		Military Modeling & Simulation
Martin, Glenn A., Charles E. Hughes and J. Michael Moshell	Analysis of a Procedural System for Automatic Scenario Generation	July 2012	Conf paper		AHFE, San Francisco, CA

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Martin, Glenn A., Charles E. Hughes, Sae Schatz and Denise Nicholson	Use of Functional L-Systems for Scenario Generation in Serious Games	June 2010	Workshop		Foundations of Digital Games, Monterray CA
Martin, Glenn A., Christopher Gouge and Ali Orooji	A Submission and Adjudication System to Track Training and Enhance Performance	2012	Conf paper		ICIC, Las Vegas NV
Martin, Glenn A., Christopher Gouge and Ali Orooji	A Team Registration System to Support Tracking Training and Enhancing Performance	2011	Conf paper		ICIC, Las Vegas NV
Martin, Glenn A., Jason Daly and Casey Thurston	An After Action Review Engine for Training in Multiple Areas	July 2011	Conf paper		HCI International, Orlando
Martin, Glenn A., Sae Schatz, Charles E. Hughes and Denise Nicholson	What is a Scenario? Operationalizing Training Scenarios for Automatic Generation	July 2010	Conf paper		AHFE, Miami, FL
Martin, Glenn A., Sae Schatz, Clint Bowers, Charles E. Hughes, Jennifer Fowlkes & Denise Nicholson	Automatic Scenario Generation through Procedural Modeling for Scenario-based Training	October 2009	Conf paper		HFES Annual Meeting
Matthews, G., Reinerman-Jones, L., Abich, J., & Barber, D.	The Psychometrics of Mental Workload: Multiple Measures are Sensitive but Divergent	2014	Co author	Journal	Human Factors: The Journal of Human Factors and Ergonomics Society
Matthews, G., Warm, J.S., Reinerman-Jones, L.E., Langheim, L.K., Washburn, D.A., & Tripp, L.	Task engagement, cerebral blood flow velocity, and diagnostic monitoring for sustained attention	2010	Article	Journal	Journal of Experimental Psychology: Applied
McCloy, T., Harper-Sciarini, M., Durso, F., Jentsch, F., Kanki, B., & Rogers, W.	Framing the design evaluation and certification of NextGen technologies and procedures: Automation roles and responsibilities	2011	Conf paper	Proceedings	55th Annual Meeting of the Human Factors and Ergonomics Society, Las Vegas, NV. Santa Monica, CA: Human Factors and Ergonomics Society
McDaniel, R., & Fiore, S. M.	Applied ethics game design: Some practical guidelines	2010	Chapter	Authors	Ethics and game design: Teaching values through play. Hershey, PA: IGI Global
McDaniel, R., Fiore, S. M., & Nicholson, D.	Serious storytelling: Narrative considerations for serious games researchers and developers	2010	Chapter	Authors	Serious Game Design and Development: Technologies for Training and Learning. Hershey, PA: IGI Global
McGuire, K., Fiore, S. M., Holden, R., Fitch, G., & Lee, J.	Distributed teams and distributed memory. In E. Montague (Chair), Trust in Sociotechnical Systems	2010	Paper	Proceedings	Human Factors and Ergonomics Society
Mercado, J., Reinerman-Jones, L., Barber, D., & Leis, R.	Investigating Workload Measures in the Nuclear Domain	2014	Paper	Proceedings	Proceedings of the Annual International Meeting of the Human Factors and Ergonomics Society (HFES), Chicago, IL
Mondesire S. & Wiegand R.P.	Forgetting Beneficial Knowledge in Decomposition-Based Reinforcement Learning Using Evolutionary Computation	2014	Paper	Proceedings	Proceedings from the 2014 Genetic and Evolvable Machines Conference
Mondesire, S. and Wiegand, R.P.	The Stability-Plasticity Dilemma: A Demonstration of an Imbalance in Layered Learning	2014	Co author	Journal	IEEE Transactions on Cybernetics

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Author	Title	Date	Publication	Category	Project
Morrow, P. B.	A site-based ergonomic assessment of acoustics in school settings and the proposal of a fuzzy-logic metric	2011	Conf paper	Proceedings	Human Factors and Ergonomics Society Annual Meeting (Vol. 55, No. 1, pp. 1596-1600). SAGE Publications
Morrow, P. B., & Fiore, S. M.	Supporting Human-Robot Teams in Social Dynamicism: an overview of the Metaphoric Inference Framework	2012	Conf paper	Proceedings	Human Factors and Ergonomics Society Annual Meeting (Vol. 56, No. 1, pp. 1718-1722). SAGE Publications
Nagendran, A. , Pillat, R. , Kavanaugh, A. , Welch, G. , & Hughes, C. E.	A Unified Framework for Individualized Avatar-Based Interactions	2013	Co author	Journal	Presence: Teleoperators and Virtual Environments 23(2)
Nagendran, A., Crowther, W. J., Turner, M. J., Lanzon, A., Richardson, R. C.	Design, control, and performance of the 'weed' 6 wheel robot in the UK MOD grand challenge	2014	Co author	Journal	Advanced Robotics 28(4), 203-218
Nagendran, A., Pillat, R., Hughes, C., Welch, G.	Continuum of virtual- human space: Towards improved interaction strategies for physical-virtual avatars	Dec. 2012	Conf paper	Proceedings	11th ACM SIGGRAPH International Conference on Virtual-Reality Continuum and its Applications in Industry (VRCAI 2012)
Nagendran, A., Pillat, R., Kavanaugh, A., Welch, G. & Hughes, C. E.	AMITIES: Avatar-Mediated Interactive Training and Individualized Experiences System	2013	paper	Proceedings	Proceeding of Virtual Reality Software & Technology (VRST) 2013, Singapore, October 6-8, 2013, 143-152
Nicholson, D.	Developing adaptive, intelligent scenarios to support enhanced operations training	2009	Session	Symposium	Military Modeling and Simulation Symposium (MMS'09), San Diego, CA, March 22-27, 2009
Nicholson, D. M., Lackey, S. J., & Bartlet, K.	Evolution of Human Systems Engineering: What can HSE do for you?	2011	Conf paper	Proceedings	Conference on Systems Engineering Research 2011 (CSER 2011), April 15-16, 2011
Nicholson, D., Schatz, S., Stanney, K., Lackey, S.	Next-generation Expeditionary Warfare Intelligent Training (NEW-IT)	2009	booklet	Program	(IST-CR-09-06). Orlando, FL: University of Central Florida, Institute for Simulation & Training
Nicholson, D., Fiore, S. Vogel-Walcutt, J. J., & Schatz, S.	Advancing the science of training in simulation-based training	2009	Abstract	Proceedings	53rd Annual Conference of the Human Factors and Ergonomics Society, October 19-23, 53(26), 1932-1934. Santa Monica, CA: Human Factors and Ergonomics Society (HFES)
Nicholson, D.M., & Lackey, S.J.	Systems engineering approach applied to science and technology programs to improve technology transition	2008	Chapter	Handbook	D.D. Schmorrow, J.V. Cohn, & D.M. Nicholson (Eds.), The PSI Handbook of Virtual Environments for Training and Education. Vol. 3: VE Components and Training Technologies (pp. 9-17). Westport, CN: Praeger Security International
O'Connor, P., Campbell, J., Newon, J., Melton, J., Salas, E., & Wilson, K.A.	Crew resource management training effectiveness: A meta-analysis and some critical needs	2008	Article	Journal	International Journal of Aviation Psychology, 18
O'Shea, P.G., Goodwin, G.F., Driskell, J.E., Salas, E., & Ardison, S.	The many faces of commitment: Facet-level links to performance in military contexts	2009	Article	Journal	Military Psychology, 21

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Author	Title	Date	Publication	Category	Project
Ogreten, S., Lackey, S.J., & Nicholson, D.M.	Recommended roles for uninhabited team members within mixed-initiative combat teams	2010	Conf paper	Proceedings	2010 International Symposium on Collaborative Technology Systems (CR-HRI 2010), May 17-21, 2010
Ohland, M.W., Loughry, M.L., Salas, E., Woehr, D.J., Layton, R.A., Pomeranz, H.R., Bedwell, W.L., Ferguson, D.M., Lyons, R., Heyne, K., Driskell, T.	SMARTER teamwork: System for management, assessment, research, training, education, and remediation for teamwork	2012	Co author	Report	Proceedings of the American Society of Engineering Education
Oleson, R., Kaup, D.J.	CROWDSim Modeling Framework and Some Example Cases	2008	Conf paper	Proceedings	Summer Computer Simulation Conference (08SCSC), Edinburgh, Scotland]
Ortiz, E., Fiorella, L., Vogel-Walcutt, J.J., Stevens, J. & Hudson, I.	Teaming with a Robot: Effects on Teamwork Quality and Human-Robot Trust	2010	Conf paper	Proceedings	Interservice/Industry Training, Simulation, and Education Conference (I/ITSEC), No.10031, Orlando, FL: I/ITSEC
Ortiz, E., Lackey, S., Stevens, J., & Hudson, I.	Impact of Unmanned Weapon Systems on Individual and Performance	2010	Conf paper	Proceedings	2010 Military Modeling and Simulation Symposium (MMS'10) at the Spring Simulation Conference, Orlando, FL
Ortiz, E., Maraj, C., Salcedo, J., Lackey, S., Hudson, I.	Assessing Engagement in Simulation-Based Training Systems for Virtual Kinesic Cue Detection Training	2013	paper	Proceedings	Human Computer Interaction International, July 21-26, 2013
Ortiz, E., Salcedo, J., Lackey, S., Fiorella, L., & Hudson, I.	Soldier vs. non-military novice performance patterns in remote weapon system research	2012	Conf paper	Proceedings	2012 Spring Simulation Multiconference – Military Modeling and Simulation Symposium, San Diego, CA: Curan Associates
Ortiz, E., Barber D., Stevens, J., & Finkelstein, N.	Simulation to assess an unmanned system's effect on team performance	2009	Conf paper	Proceedings	Interservice/Industry Training, Simulation, and Education Conference (I/ITSEC), November 30-December 3. Orlando, FL: I/ITSEC. 9105
Osofsky, S., Evans, A. W., III, & Jentsch, F.	From the lab to the field: Observations from Unmanned System field research and comparisons to laboratory counterparts	2009	Conf paper	Proceedings	53rd Annual Meeting of the Human Factors and Ergonomics Society: Santa Monica, CA: HFES
Osofsky, S., Jentsch, F., & Phillips, E.	Human considerations in the application of cognitive decision models for HRI	2013	Co author	Chapter	R. Shumaker (Ed.), Virtual augmented and mixed reality. Designing and developing augmented and virtual environments (Vol. 8021, pp. 295-303). Springer Berlin Heidelberg
Osofsky, S., Phillips, E., & Jentsch, F.	Human considerations in the application of cognitive decision models for HRI	2013	Conf paper	Proceedings	HCI International Conference, July 2013
Osofsky, S., Phillips, E., Schuster, D., & Jentsch, F. J.	A picture is worth a thousand mental models: Evaluating human understanding of robot teammates	2013	paper	Proceedings	Proceedings of the Human Factors and Ergonomics Society Annual Meeting, 57(1), 1298-1302
Osofsky, S., Sanders, T., Jentsch, F. J., Hancock, P., & Chen, J. Y. C.	Determinants of system transparency, and its influence on trust in and reliance on unmanned robotic systems	2014	paper	Proceedings	Proceedings of the 2014 SPIE Defense Security & Sensing Symposium (Unmanned Systems Technology XVI Conference 9084). Baltimore, MD: SPIE

