

CURRICUM VITAE

Jamie C. Gorman

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I. GENERAL INFORMATION

• CONTACT INFORMATION

- School of Psychology, Georgia Institute of Technology, 654 Cherry St. NW, Atlanta, GA 30332
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• EDUCATION

- PhD in Psychology, 2006, New Mexico State University, Las Cruces NM
- MA in Psychology, 2003, New Mexico State University, Las Cruces NM
- BA in Psychology, 2000, University of Texas at San Antonio, San Antonio TX

• ACADEMIC POSITIONS

- Associate Professor, School of Psychology, Georgia Institute of Technology, Atlanta GA, 2015-Present
- Assistant Professor, Department of Psychological Sciences, Texas Tech University, Lubbock TX, 2010-2015

• ACADEMIC TRAINING POSITIONS

- Adjunct Faculty, Applied Psychology, Arizona State University Polytechnic, Mesa AZ, 2007-2010
- Post Doctoral Research Associate, Applied Psychology, Arizona State University, Mesa AZ, 2007-2010
- Post Doctoral Research Associate, Psychology, Arizona State University, Tempe AZ, 2007-2010
- Post Doctoral Research Associate, Cognitive Engineering Research Institute, Mesa, AZ, 2007-2010

• KEY WORDS FOR TEACHING INTERESTS

- Cognitive Ergonomics; Engineering Psychology; Dynamics; Human Factors; Research Design; Statistics

• KEY WORDS FOR RESEARCH INTERESTS

- A variety of topics in human factors and basic research in cognitive and motor performance: Communication analysis; Dynamical Systems Theory; Human-systems Integration; Team Neurophysiology; Team Cognition; Team Coordination; Team Physiology; Team Situation Awareness; Team Training and Assessment

II. RESEARCH

• JOURNAL ARTICLES

1. Gorman, J. C., Dunbar, T. A., Grimm, D., & Gipson, C. L. (2017). Understanding and modeling teams as dynamical systems. *Frontiers in Psychology, 8*, 1053.
2. Gorman, J. C., Amazeen, P. G., Crites, M. J., & Gipson, C. L. (2017). Deviations from mirroring in interpersonal multifrequency coordination when visual information is occluded. *Experimental Brain Research, 235*, 1209-1221.
3. DeLucia, P. R., Meza-Arroyo, M., Baures, R., Ranjit, M., Hsiang, S., & Gorman, J. C. (2016). Continuous response monitoring of relative time-to-contact judgments: Does effective information change during an approach event? *Ecological Psychology, 28*, 1-22.
4. Gipson, C. L., Gorman, J. C., & Hessler, E. E. (2016). Top-down (prior knowledge) and bottom-up (perceptual modality) influences on spontaneous interpersonal synchronization. *Nonlinear Dynamics, Psychology, and Life Sciences, 20*, 193-222.
5. Gorman, J. C., Martin, M. J., Dunbar, T. A., Stevens, R. H., Galloway, T., Amazeen, P. G., & Likens, A. D. (2016). Cross-level effects between neurophysiology and communication during team training. *Human Factors, 58*, 181-199.
6. Gorman, J. C. & Crites, M. J. (2015). Learning to tie well with others: Bimanual versus intermanual performance of a highly practised skill. *Ergonomics, 58*, 680-697.
7. Gorman, J. C. (2014). Team coordination and dynamics: Two central issues. *Current Directions in Psychological Science, 23*, 355-360.
8. Likens, A. D., Amazeen, P. G., Stevens, R., Galloway, T., & Gorman, J. C. (2014). Neural signatures of team coordination are revealed by multifractal analysis. *Social Neuroscience, 9*, 219-234.
9. Cooke, N. J., Gorman, J. C., Meyers, C. W., & Duran, J. L. (2013). Interactive team cognition. *Cognitive Science, 37*, 255-285.
10. Gorman, J. C. & Crites, M. J. (2013). Are two hands (from different people) better than one? Mode effects and differential transfer between manual coordination modes. *Human Factors, 55*, 815-829.
11. Stevens, R. H., Gorman, J. C., Amazeen, P. G., Likens, A., Galloway, T. (2013). The organizational neurodynamics of teams. *Nonlinear Dynamics, Psychology, & Life Sciences, 17*, 67-86.
12. Cooke, N. J., Duchon, A., Gorman, J. C., Keyton, J., & Miller, A. (2012). Preface to the special section on methods for the analysis of communication. *Human Factors, 54*, 485-488. (Introduction to a special section)
13. Gorman, J. C., Hessler, E. E., Amazeen, P. G., Cooke, N. J., & Shope, S. M. (2012). Dynamical analysis in real time: Detecting perturbations to team communication. *Ergonomics, 55*, 825-839.
14. Gorman, J. C., Cooke, N. J., Amazeen, P. G., & Fouse, S. (2012). Measuring patterns in team interaction sequences using a discrete recurrence approach. *Human Factors, 54*, 503-517.

15. Gorman, J. C. & Cooke, N. J. (2011). Changes in team cognition after a retention interval: The benefits of mixing it up. *Journal of Experimental Psychology: Applied*, 17, 303-319.
 16. Gorman, J. C., Amazeen, P. G., & Cooke, N. J. (2010). Team coordination dynamics. *Nonlinear Dynamics, Psychology, and Life Sciences*, 14, 265-289.
 17. Gorman, J. C., Cooke, N. J., & Amazeen, P. G. (2010). Training adaptive teams. *Human Factors*, 52, 295-307.
 18. Gorman, J. C., Cooke, N. J., & Salas, E. (2010). Preface to the special issue on collaboration, coordination, and adaptation in complex sociotechnical settings. *Human Factors*, 52, 143-146. (Introduction to a special issue)
 19. Salas, E., Cooke, N. J., & Gorman, J. C. (2010). The science of team performance: Progress and the need for more... *Human Factors*, 52, 344-346.
 20. Cooke, N. J. & Gorman, J. C. (2009). Interaction-based measures of cognitive systems. *Journal of Cognitive Engineering and Decision Making*, 3, 27-46.
 21. Cooke, N. J., Gorman, J. C., Duran, J. L., & Taylor, A. R. (2007). Team cognition in experienced command-and-control teams. *Journal of Experimental Psychology: Applied*, 13, 146-157.
 22. Gorman, J. C., Cooke, N. J., & Winner, J. L. (2006). Measuring team situation awareness in decentralized command and control systems. *Ergonomics*, 49, 1312-1325.
- **BOOK CHAPTERS**
 23. Cooke, N. J. & Gorman, J. C. (2013). Microworld experimentation with teams. In J. D. Lee & A. Kirlik (Eds.), *The Oxford handbook of cognitive engineering, Vol. 2: Methods, models, and technologies* (pp. 327-335). New York, NY: Oxford University Press.
 24. Cooke, N. J., Gorman, J. C., Myers, C. W., Duran, J., & Andrews, D. (2013). Retention of team coordination skill. In W. Arthur, E. A. Day, W. Bennett, & A. M. Portrey (Eds.), *Individual and team skill decay: State of the science and implications for practice* (pp.). New York, NY: Routledge.
 25. Cooke, N. J., Gorman, J. C., Myers, C