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Author	Title	Date	Publication	Category	Project
Osooky, S., Schuster, D., & Jentsch, F.	Building appropriate trust in human-robot teams	2013	Conf paper	Proceedings	AAAI 2013 Spring Symposium on Trust in Autonomous Systems, Stanford U., CA, March 2012
Osooky, S., Schuster, D., Jentsch, F., Fiore, S., Shumaker, R., Lebiere, C., Kurup, U., Oh, J., & Stentz, A.	Importance of shared mental models and shared situation awareness for transforming robots from tools to teammates	2012	Conf paper	Proceedings	2012 SPIE Defense Security & Sensing Symposium (Unmanned Systems Technology XIV Conference DS114). Baltimore, MD: SPIE
Osooky, S., Schuster, D., Phillips, E., & Jentsch, F.	Building appropriate trust in human-robot teams	2013	paper	Proceedings	Proceedings of the Association for the Advancement of Artificial Intelligence Spring Symposium. Palo Alto, CA
Palathinkal, Kincaid, et al.	Effectiveness of Virtual Humans vs. PreRecorded Humans in Standardized Patient Training	2012	Conf Paper		I/ITSEC 2012
Patterson, P.D., Weaver, M.D., Weaver, S.J., Rosen, M.A., Todorova, G., Weingart, L.R., Krackhardt, D., Lave, J.R., Arnold, R.M., Yealy, D.M., & Salas E	Measuring teamwork and conflict among emergency medical technician personnel	2012	Article	Journal	Prehospital Emergency Care, 16
Pavlas, D., *Rosen, M., Salas, E., & Fiore, S. M.	Use of a Visual Attention Game to Aid Vigilance Tasks: Theory and Implementation	2008	Paper	Proceedings	52nd Annual Meeting of the Human Factors and Ergonomics Society
Pavlas, D., Burke, S., Fiore, S. M., Salas, E., Jensen, R., & Fu, D.	Enhancing Unmanned Aerial System Training: A Taxonomy of Knowledge, Skills, Attitudes, and Methods	2009	Paper	Proceedings	53rd Annual Meeting of the Human Factors and Ergonomics Society
Pavlas, D., Jentsch, F., Salas, E., Fiore, S., & Sims, V.	Play Experience Scale: Development and validation of a measure of play	2012	Article	Journal	Human Factors, 54(2), 214-225
Pavlas, D., Lum, H., & Salas, E.	Creating low-cost eye tracking systems: A how-to guide	2012	Article	Journal	Ergonomics in Design, 20
Phillips, E.	Research directions for examining hazardous noise at the theater	2014	author	Journal	Ergonomics in Design: The Quarterly of Human Factors Applications. doi:10.1177/1064804614526198
Phillips, E., *Sellers, B., & Fiore, S. M.	Human Centric Environmentalism: Opportunities for the Human Factors Community to Contribute to Global Environmental Solutions	2010	Paper	Proceedings	54th Annual Meeting of the Human Factors and Ergonomics Society
Phillips, E., Leotaud, P., Fincannon, T., & Jentsch, F.	Effects of robot teaming and operator memory on the rate of human interaction with multiple unmanned vehicles	2010	Conf paper	Proceedings	27th Army Science Conference, Orlando, FL
Phillips, E., Osooky, S., & Jentsch, F.	An investigation of human decision making in soldier—robot teams: Implications for cognitive modeling	2014	paper	Proceedings	Proceedings of the 58th Annual Meeting of the Human Factors and Ergonomics Society

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Author	Title	Date	Publication	Category	Project
Phillips, E., Ososky, S., & Jentsch, F.	Leveraging features of human—technology teams to support mental models in future soldier—robot teams	2014	paper	Proceedings	Proceedings of the 58th Annual Meeting of the Human Factors and Ergonomics Society
Phillips, E., Ososky, S., Grove, J., & Jentsch, F.	From tools to teammates: Toward the development of appropriate mental models for intelligent robots	2011	Conf paper	Proceedings	55th Annual Meeting of the Human Factors and Ergonomics Society, Las Vegas, NV. Santa Monica, CA: Human Factors and Ergonomics Society
Phillips, E., Ososky, S., Swigert, B., & Jentsch, F.	Human-animal teams as an analog for future human-robot teams	2012	Conf paper	Proceedings	56th Annual Meeting of the Human Factors and Ergonomics Society. Santa Monica, CA: Human Factors and Ergonomics Society
Prager S.D. & Wiegand R.P.	Real-time detection of anomalous paths through networks	2014	paper	Proceedings	Proceedings from the 17th AGILE Conference on Geographic Information Science
Prager, S.D., and Wiegand, R.P.	Modeling use of space from social media data using a biased random walker	2013	Co author	Journal	Transactions in GIS. DOI: 10.1111/tgis.12069
Reinerman-Jones, L., Barber, D., Lackey, S.J., & Nicholson, D.	Developing methods for utilizing physiological measures	2010	Conf paper	Proceedings	Applied Human Factors and Ergonomics Society Conference 2010 (AHFE 2010), July 17-20, 2010
Reinerman-Jones, L., Barber, D., Lackey, S.J., & Nicholson, D.M.	Developing methods for utilizing physiological measures	2010	Chapter	Book	M. Tadeusz, K. Waldemar, & V. Rice (Eds.), Advances in Understanding Human Performance: Neuroergonomics, Human Factors Design, and Special Populations. Miami, Florida.
Reinerman-Jones, L., Sprouse, K., Taylor, G., Hudson, I.	Utility of Adaptive Automation in Intelligence, Surveillance, and Reconnaissance Operations	2011	Conf paper	Proceedings	Unmanned Systems North America 2011. (AUVSI) September 11-15, 2011
Reinerman-Jones, L., Taylor, G., & Abich, J.	Augmenting robot behaviors using physiological measures	2012	address	meeting	Department of Defense Human Factors and Ergonomics Technical Advisory Group at Dayton, OH
Reinerman-Jones, L., Taylor, G., Barber, D., & Hudson, I.	ISR missions: A multi-tasking problem and an automation solution	2011	address	meeting	Department of Defense Human Factors and Ergonomics Technical Advisory Group at Vienna, VA
Reinerman-Jones, L.E.	Basic versus applied research dilemma	2010	Conf paper	Proceedings	54nd Annual Meeting of the Human Factors and Ergonomics Society (HFES)
Reinerman-Jones, L.E. & Guznov, S.	Tool for Assessing Metrics Applicable for Evaluating Nuclear Power Plant Design	2012	address	meeting	Defense Human Factors and Ergonomics Technical Advisory Group at Dayton, OH
Reinerman-Jones, L.E. & Nicholson, D.	Transfer: From the laboratory to the real-world	2010	Conf paper	Proceedings	54th Annual Meeting of the Human Factors and Ergonomics Society (HFES)
Reinerman-Jones, L.E. (Ed.)	Basic Versus Applied Debate Revisited	2011	Article	Periodical	Special Edition, 1,1. Theoretical Issues in Ergonomics Science. London: Taylor & Francis
Reinerman-Jones, L.E., Cosenzo, K., & Nicholson, D.	Subjective and objective measures of operator state in automated systems	2010	Presentation	Conference	3rd International Conference of Applied Human Factors and Ergonomics (AHFE) at Miami, FL
Reinerman-Jones, L.E., Guznov, S., Mercado, J., & D'Agostino, A.	Developing methodology for experimentation using a nuclear power plant simulator.	2013	Co author	Chapter	D.D. Schmorow & C.M. Fidopiastis (Eds.), Foundations of Augmented Cognition (Vol. 8027, pp. 181-188). Berlin Heidelberg: Springer

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Author	Title	Date	Publication	Category	Project
Reinerman-Jones, L.E., Guznov, S., Mercado, J., & D'Agostino, A.	Developing methodology for experimentation using a nuclear power plant simulator	2013	paper	Proceedings	Proceeding of the Bi-Annual Meeting of HCI International, Las Vegas, NV
Reinerman-Jones, L.E., Matthews, G. Abich, J., & Barber, D.	Psychophysiological Metrics for Workload are Demand-Sensitive but Multifactorial	2014	paper	Proceedings	Proceedings of the Annual International Meeting of the Human Factors and Ergonomics Society (HFES), Chicago, IL
Reinerman-Jones, L.E., Parchment, A., Matthews, G., Barber, D., & Lackey, S.	Cerebral Blood Flow Velocity and Stress as Predictors of Decision Making	2014	paper	Proceedings	Proceedings of the Annual International Meeting of the Human Factors and Ergonomics Society (HFES), Chicago, IL
Reinerman-Jones, L.E., Sollins, B., & Hudson, I.	Evaluating Human-Robot Implicit Communication using Psychophysiology	2013	paper	Proceedings	Proceedings of the Annual Meeting of AUVSI Unmanned Systems North America, Washington, D.C.
Reinerman-Jones, L.E., Sollins, B., Gallagher, S., & Janz, B.	Neurophenomenology: An integrated approach to exploring awe and wonder	2013	Co author	Journal	South African Journal of Philosophy
Reinerman-Jones, L.E., Taylor, G., & Cosenzo, K.	Analysis of Multivariate Physiological Data	2011	Conf paper	Proceedings	Bi-Annual Meeting of Augmented Cognition International (ACI 2011) July 9-14, 2011
Reinerman-Jones, L.E., Taylor, G., Sprouse, K., Barber, D., Hudson, I.	Adaptive Automation as a Task Switching and Task Congruence Challenge	2011	Conf paper	Proceedings	Human Factors and Ergonomics Society Conference 2011, (HFES 2011), September 19-23, 2011
Reinerman-Jones, L.E., Teo, G., & Parchment, A.	Using a Situational Judgment Test to Assess Multidimensional Complex Decision Making. Behavioral Decision Making		Co author	Journal	
Rentsch, J.R., Delise, L.A., Salas, E., & Letsky, M.P.	Facilitating knowledge building in teams: Can a new team training strategy help?	2010	Article	Journal	Small Group Research, 41(5)
Rivera, J., Gee, S., Curtis, M., Boehm-Davis, D., & Jentsch, F.	Visual approach: Evaluating the relative impact of perceptual and conceptual training	2011	Conf paper	Proceedings	55th Annual Meeting of the Human Factors and Ergonomics Society, Las Vegas, NV. Santa Monica, CA: Human Factors and Ergonomics Society
Rivera, J., Talone, A. B., Boesser, C. T., Jentsch, F., & Yeh, M.	Startle and surprise on the flight deck: Similarities, differences, and prevalence	2014	paper	Proceedings	Proceedings of the 58th Annual Meeting of the Human Factors and Ergonomics Society
Rivera-Gutierrez, D., Welch, G., Lincoln, P., Whitton, M., Cendan, J., Chesnutt, D., Fuchs, H., Lok, B.	Shader lamps virtual patients: the physical representation of virtual patients	2012	Article	Journal	Medicine Meets Virtual Reality 19 - NextMed, Studies in Health Technology and Informatics, IOS Press
Rodriguez, W., Fiore, S. M., & Carstens, D.	uCollaborator: 3-D Simulated Platform for Collaborating Visually with Geographically-Dispersed Design Teams	2009	Paper	Proceedings	ASEE-EDGD Mid-Year Conference
Rodriguez, W., Fiore, S.M., De Welde, K., Carstens, D.S., Kepuska, V.Z.	Ubiquitous Collaboration (uC) Learning: Connecting the Physical and Virtual Worlds	2010	Journal	Authors	Ubiquitous Learning: An International Journal, 2(2)
Rodriguez-Pay, J.M., Kennedy, M., Salas, E., Wu, A.W., Sexton, B.J., Hunt, E.A. & Pronovost, P.J.	Beyond "See One, Do One, Teach One": Toward a different training paradigm	2009	Article	Journal	Quality and Safety in Health Care, 18

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Author	Title	Date	Publication	Category	Project
Rosen, M. A., *Feldman, M., Fiore, S. M., & Salas, E.	Augmented Team Cognition for Complex Problem-Solving Tasks: A Framework and Research Agenda	2007	Paper	Proceedings	4th International Conference of the Augmented Cognition Society
Rosen, M. A., Fiore, S.M., McDaniel, R., & Salas, E.	Adapting Narrative Theory to Improve the Implementation of Story in Problem-based Learning	2010	Chapter	Authors	Storytelling as an Instructional Method: Research Perspectives. Rotterdam: Sense Publishers
Rosen, M. A., Fiore, S.M., Salas, E. Letsky, M., & Warner, N.	Macrocognition in Command and Control: Understanding and assessing verbal and non-verbal communications during complex collaborative problem solving	2007	Paper	Proceedings	13th International Command and Control Research and Technology Symposium
Rosen, M. A., Salas, E., *Lyons, R., & Fiore, S. M.	Expertise and Naturalistic Decision Making in Organizations: Mechanisms of Effective Decision Making	2008	Chapter	Authors	The Oxford handbook of organizational decision making: Psychological and management perspective. Oxford, UK: Oxford University Press
Rosen, M. A., Salas, E., Fiore, S. M., *Pavlas, D., & *Lum, H. L.	Team Cognition and External Representations: A Framework and Propositions for Supporting Collaborative Problem Solving	2009	Paper	Proceedings	53rd Annual Meeting of the Human Factors and Ergonomics Society
Rosen, M., Fiore, S. M., Salas, E.	Of Memes and Teams: Exploring the Memetics of Team Problem Solving	2007	Chapter	Authors	Honassen. Learning to solve complex, scientific problems
Rosen, M.A., Bedwell, W.L., Wildman, J.L., Fritzsche, B.A., Salas, E., & Burke, C.S.,	Managing adaptive performance in teams: Guiding principles and behavioral markers for measurement	2011	Article	Journal	Human Resources Management Review, 21
Rosen, M.A., Fiore, S.M., Salas, E., Letsky, M., & Warner, N.	Tightly Coupling Cognition: Understanding how Communication and Awareness Drive Coordination in Teams	2008	Journal	Authors	International Journal of Command and Control, 2, 1
Rosen, M.A., Lazzara, E.H., Lyons, R., Weaver, S.J., Salas, E., Wu, T.S., Silvestri, S., & King, K.B.	SMARTER-Team: Adapting Event-based tools for simulation-based team training in health care	2008	Co author	Report	Proceedings of the Human Factors and Ergonomics Society 52nd Annual Meeting, New York, NY: HFES
Rosen, M.A., Salas, E., & Pavlas, D.	Demonstration-based training: A review of instructional features	2010	Article	Journal	Human Factors, 52
Rosen, M.A., Salas, E., Lazara, E.H., & Lyons, R.	Cognitive task analysis: Methods for capturing and leveraging expertise in the workplace	2013	Co author	Chapter	M.A. Wilson, R.J., Harvey, G.M. Alliger & W. Bennett, Jr., The Handbook of Work Analysis: The Methods, system & science of work measurement in organizations
Rosen, M.A., Salas, E., Lyons, R., & Fiore, S.M.	Expertise and naturalistic decision making in organizations: Mechanisms of effective decision making in complex environments	2008	Co author	Chapter	G.P. Hodgkinson, & Starbuck, W.H. (Eds.), The Oxford Handbook of organizational decision making: Psychological and management perspectives. (pp. 211-230). Oxford, UK: Oxford University Press
Rosen, M.A., Salas, E., Silvestri, S., Wu, T. & Lazzara, E.H.	A measurement tool for simulation-based training in emergency medicine: The simulation module for assessment of resident targeted event response (SMARTER) approach	2008	Article	Journal	Simulation in Healthcare, 3 (3)

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Author	Title	Date	Publication	Category	Project
Rosen, M.A., Salas, E., Tannenbaum, S.I., Deering, S., King, H.B., & Schiebel, N.	Guiding learning from experience: A practical guide to team debriefs in simulation-based training in healthcare and beyond (in preparation)	2013	Co author	Book	Aldershot, UK: Ashgate
Rosen, M.A., Salas, E., Tannenbaum, S.I., Pronovost, P.J., & King, H.B.	Simulation-based training for teams in healthcare: Designing scenarios, measuring performance, and providing feedback	2012	Co author	Chapter	P. Carayon (Ed.), Handbook of Human Factors and Ergonomics in Health Care and Patient Safety, Second Edition (pp. 573-594). Boca Raton, FL: CRC Press
Rosen, M.A., Salas, E., Wilson, K.A., King, H.B., Salisbury, M., Augenstein, J.S., Robinson, D.W., & Birnbach, D.J.	Measuring team performance for simulation-based training: Adopting best practices for healthcare	2008	Article	Journal	Simulation in Healthcare, 3
Rosen, M.A., Salas, E., Wu, T.S., Silvestri, S., Lazzara, E.H., Lyons, R., & Weaver, S.J.	Promoting teamwork: An event-based approach to simulation-based teamwork training for emergency medicine residents	2008	Article	Journal	Academic Emergency Medicine, 15
Rosen, M.A., Shuffler, M., & Salas, E.	How experts make decisions: Beyond the JDM paradigm	2010	Article	Journal	Industrial and Organizational Psychology: Perspectives on Science and Practice, 3
Rosen, M.A., Weaver, S.J., Lazzara, E.H., Salas, E., Wu, T.S., et al.	Tools for evaluating team performance in simulation based training	2010	Article	Journal	Journal of Emergencies, Trauma and Shock, 3(4)
Rosen, M.A., Wildman, J.L., & Bedwell, W.L., Fritzsche, B., Salas, E., & Burke, C.S.	Diagnosing friction points in multicultural team performance: A rationale and measurement approach	2008	Co author	Report	Proceedings of the Human Factors and Ergonomics Society 52nd Annual Meeting, New York, NY: HFES
Rosen, M.A., Wildman, J.L., Salas, E., & Rayne, S.	Measuring team dynamics in the wild	2013	Co author	Chapter	A.B. Hollinghead & M.S. Poole (Eds.). Research Methods for Studying groups and teams: A guide to approach, tools and technologies
Rusnock, C., Reinerman-Jones, L., Abich, J., & Geiger, C.	Individual differences in workload curves for adapting automation		Co author	Journal	Journal of Cognitive Engineering and Decision Making
Sadagic, A., Kölsch, M., Welch, G., Basu, C., Darken, C., Wachs, J. P., Fuchs, H., Towles, H., Rowe, N., Frahm, J.M., Guan, L., Kumar, R. & Cheng, H.	Smart instrumented training ranges: bringing automated system solutions to support critical domain needs	2013	Co author	Journal	The Journal of Defense Modeling and Simulation: Applications, Methodology, Technology 10(3), 327-342
Salas, E.	At the turn of the 21st Century: Reflections on our science	2008	Article	Journal	Human Factors, 50
Salas, E.	Teams and Teamwork	2013	Co author	Chapter	J. Levine, & M. Hogg (Eds). Encyclopedia of group processes and intergroup relations
Salas, E. & Dietz, A.S. (Eds.)	Situational Awareness: Critical Essays	2011	Co editor	Book	Hampshire, UK: Ashgate

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Author	Title	Date	Publication	Category	Project
Salas, E. & Fiore, S. M.	Macrocognition Metrics: Meaningful Measures for Complex Processes	2007	Paper	Proceedings	51nd Annual Meeting of the Human Factors and Ergonomics Society
Salas, E. & Fiore, S. M.	Toward a Science of Distributed Learning and Training	2007	Chapter	Authors	Fiore & Salas. Toward a science of distributed learning
Salas, E., & Kozlowski, S.W.J.	Learning, training and development in organizations: Much progress and a peek over the horizon	2010	Co author	Chapter	S.W. J. Kozlowski, & E. Salas, (Eds.), Learning, training, and development in organizations. (pp. 461-476) Mahwah, NJ: Taylor Francis
Salas, E., & Lazzara, E.H. (2008).	Training and learning development for homeland security	2008	Co author	Chapter	J.G. Voeller, (Ed.) Wiley Handbook of Science and Technology for Homeland Security, (online) Hoboken, NJ: Wiley
Salas, E., & Maurino, D. (Eds.)	Human Factors in Aviation (2nd Edition)	2010	Co editor	Book	San Diego, CA.: Elsevier
Salas, E., & Rosen, M.	Performance assessment: Section perspective	2008	Co author	Chapter	D. Schmorrow, J.Cohn, & D. Nicholson (Eds.), The PSI Handbook of Virtual Environments for Training and Education: Developments for the Military and Beyond. Volume 1 (3), (pp. 227-235). Westport, CT: Praeger
Salas, E., & Rosen, M.A.	Naturalistic Decision Making, Expertise, and Homeland Security	2008	Co author	Chapter	J.G. Voeller (Ed.), Wiley Handbook of Science and Technology for Homeland Security. (online) Hoboken, NJ: Wiley
Salas, E., & Rosen, M.A.	Experts at work: Principles developing expertise in organizations	2010	Co author	Chapter	S.W. J. Kozlowski, & E. Salas, (Eds.), Learning, training, and development in organizations. (pp. 99-134) Mahwah, NJ: Taylor Francis
Salas, E., & Rosen, M.A..	Beyond the Bells and Whistles: When Simulation-based team training works best	2008	Article	Journal	Forum, 26
Salas, E., & Weaver, S.J.	Employee growth & development: Cultivating human capital	2013	Co author	Chapter	M. Grawitch & D. Ballard (Eds). The psychologically healthy workplace: Building a win-win environment for organizations and employees. American Psychological Association
Salas, E., & Wildman, J.L.	Ten critical research questions: The need for new and deeper exploration	2009	Co author	Chapter	E. Salas, G.F. Goodwin & C.S. Burke (Eds.). Team effectiveness in complex organizations: Cross-disciplinary perspectives and approaches. (pp. 525-546) Mahwah, NJ: Erlbaum
Salas, E., Almeida, S.A., Salisbury, M., King, H., Lazzara, E.H., Lyons, R., et.al.	What are the critical success factors for implementing team training in healthcare?	2009	Article	Journal	The Joint Commission Journal on Quality and Patient Safety, 35
Salas, E., Cooke, N.J. & Gorman, J.C.	The science of team performance: Progress and the need for more	2010	Article	Journal	Human Factors, 52
Salas, E., Cooke, N.J., Rosen, M.A.	On teams, teamwork, and team performance: Discoveries and developments	2008	Article	Journal	Human Factors, 50

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Author	Title	Date	Publication	Category	Project
Salas, E., Diaz Granados, D., Klein, C., Burke, C.S., Goodwin, G. & Halpin, S.G.	Team processes, performance and training in organizations: A quarter century of progress (in preparation)	2013	Co author	Book	Washington, D.C.: American Psychological Association Books
Salas, E., DiazGranados, D., Klein, C., Burke, C.S., Stagle, K.C., Goodwin, G.F., & Halpin, S.M.	Does team training improve team performance? A meta-analysis	2008	Article	Journal	Human Factors, 51
Salas, E., DiazGranados, D., Weaver, S.J., & King, H.	Does team training work? Principles for health care	2008	Article	Journal	Academic Emergency Medicine, 15
Salas, E., Fiore, S. & Letsky, M.P. (Eds.)	Theories of team cognition: Cross-disciplinary perspectives	2011	Co editor	Book	London, UK. Taylor & Francis
Salas, E., Fiore, S. M., & Letsky, M.	Theories of Team Cognition: Cross-Disciplinary Perspectives	2012	Book	Editors	NY & London: Routledge
Salas, E., Fiore, S. M., Letsky, M., & Warner, N.	Shared Cognition in Complex Environments: Emerging Theoretical Issues with Macrocognitive Processes	2010	Special Issue	Authors, Editors	"Theoretical Issues in Ergonomic Science"
Salas, E., Fiore, S.M., Warner, N., & Letsky, M.P.	Emerging multi-disciplinary theoretical perspectives in team cognition: An overview	2010	Article	Journal	Theoretical Issues in Ergonomics Science, 11
Salas, E., Frush, K. (Eds.) & Baker, D.P., King, H., Battles, J., & Wears, R. (Assoc. Eds.)	Improving patient safety through teamwork and team training (in press)	2013	Co editor	Book	Oxford Press
Salas, E., Goodwin, G., & Burke, C.S. (Eds.)	Team effectiveness in complex organizations: Cross-disciplinary perspectives and approaches	2010	Co editor	Book	Hillsdale, NJ: LEA, Inc.
Salas, E., Gregory, M.E., & King, H.B.	Team training can enhance patient safety-the data, the challenge ahead	2011	Article	Journal	The Joint Commission Journal on Quality and Patient Safety, 37
Salas, E., Guthrie, J.W., & Burke, C.S.	Why training team decision making is not as easy as you think: guiding principles and needs	2009	Co author	Chapter	Decision making in complex systems., Aldershot, England: Ashgate
Salas, E., Klein, C., King, H., Salisbury, M., Augenstein, J.S., Birnback, D.J., Robinson, D.W., Upshaw, C.	Debriefing medical teams: 12 Evidence-based best practices and tips	2008	Article	Journal	The Joint Commission Journal on Quality and Patient Safety, 34
Salas, E., Maurino, D. & Curtis, M.	Human Factors in Aviation: An overview	2010	Co author	Chapter	E. Salas & D. Maurino (Eds.) Human Factors in Aviation (2nd Ed) (pp. 3-17), Burlington, MA
Salas, E., Rosen, M.A., Held, J.D., & Weissmuller, J.J.	Performance measurement in simulation-based training: A review and best practices	2009	Article	Journal	Simulation & Gaming: An Interdisciplinary Journal, 40
Salas, E., Rosen, M.A., & DiazGranados, D.	Decision making in naturalistic environments	2012	Co author	Chapter	S.W.J. Koslowski (Ed), The Oxford Handbook of Industrial-Organizational Psychology (pp. 134-138). Oxford University Press

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Author	Title	Date	Publication	Category	Project
Salas, E., Rosen, M.A., & DiazGranados, D.	Expertise-based intuition and decision making in organizations	2010	Article	Journal	Journal of Management, 36
Salas, E., Rosen, M.A., & King, H.B.	Integrating teamwork into the 'DNA' of graduate medical education: Principles for simulation-based training (commentary)	2009	Article	Journal	Journal of Graduate Medical Education, 1
Salas, E., Rosen, M.A., Burke, C.S., & Goodwin, G.F.	The wisdom of collectives in organizations: Research based principles for achieving teamwork	2009	Co author	Chapter	E. Salas, G.F. Goodwin, & C.S. Burke (Eds.), Team effectiveness in complex organizations: Cross-disciplinary perspectives and approaches. (pp. 39-79) Mahwah, NJ: Erlbaum
Salas, E., Rosen, M.A., Weaver, S.J., Held, J.D., & Weissmuller, J.J.	Practical guidelines for performance measurement in simulation-based training	2009	Article	Journal	Ergonomics in Design, 17
Salas, E., Shuffler, M.L. & DiazGranados, D.	Team Dynamics at 35,000 feet	2010	Co author	Chapter	E. Salas & D. Maurino (Eds.) Human Factors in Aviation (2nd Ed) (pp. 249-292), Burlington, MA
Salas, E., Tannenbaum, S.I., Cohen, D., & Latham, G.	Developing and enhancing high- performance teams: Evidence-based practice and advice (in preparation)	2013	Co editor	Book	San Francisco, CA: Jossey-Bass
Salas, E., Tannenbaum, S.I., Kraiger, K., Smith-Jentsch, K.	Science of training and development in organizations: What matters in practice	2012	Article	Journal	Psychological Science in the Public Interest
Salas, E., Weaver, S.J., & Porter, M.S.	Learning, training, and development in organizations	2012	Co author	Chapter	S.W.J. Koslowski (Ed), The Oxford Handbook of Industrial-Organizational Psychology (pp. 330-372). Oxford University Press
Salas, E., Weaver, S.J., DiazGranados, D., Lyons, R., & King, H.	Sounding the call for team training in health care: Some insights and warnings	2009	Article	Journal	Academic Medicine, 84
Salas, E., Weaver, S.J., Rosen, M.A., Smith-Jentsch, K.A.	Managing team performance in complex settings: Research-based best practices	2009	Co author	Chapter	J.W. Smither & M. London (Eds), Performance management: Putting research into practice (pp. 197-232). Wiley
Salas, E., Weaver, S.J., Rosen, M.A., Gregory, M.E.	Team training for patient safety	2012	Co author	Chapter	P. Carayon (Ed.), Handbook of Human Factors and Ergonomics in Health Care and Patient Safety, Second Edition (pp. 627-647). Boca Raton, FL: CRC Press
Salas, E., Wildman, J.L., & Piccolo, R.	Using Simulation-based training to enhance management education	2009	Article	Journal	Academy of Management Learning & Education, 8
Salas, E., Wilson, K. & Edens, E. (Eds.)	Crew Resource Management: Critical Essays	2009	Co editor	Book	Hampshire, UK: Ashgate
Salas, E., Wilson, K., & Lyons, R., (2008).	Motivation and expertise at work: A human factors perspective	2008	Co author	Chapter	R. Kanfer, G. Chen, & R. Pritchard (Eds.), Work motivation (pp.560-567). Boca Raton, FL: CRC Press
Salas, E., Wilson, K.A., & Lyons, R.	Designing and delivering training for multi-cultural interactions in organizations	2008	Co author	Chapter	D.I. Stone & E.F. Stone-Romero (Eds.), The influence of culture on human resources management processes and practices. (pp. 117-136) Mahwah, NJ: LEA

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Author	Title	Date	Publication	Category	Project
Salas, E., Wilson, K.A., Lazzara, E.H., King, H.B., Augenstein, J.S., Robinson, D., & Birnbach, D.J.	Simulation-based training for Patient Safety: Ten principles that matter	2008	Article	Journal	Journal of Patient Safety. 4
Salas, E., Wilson, K.A., Murphy, C.E., King, H.B., and Salisbury, M.	Communicating, coordinating and cooperating when the life of others depends on it: Tips for teamwork	2008	Article	Journal	Joint Commission Journal on Quality and Safety, 34
Salazar, M. R., Lant, T. K., Fiore, S. M., & Salas, E.	Facilitating Innovation in Diverse Science Teams through Integrative Capacity	2013	Journal	Authors	Small Group Research
Salcedo, J., Maraj, C., Lackey, S., Ortiz, E., Hudson, I., Martinez, J.	Effects of Visual Fidelity on Biometric Cue Detection in Virtual Combat Profiling Training	2013	paper	Proceedings	Human Computer Interaction International, July 21-26, 2013
Salcedo, J., Ortiz, E., Lackey, S., Hudson, I., & Taylor, A.	Effects of autonomous vs. remotely-operated unmanned weapon systems on human-robot teamwork and trust	2011	Conf paper	Proceedings	55th Human Factors and Ergonomics Society (HFES), Santa Monica, CA: Sage Publications
Salcedo, J.N., Lackey, S.J., & Reinerman-Jones, L.E.	Massed Exposure Improves Response Time for Detection of Nervous Human Behaviors in Robot-Aided ISR Missions	2014	paper	Proceedings	Proceedings of the MODSIM World Conference, Hampton, VA
Salcedo, J.N., Lackey, S.J., & Reinerman-Jones, L.E.	Impact of Instructional Strategies on Motivation and Engagement for Simulation-Based Training of Robot-Aided ISR Tasks	2014	paper	Proceedings	Proceedings of the 2014 International Annual Meeting of the Human Factors and Ergonomics Society (HFES), Chicago, IL
Schatz S., Oakes C., Folsom-Kovarik J. T., Dolletski-Lazar R.	ITS + SBT: A Review of Operational Situated Tutors	2012	Article	Periodical	Military Psychology, special issue on current trends in adaptive training for military applications
Schatz, S.	Advanced perceptual abilities: improving their training, evaluation, and operational effectiveness	2011	symposium	Conference	10th International Conference on Naturalistic Decision Making, May 31–June 3, 2011, Orlando, FL
Schatz, S. & Nicholson, D.	Modeling the reciprocal relationship between personality and culture	2010	Conf paper	Proceedings	1st International Conference on Cross Cultural Decision Making (CCDM), July 17-20, 2010
Schatz, S. & Bowers, C.	Defining the critical components of a scenario to support higher-order KSA training	2009	Conf paper	Conference	Denise Nicholson (Chair) Developing adaptive, intelligent scenarios to support enhanced operations training. Military Modeling and Simulation Symposium (MMS'09), San Diego, CA, March 22-27, 2009
Schatz, S., Bowers, C., & Nicholson, D.	Arousability: An individual difference all human factors professionals should know	2008	Article	Periodical	Ergonomics in Design
Schatz, S., Champney, R., Lackey, S., Oakes, C., & Dunne, R.	Evaluating Training Effectiveness: Instructional Support Software from Squads to Schoolhouses	2011	Conf paper	Proceedings	Interservice/Industry Simulation, Training, and Education Conference 2011, (IITSEC 2011), November 28-December 1, 2011
Schatz, S., Nicholson, D., & Dolletski, R.	A Systems approach to simulations for training: instruction, technology, and process engineering	2011	Chapter	Book	P. J. Mosterman (Series Ed.) Real-time Simulation Technologies: Principles, Methodologies, and Applications. CRC Press

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Author	Title	Date	Publication	Category	Project
Schatz, S., Reitz, E., Nicholson, D., & Fautua, D.	Expanding Combat Hunter: The science and metrics of Border Hunter	2010	Conf paper	Proceedings	Interservice/Industry Training, Simulation and Education Conference (I/ITSEC), November 28-December 2, 2010, Orlando, FL.
Schatz, S., Vogel-Walcutt, J.J. & Nicholson, D.	Next evolution of simulation-based training: Towards instructional fidelity	2010	Conf paper	Conference	ED-MEDIA World Conference on Educational Multimedia, Hypermedia and Telecommunications, June 29 – July 2, Toronto, Canada
Schatz, S., Bowers, C., & Nicholson, D.	Components of the highly sensitive person and trait arousability scales	2012	Article	Journal	Journal of Social Psychological and Personality Science (Submitted)
Schatz, S., Bowers, C.A., & Nicholson, D.	Advanced situated tutors: Design, philosophy, and a review of existing systems	2009	Conf paper	Proceedings	Proceedings of the 53rd Annual Conference of the Human Factors and Ergonomics Society, October 19-23, 53(26), 1944-1948. Santa Monica, CA: Human Factors and Ergonomics Society (HFES)
Schatz, S.L., Bowers, C.A., Nicholson, D., & Vogel-Walcutt, J.J.	Trait arousability: An individual difference that may actually be useful for designers.	Jul-08	Abstract	Conference	2nd International Conference on Applied Ergonomics, July 14-17, Las Vegas, NV
Schmidt, T., Hudson, I., & Bockelman Morrow, P.	Using Mirror Neuron Research to Support Improved Interaction between Humans and Artificial Agents	2012	Paper	meeting	International Society for Human Simulation, St. Pete Beach, FL
Schmorrow, D.D. and Nicholson, D.M.	Human-system integration and optimization in operational and training applications	Jul-08	Proposal	Conference	Special Interest Group Proposal on HSI accepted for the 2nd Applied Human Factors and Ergonomics International Conference, July 14-17, Las Vegas, NV
Schmorrow, D.D., Nicholson, D.M., Lackey, S.J., Cohn, J.V., Allen, R.C., & Norman, K.L.	Virtual Reality in the Training Environment	2008	Chapter	Handbook	D. Vincenzi (Ed.), Human Factors in Simulation and Training (pp. 201-228). Mahwah, NJ: Lawrence Erlbaum Associates
Schubert, R., Welch, G., Lincoln, P., Nagendran, A., Pillat, R., Fuchs, H.	Advances in shader lamps avatars for telepresence	Oct. 2012	Conf paper	Proceedings	3DTV-Conference 2012: The True Vision: Capture, Transmission and Display of 3D Video, (ETH Zurich, Zurich, Switzerland)
Schuster, D., & Jentsch, F.	Increasing robot autonomy effectively using the science of teams	2013	Conf paper	Proceedings	HCI International Conference, July 2013
Schuster, D., & Jentsch, F.	Increasing robot autonomy effectively using the science of teams	2013	Co author	Chapter	Lecture Notes in Computer Science, 8021, 313-320. Heidelberg: Springer
Schuster, D., & Jentsch, F.	Measurement of situation awareness in human-robot teams	2011	Conf paper	Proceedings	55th Annual Meeting of the Human Factors and Ergonomics Society, Las Vegas, NV. Santa Monica, CA: Human Factors and Ergonomics Society
Schuster, D., *Rivera, J., *Sellers, B., Fiore, S. M., & Jentsch, F.	Individually Adaptive Discrimination Training for Improvised Explosive Detection	2010	Paper	Proceedings	54th Annual Meeting of the Human Factors and Ergonomics Society
Schuster, D., *Sellers, B., *Rivera, J., Fiore, S. M., & Jentsch, F.	Component Versus Holistic Visual Search Training for Improvised Explosive Detection	2010	Paper	Proceedings	54th Annual Meeting of the Human Factors and Ergonomics Society

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Author	Title	Date	Publication	Category	Project
Schuster, D., Fincannon, T., Keebler, J., & Jentsch, F.	Spatial ability and video game experience in vehicle identification	2010	Paper	meeting	American Psychological Association, San Diego, CA
Schuster, D., Harper-Sciarini, M., Curtis, M. T., Jentsch, F., & Swanson, R.	Relationship between conceptual understanding and performance	2009	Conf paper	Proceedings	53rd Annual Meeting of the Human Factors and Ergonomics Society: Santa Monica, CA: HFES
Schuster, D., Jentsch, F., Fincannon, T., & Ososky, S.	The impact of type and level of automation on situation awareness and performance in human-robot interaction	2013	Co author	Chapter	D. Harris (Ed.), Engineering psychology and cognitive ergonomics. Understanding human cognition (Vol. 8019, pp. 252-260). Springer Berlin Heidelberg
Schuster, D., Keebler, J. R., Jentsch, F., & Zuniga, J.	Comparison of SA measurement techniques in a human-robot team task	2012	Conf paper	Proceedings	56th Annual Meeting of the Human Factors and Ergonomics Society. Santa Monica, CA: Human Factors and Ergonomics Society
Schuster, D., Keebler, J., Zuniga, J., & Jentsch, F.	Individual differences in SA measurement and performance in human-robot teaming	2012	Conf paper	Proceedings	IEEE Conference on Cognitive Methods in Situation Awareness and Decision Support. New Orleans, LA: Institute of Electrical and Electronics Engineers
Schuster, D., Ososky, Jentsch, F., Phillips, E., Lebiere, C., Evans, III, A. W.	A research approach to shared mental models and situation assessment in future robot teams	2011	Conf paper	Proceedings	55th Annual Meeting of the Human Factors and Ergonomics Society, Las Vegas, NV. Santa Monica, CA: Human Factors and Ergonomics Society
Schuster, D., Rivera, J., Sellers, B. C., Fiore, S. M., & Jentsch, F.	Perceptual training for visual search	2013	Co author	Journal	Ergonomics. doi:10.1080/00140139.2013.790481
Sciarini, L. W., Fidopiastis, C., & Nicholson, D.	Toward a modular cognitive state gauge: Assessing spatial ability utilization with multiple physiological measures	2009	Conf paper	Proceedings	53rd Annual Conference of the Human Factors and Ergonomics Society, October 19-23, 53(3), 146-150. Santa Monica, CA: Human Factors and Ergonomics Society (HFES)
Sciarini, L.W. & Nicholson, D.M.	Assessing cognitive state with multiple physiological measures: A modular approach	2009	Chapter	Book	D.D. Schmorrow, I.V. Estabrooke, & M. Grootjen (Eds.), Foundations of Augmented Cognition: Neuroergonomics and Operational Neuroscience, Human Computer Interaction International (HCI) 2009, July 19-24, LNAI 5638, 533-542. Berlin: Springer-Verlag
Sciarini, L.W., Kemper, D., Guay, L., & Nicholson, D.M.	Performance of egocentric range estimation in a laptop based virtual environment	Sep-08	Conf paper	Proceedings	52nd Annual Conference of the Human Factors and Ergonomics Society, September 22-26, 52(27), 2122-2126. Santa Monica, CA: Human Factors and Ergonomics Society (HFES)
Scielzo, S, Fiore, S. M., & *Cuevas, H. M.	Designing Learner-Centered Multimedia Technology	2009	Chapter	Authors	Mehdi Khosrow-Pour, Encyclopedia of Information Science and Technology, 2nd Edition
Scielzo, S., Fiore, S. M., Jentsch, F., & Rehfeld, S.	Criterion Shift and Anchoring in a Discrimination Training Paradigm: the Importance of Pre-Training	2008	Paper	Proceedings	52nd Annual Meeting of the Human Factors and Ergonomics Society

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Author	Title	Date	Publication	Category	Project
Sellers, B. C., & Fiore, S. M.	Sustainable and User-Centered: Applying Human Factors Solutions Towards Improving Effectiveness of "Green" Buildings	2013	paper	Proceedings	Proceedings of 57th Annual Meeting of the Human Factors and Ergonomics Society (pp. 550-554). Santa Monica, CA
Sellers, B., Fincannon, T., & Jentsch	Effects of autonomy and cognitive abilities on workload and supervisory control of unmanned systems	2012	Conf paper	Proceedings	56th Annual Meeting of the Human Factors and Ergonomics Society. Santa Monica, CA: Human Factors and Ergonomics Society
Sellers, B., Fincannon, T., & Jentsch, F.	Indexing spatial ability across team size: The influence of the weakest link, strongest link, and aggregate ability on performance with multiple unmanned systems	2011	Conf paper	Proceedings	55th Annual Meeting of the Human Factors and Ergonomics Society, Las Vegas, NV. Santa Monica, CA: Human Factors and Ergonomics Society
Sellers, B., Fiore, S. M., *Rivera, J., & Jentsch, F.	Research Issues for Collaborative versus Individual Training in the X-Ray Screening Task	2009	Paper	Proceedings	53rd Annual Meeting of the Human Factors and Ergonomics Society
Sellers, B., Rivera, J., Fiore, S. M., Schuster, D., & Jentsch, F.	Assessing X-Ray Security Screening Detection Following Training With and Without Threat-Item Overlap	2010	Paper	Proceedings	54th Annual Meeting of the Human Factors and Ergonomics Society
Sellers, B.C., Fiore, S. M., & Szalma, J.	Developing a scale of environmental efficacy	2014	Co author	Journal	The International Journal of Sustainability Policy and Practice, 8, 4, 169-195
Shapiro, M.J., Gardner, R., Godwin, S.A., Jay, G.D., Lindquist, D.G., Salisbury, M.L., & Salas, E.	Defining team performance for simulation-based training: Methodology, metrics, and opportunities for emergency medicine	2008	Article	Journal	Academic Emergency Medicine, 15
Shi, Collins, Donate, Liu, Goldiez, et al.	Human-aware robot motion planning with velocity constraints	2008	Conf paper	Proceedings	Proceedings of the 2008 International Symposium on Collaborative Technologies and Systems (CTS 200). Irvine, CA
Shi, Collins, Donate, Liu, Goldiez, et al.	A high-speed robot planning human-friendly motion	2008	Conf paper	Proceedings	Proceedings of the Florida Conference on Recent Advances in Robotics. Melbourne, FL
Shuffler, M.L., DiazGranados, D., & Salas, E.	There's a science for that: Team development interventions in organizations	2011	Article	Journal	Current Directions in Psychological Science, 20
Shuffler, M.L., Pavlas, D., & Salas, E.	Team in the military: A review and emerging challenges	2012	Co author	Chapter	J.H. Laurence & M.D. Matthieu (Eds.) The Oxford Handbook of Military Psychology (pp. 282-310). Oxford: Oxford University Press, Inc.
Shuffler, M.L., Wiese, C.W., Salas, E., & Burke, C.S.	Leading one another across time and space: Exploring shared leadership functions in virtual teams	2010	Article	Journal	Journal of Work and Organizational Psychology, 26
Shumaker, R (Ed.)	Virtual and mixed reality : International conference, virtual and mixed reality	Jul-11	Conference	Proceedings	HCI International , Orlando, FL
Shumaker, R.	Technological Prospects for a Personal Virtual Environment	2008	Chapter	Handbook	PSI Handbook of Virtual Environments for Training and Education [Three Volumes]: Developments for the Military and Beyond, Praeger Publishers Westport, CT

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Author	Title	Date	Publication	Category	Project
Shumaker, R. (Ed.)	Virtual Reality Third International Conference, ICVR 2009	2009	Proceedings	Conference	HCI International 2009, San Diego CA
Sims, D.E., Burke, C.S., Metcalf, D.S., & Salas, E.	Beyond the technology: Research-based guidelines for designing blended learning	2008	Article	Journal	Ergonomics In Design. 16
Sirigampola, Shehan, Steven Zielinski, Glenn A. Martin, Jason Daly and Jaime Flores	Viability of Mobile Devices for Training Purposes	July 2011	Conf paper		HCI International, Orlando
Smith-Jentsch, K.A., Cannon-Bowers, J.A., Tannenbaum, S.I., & Salas, E.	Guided team self-correction: Impact on team mental models, processes, and outcomes	2008	Article	Journal	Small Group Research, 3
Smith-Jentsch, K.A., Kraiger, K., Cannon-Bowers, J.A. & Salas, E.	Do familiar teammates request and accept more backup? A test of transactive memory in commercial Air Traffic Control	2009	Article	Journal	Human Factors, 51
Sollins, B., Chen, D.W., & Reinerman-Jones, L.	Truck Driving Distractions: Impact on Performance and Physiological Response	2014	paper	Proceedings	Proceedings of the Annual International Meeting of the Human Factors and Ergonomics Society (HFES), Chicago, IL
Sprouse, K., Reinerman-Jones, L.E., & Nicholson, D.	Training transfer design theory revisited for application to virtual environments	2010	Conf paper	Proceedings	54th Annual Meeting of the Human Factors and Ergonomics Society (HFES)
Stagl, K. C., Salas, E., & Fiore, S. M.	Best practices in cross training teams	2007	Chapter	Authors	Nembhard. Workforce cross training handbook
Stagl, K. C., Sheehan, J., Fowlkes, J., Shrader, D., Rosopa, P. J., & Jentsch, F.	Raven B small unmanned aircraft system initial qualification training: Training effectiveness evaluation & analysis of alternative training simulator systems	2010	Conf paper	Proceedings	AUVSI Unmanned Systems North America Conference 2010 (v 3, pp. 1906-1938). Arlington, VA: AUVSI
Stagl, K. C., Sheehan, J., Fowlkes, J., Shrader, D., Rosopa, P. J., & Jentsch, F.	Engineering the evolution of expertise: Enhancing unmanned aircraft system operator and crew effectiveness	2010	Conf paper	Proceedings	AUVSI Unmanned Systems North America Conference 2010 (v 3, pp. 1968-1987). Arlington, VA: AUVSI
Stagl, K. C., Schatz, S., Fowlkes, J., Santarelli, T. & Zachary, Z.	Design specifications for the Scenario-Based Training Automated Collection and Evaluation System (SBT-ACES)				Denise Nicholson & Sae Schatz (Chairs), Making the implicit explicit: Operationalizing tacit facets of scenario-based training, 54th annual meeting of the Human Factors and Ergonomics Society (HFES), San Francisco, CA, September 27-October 1, 2010
Stagl, K.C. & Salas, E.	Best practices in building more effective teams	2008	Co author	Chapter	R. Burke & C. Cooper (Eds.) Building more effective organizations (pp. 160-182). Cambridge, UK: Cambridge University Press
Stagl, K.C., Salas, E., & Day, D.V.	Assessment of team learning outcomes: Improving team learning and performance	2008	Co author	Chapter	V. I. Sessa & M. London (Eds.), Work Group learning (pp. 369-392). Mahwah, NJ: Lawrence Erlbaum and Associates
Studel, H., Kaup, D.J.	Exponential pulse steepening in degenerate two-photon propagation	2012	Article	Journal	J. Phys. B: At. Mol. Opt. Phys. 45

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Author	Title	Date	Publication	Category	Project
Steudel, H., Kaup, D.J.	Inverse Scattering for an AKNS Problem with Rational Reflection Coefficients	2008	Chapter	Journal	Inverse Problems 24, 025015
Stout, R., Bowers, C., & Nicholson, D.	Guidelines for using simulations to train higher level cognitive and teamwork skills	2008	Chapter	Handbook	D.D. Schmorrow, J.V. Cohn, & D.M. Nicholson (Eds.), The PSI Handbook of Virtual Environments for Training and Education. Vol.2: VE Components and Training Technologies (pp. 270-296). Westport, CN: Praeger Security International
Stowers, K., Kramer, W., & Phillips, E.	Culture and human—robot interaction	2014	panel	Proceedings	Proceedings of the 58th Annual Meeting of the Human Factors and Ergonomics Society
Strater, L.D., Lampton, D., Bliss, J.P., Kring, J., Lackey, S., Nicholson, D., Becker, W.J., Riley, J.M., Scielzo, S., Davis, F., & Hyatt, J.	Leveraging virtual reality and computer-based games for training	2009	Panel session	Conference	53rd Annual Conference of the Human Factors and Ergonomics Society. October 19-23, 53(27), 1984-1985. Santa Monica, CA: Human Factors and Ergonomics Society (HFES)
Streater, J. Elias, J., Bockelman Morrow, P., & Fiore, S. M.	Towards an Interdisciplinary Understanding of Perspective for Human-Robot Teamwork	2011	Paper	Proceedings	55th Annual Meeting of the Human Factors and Ergonomics Society
Sukthankar, G., Shumaker, R., Lewis, M.	Intelligent Agents as Teammates	2010	Chapter	Book	Theories of Team Cognition: Cross-Disciplinary Perspectives, Salas, Fiore, Letsky ed. Taylor & Francis
Talone, A. B., Jentsch, F., & Hudson, I. L.	Moving the field of unmanned vehicle research forward: Specifying features for simulations to study human-robot interaction	2014	paper	Proceedings	Proceedings of the Association for Unmanned Vehicle Systems International's (AUVSI's) Unmanned Systems 2014 Conference
Talone, A., Fincannon, T., Schuster, D., Jentsch, F., & Hudson, I.	Comparing physical and virtual simulation use in UGV research: Lessons learned from HRI research with two test beds	2013	paper	Proceedings	Proceedings of the Human Factors and Ergonomics Society Annual Meeting, 57(1), 2017-2021
Tannenbaum, S., Beard, R., McNall, L.A. & Salas, E.	Informal learning and development in organizations	2010	Co author	Chapter	S.W. J. Kozlowski, & E. Salas, (Eds.), Learning, training, and development in organizations. (pp. 303-332) Mahwah, NJ: Taylor Francis
Tannenbaum, S.I., Mathieu, J.E., Salas, E., & Cohen, D.	Teams are changing: Are research and practice evolving fast enough?	2012	Article	Journal	Industrial and Organizational Psychology, Perspectives on Science and Practice 5
Tannenbaum, S.I., Mathieu, J.E., Salas, E., & Cohen, D.	On teams: Unifying themes and the way ahead.	2012	Article	Journal	Industrial and Organizational Psychology: Perspectives on Science and Practice, 5
Taylor, A. H. & Schatz, S.	Measuring the effectiveness of stress prevention programs in military personnel	2011	Conf paper	Proceedings	Sixth Annual AugCog International Conference, Orlando, FL, 9-14 July 2011
Taylor, G. & Schmidt, C.	Empirical evaluation of the Emotiv EPOC BCI headset	2012	Paper	meeting	Human Factors and Ergonomics Society Annual Meeting, Boston, MA

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Author	Title	Date	Publication	Category	Project
Taylor, G., Reinerman-Jones, L., Szalma, J., Hancock, P., & Mouloua, M.	What to automate: Addressing the multidimensionality of cognitive resources through system design	2012	Article	Journal	Journal of Cognitive Engineering and Decision Making (under review)
Taylor, G., Reinerman-Jones, L.E., Cosenzo, K., & Nicholson, D.	Integrating multiple sensors to classify operator state in adaptive systems	2010	Conf paper	Proceedings	54th Annual Meeting of the Human Factors and Ergonomics Society (HFES)
Taylor, G.S., Reinerman-Jones, L.E., Szalma, J.L., Hancock, P.A., & Mouloua, M.	What to automate: Addressing the multidimensionality of cognitive resources through system design	2013	Co author	Journal	Journal of Cognitive Engineering and Decision Making
Teo, G. & Reinerman-Jones, L.	Robot Behavior for Enhanced Human Performance and Workload	2014	paper	Proceedings	Proceedings of the Annual Meeting of HCI International, Crete, Greece
Teo, G., Reinerman-Jones, L., & Barber, D.	Determining Language for Human to Robot Navigational Commands	2014	paper	Proceedings	Proceedings of the Annual International Meeting of the Human Factors and Ergonomics Society (HFES), Chicago, IL
Thayer, A.L., Wildman, J.L. & Salas, E.	Industrial Organizational Psychology: We have the evidence, we just don't use it (or care)	2011	Article	Journal	Industrial and Organizational Psychology: Perspectives on Science and Practice. 4
Thornson, Carol A., Goldiez, Brian F., Le, Huy	Predicting presence: constructing the tendency toward presence inventory	2008	Article	Journal	International Journal of Human-Computer Studies
Thurston, Casey and Glenn A. Martin	A Generic After Action Review Capability for Game-based Training	July 2011	Conf paper		HCI International, Orlando
Tolk, Adam, Cayirci, Pickl, Shumaker, and Sullivan	Defense and Security Applications of M&S - Grand Challenges and Current Efforts	2012	Conf paper	Proceedings	Winter Simulation Conference
Varcholik, P., Barber, D., Nicholson, D.	Interactions and training with unmanned systems and the Nintendo Wiimote	Dec-08	Conf paper	Proceedings	Interservice/Industry Training, Simulation, and Education Conference (I/ITSEC), December 1-4. Orlando, FL: I/ITSEC 2008
Vartak, A., Fidopiastis, C., Nicholson, D., & Mikhael, W.	Estimation of arousal using decomposed skin conductance feature	2009	Article	Periodical	Biomedical Sciences Instrumentation, 45, 77-82
Vartak, A., Siddharth, S., Fidopiastis, C., & Nicholson, D.	Converging minds: Assessing team performance using psychophysiological measures	2009	Chapter	Book	D.D. Schmorrow, I.V. Estabrooke, & M. Grootjen (Eds.), Foundations of Augmented Cognition: Neuroergonomics and Operational Neuroscience, Human Computer Interaction International (HCII) 2009, July 19-24, LNAI 5638, 299-303. Berlin: Springer-Verlag
Vartak, A.A., Fidopiastis, C., Nicholson, D., Mikhael, W., & Schmorrow D.	Cognitive state estimation for adaptive learning systems using wearable physiological sensors	Jan-08	Conf paper	Proceedings	1st International Conference on Biomedical Electronics and Devices (Biosignals 2008), Funchal, Maderia, Portugal, January 28-31. 147-152
Vice, J., Skinner, A., Berka, C., Reinerman-Jones, L., Barber, D., Pojman, N., Tan, V., et al.	Perceptually-Informed Virtual Environment (PerceiVE)	2011	Chapter	Book	D. Schmorrow & C. Fidopiastis (Eds.), Foundations of Augmented Cognition. Directing the Future of Adaptive Systems (1st ed.). Orlando, FL: Springer

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Vice, J.M., Skinner, A.,Berka, C., Reinerman-Jones, L., Barber, D., Pojman, N., Tan, V., Sebrechts, M.M., Lathan. C.E.	Use of Neurophysiological Metrics within a Real and Virtual Perceptual Skills Task to Determine Optimal Simulation Fidelity Requirements	2011	Conf paper	Proceedings	2011 International Conference on Virtual and mixed reality (HCII) July 9-14 2011
Vogel, A. L., Hall, K. L., Fiore, S. M., Klein, J. T., Bennett, L. M., Gadlin, H., Stokols, D., Nebeling, L. C., Wuchty, S., Patrick, K., Spotts, E. L., Pohl, C., Riley, W. T., Falk-Krzesinski, H. J.	The Team Science Toolkit: Enhancing Research Collaboration Through Online Knowledge Sharing	2013	Co author	Journal	American Journal of Preventative Medicine, 45(6), 787–789
Vogel-Walcutt, J. & Abich, J.	Using neuro-physiological data to inform feedback timing: a pilot study	2011	Conf paper	Proceedings	6th International Conference of HCI International 2011, Orlando, FL (HCI 2011), July 9-14, 2011
Vogel-Walcutt, J. J., Malone, N., & Schatz, S.	Simulation based learning	2010	Chapter	Handbook	J. Hattie & E. Anderman (Eds.) International Handbook of Student Achievement. London/New York: Routledge
Vogel-Walcutt, J., Abich, J., IV & Schatz, S.	Boredom of learning	2012	Chapter	book	N.M. Seel (Ed.), Springer Encyclopedia of the Sciences of Learning (1st ed., Vol. 1, p. 171) New York, NY: Springer Science + Business Media, LLC
Vogel-Walcutt, J., Fiore, S..	Insights from empirical metacognitive research.	2010	Conf paper	Proceedings	2010 Spring Simulation Multiconference on SpringSim 10
Vogel-Walcutt, J., Marshall, R., Fowlkes, J., Schatz, S., Dolletski-Lazar, R., Nicholson, D.	Effects of Instructional Strategies Within an Instructional Support System to Improve Knowledge Acquisition and Application	2011	Conf paper	Proceedings	Human Factors and Ergonomics Society Conference 2011, (HFES 2011), September 19-23, 2011
Vogel-Walcutt, J.J. Gebrim, J. B., & Nicholson, D.	Animated versus static images of team processes to affect knowledge acquisition and learning efficiency	2010	Article	Journal	Journal of Online Learning and Teaching, 6(1), 163-173
Vogel-Walcutt, J.J., Bowers, C.A., Marino-Carper, T., & Nicholson, D.	Increasing Learning efficiency in military learning: Combining efficiency and deep learning theories	2010	Article	Periodical	Military Psychology
Vogel-Walcutt, J.J., Gebrim, J.B., Nicholson, D.	Cognitive load theory vs. constructivist approaches: Which best leads to efficient, deep learning?	2011	Article	Journal	Journal of Computer Assisted Learning
Vogel-Walcutt, J.J., Marino-Carper, T., Bowers, C., & Nicholson, D.	Utilizing learners' internal states to drive feedback decisions: A preliminary investigation	2010	Article	Journal	Journal of Educational Computing Research
Vogel-Walcutt, J.J., Nicholson, D.M., & Bowers, C.	Translating learning theories into physiological hypotheses	2009	Chapter	Book	D.D. Schmorrow, I.V. Estabrooke, & M. Grootjen (Eds.), Foundations of Augmented Cognition: Neuroergonomics and Operational Neuroscience, Human Computer Interaction International (HCII) 2009, LNAI 5638, 678-686. Berlin: Springer-Verlag

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Vogel-Walcutt, J.J., Schatz, S., Bowers, C.A., Gebrim, J.B., Sciarini, L., & Nicholson, D.	Augmented cognition and training in the laboratory: DVTE system validation	Sep-08	Conf paper	Proceedings	52nd Annual Conference of the Human Factors and Ergonomics Society, September 22-26, 52(3), 187-191. Santa Monica, CA: Human Factors and Ergonomics Society (HFES)
Vogel-Walcutt, J.J., Schatz, S.L., Bowers, C.A., & Nicholson, D.	Learning efficiency in complex domains: Implications from cognitive load theory	Jul-08	Abstract	Conference	2nd International Conference on Applied Ergonomics, July 14-17, Las Vegas, NV
Vogel-Walcutt, J.J., Fiore, S.M., Bowers, C., & Nicholson, D.	Embedding metacognitive prompts during SBT to improve knowledge acquisition	2009	Conf paper	Proceedings	53rd Annual Conference of the Human Factors and Ergonomics Society, October 19-23, 53(26), 1939-1943. Santa Monica, CA: Human Factors and Ergonomics Society (HFES)
Walters, L. C.	1964-65 New York World's Fair and Future Technology: A Study of the Japan Pavilion	2014	author	Chapter	Meet Me at the Fair: A World's Fair Reader, Eds. Celia Pearce et al., Carnegie Mellon University Press, Pittsburgh
Walters, L. C., Hughes, D. E., Gertrudix Barrio, M. & Hughes, C. E.	ChronoLeap: The Great World's Fair Adventure	2013	paper	Proceedings	HCI International 2013 (HCI2013), Las Vegas, NV, July 21-26. In Lecture Notes in Computer Science, Volume 8022, Springer-Verlag, Heidelberg, 426-435
Wang-Costello, Jingjing; Tarr, R.W. Marraffino, Andrea	A Validation Study for the Combat Hunter Computer-Based Pre-Trainer	2013	paper	Proceedings	I/ITSEC, Dec 2013
Wang-Costello, Jingjing; Tarr, R.W., Cintron, L, Hong Jiang	Creating an Advanced Pedagogical Model to Improve Intelligent Tutoring Technologies	2013	paper	Proceedings	I/ITSEC, Dec 2013
Washburn, D., Wiegand, P., Tafur, S., Goldiez, B., Alfaro, J., Williams, M.	Improving scalability of large federations that use UDP multicast	2011	Paper	Conference	Interservice/Industry Simulation, Education, and Training Conference. Presented Orlando, FL
Weaver, S.J., & Wildman, J.L., & Salas, E.	How to build expert teams	2008	Co author	Chapter	C.L. Cooper & R.J. Burke (Eds), The Peak Performing Organization. Oxford, UK: Taylor & Francis, Ltd.
Weaver, S.J., Bedwell, W.L. & Salas, E.	Training teams to cope with errors: A multi-level framework for instructional strategies & transfer	2011	Co author	Chapter	D. Hofmann and M. Freese (Eds.) Errors in Organizations. (pp. 143-176). Lawrence Erlbaum
Weaver, S.J., Lyons, R., DiazGranados, D., Rosen, M.A., Salas, E., Olgesby, J., Birnbach, D.J., Augenstein, J.S., Robinson, D.W., & King, H.B.	The anatomy of healthcare team training and the state of practice: A critical review	2010	Article	Journal	Academic Medicine, 85
Weaver, S.J., Rosen, M.A., DiazGranados, D., Lazzara, E.H., Lyons, R., Salas, E., Knych, S.A., McKeever, M., Adler, I., Barker, M., & King, H.	Does teamwork improve performance in the operating room?: A multi-level evaluation	2010	Article	Journal	The Joint Commission Journal on Quality and Patient Safety, 36

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Weaver, S.J., Salas, E., & King, H.B.	Twelve best practices for team training evaluation in health care	2011	Article	Journal	The Joint Commission Journal on Quality and Patient Safety, 37
Weaver, S.J., Wildman, J.L. & Salas, E.	How to build expert teams: Best practices	2009	Co author	Chapter	R.J. Burke & C.L. Cooper (Eds.) The peak performing organization (pp. 129-156). New York, NY: Routledge
Weaver, S.L., Rosen, M.A., Salas, E., Baum, K.D., & King, H.B.	Integrating the science of team training: Guidelines for continuing medical education	2010	Article	Journal	Journal of Continuing Education in the Health Professions
Weaver, S.L., Salas, E., Lyons, R., Lazzara, E.H., Rosen, M.A., DiazGranados, D., Grim, J.G., Augenstein, J.S., Birnback, D.J., & King, H.B.	Simulation-based team training (SBTT) at the Sharp End: A qualitative study of SBTT design, implementation, and evaluation in healthcare	2010	Article	Journal	Journal of Emergencies, Trauma, and Shock, 3(4)
Welch, G., Rivera-Gutierrez, D., Lincoln, P., Whiton, M., Cendan, J., Chesnutt, D., Huchs, H., Lok, B., Skarbez, R.	Physical manifestations of virtual patients	Dec. 2011	Article	Journal	Simulation in Healthcare, 6:6
Wiese, C. W., Pavlas, D., & Fiore, S. M.	Towards a Quantification Scheme for External Representations in Team Cognition Research	2011	Paper	Proceedings	55th Annual Meeting of the Human Factors and Ergonomics Society
Wildman, J. L., Shuffler, M. L., Lazzara, E. H., Fiore, S. M., Burke, C. S., Salas, E., & Garven, S.	Trust Development in Swift Starting Action Teams: A Multilevel Framework	2012	Co author	Journal	Group and Organization Management, 37(2)
Wildman, J., Shuffler, M., Fiore, S., Lazzara, E. H., Rosen, M., Xavier, L. et al.	Adopting the Training Cycle for Trust Training in Swiftly Starting Action Teams	2009	Paper	Proceedings	53rd Annual Meeting of the Human Factors and Ergonomics Society
Wildman, J.L. Thayer, A.L., Rosen, M.A., Salas, E., Mathieu, J.E. & Raynes, S.R.	Task types and team-level attributes: Synthesis of the classification literature	2013	Article	Journal	Human Resources Development Review
Wildman, J.L., & Salas, E.	Making it practical: Simulation, naturalistic decision making, and complexity in team performance	2009	Co author	Chapter	Multi-Level issues in organizational behavior and leadership research Vol. 8
Wildman, J.L., Fiore, S.M., Burke, C.S., Salas, E.	Trust in swift starting action teams: Critical considerations	2011	Co author	Chapter	N.A. Stanton (Ed.), Trust in Military Teams (pp. 71-88). Surrey, England: Ashgate Publishing
Wildman, J.L., Thayer, A.L., Pavlas, D., Salas, E., Stewart, J.E., & Howse, W.	Team knowledge research: Emerging trends and critical needs	2012	Article	Journal	Human Factors, 54

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Author	Title	Date	Publication	Category	Project
Wildman, J.L., Xavier, L.F., Tindall, M. & Salas, E.	Best practices for training intercultural competence in global organizations	2010	Co author	Chapter	K. Lundy (Ed). Going global: Practical application and recommendations for HR and OD professional in the global workplace. (pp. 250-294) San Francisco, CA: Wiley & Sons
Wilson, K.A., Bedwell, W.L., Lazzara, E.H., Salas, E., Burke, C.S., Estock, J., Orvis, K.L., & Conkey, C.	Relationships between game attributes and learning outcomes	2009	Article	Journal	Simulation & Gaming: An Interdisciplinary Journal, 40
Wilson, K.A., Guthrie, J.W., Salas, E., & Howse, W.	Team processes and their training in aviation: An update	2013	Co author	Chapter	D. Garland, J.A. Wise, & V.D. Hopkin (Eds.), Handbook of aviation human factors (2nd Ed.). Mahwah, NJ: LEA
Wilson, K.A., Pavlas, D., Sharit, J., and Salas, E.	Tips for implementing new technologies in healthcare: A human factors approach	2010	Article	Journal	Ergonomics in Design, 18
Wilson, K.A., Salas, E., & Andrews, D.H.	Preventing errors in the heat of battle: Formal and informal learning strategies to prevent teamwork breakdowns	2010	Co author	Chapter	D.H. Andrews, R.P. Herz & M.B. Wolf (Eds), Human factors issues in combat identification (pp. 1-22) Aldershot, England: Ashgate
Wilson, K.A., Salas, E., Rosen, M., Taekman, J., & Augenstein, J.L.	Games doctors play: Guiding principles for using simulations to train shared cognition	2009	Article	Journal	Cognitive Technology, 13
Wiltshire, T. J., *Lobato, E. J. C., *Wedell, A. V., Huang, W., Axelrod, B., & Fiore, S. M.	Effects of Robot Gaze and Proxemic Behavior on Perceived Social Presence During a Hallway Navigation Scenario	2013	paper	Proceedings	Proceedings of 57th Annual Meeting of the Human Factors and Ergonomics Society (pp. 1273-1277). Santa Monica, CA: Human Factors and Ergonomics Society
Wiltshire, T. J., Barber, D., & Fiore, S. M.	Towards Modeling Social-Cognitive Mechanisms in Robots to Facilitate Human-Robot Teaming	2013	paper	Proceedings	Proceedings of 57th Annual Meeting of the Human Factors and Ergonomics Society (pp. 1278-1282). Santa Monica, CA: Human Factors and Ergonomics Society
Wiltshire, T. J., Lobato, E. J. C., *Velez, J., Jentsch, F. G., & Fiore, S.	An interdisciplinary taxonomy of social cues and signals in the service of engineering robotic social intelligence		paper	Proceedings	SPIE DSS Unmanned Systems Technology XVI. Society for Optics and Photonics
Wiltshire, T.J., *Lobato, E.J.C., Jentsch, F., & Fiore, S. M.	Will (dis)Embodied LIDA Agents be Socially Interactive?	2013	Co author	Journal	Journal of Artificial General Intelligence. 4(2), 23-58
Wu A.S., Wiegand, R.P., and Pradhan, R.	Using response probability to build system redundancy in multiagent systems	2013	paper	Proceedings	Proceedings of the 2013 International Conference on Autonomous Agents and Multi-Agent Systems
Yang, J., Kaup, D.J.	Squared Eigenfunctions for the Sasa-Satsuma Equation	2009	Article	Journal	J. Math. Phys. 50
Zhang, J., Welch, G., Bishop G., & Huang Z.	A two-stage Kalman filtering scheme for robust and real-time power systems state tracking	2014	Co author	Journal	IEEE Transactions on Sustainable Energy, 5(2), 629-636
Zhou, N., Zhenyu, H., Li, Y., Welch, G.	Local Sequential Ensemble Kalman Filter for Simultaneously Tracking States and Parameters	Sept. 2012	Conf paper	Proceedings	North American Power Symposium, (Urbana-Champaign, IL USA)
Zhou, N., Zhenyu, H., Welch, G., Zhang, J.	Identifying the optimal measurement subspace for the ensemble kalman filter	May-12	Article	Journal	IET Electronics Letters, 48:1

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	University of Central Florida I-Corps Sites Program: Enhancing technology commercialization at a world-class innovation				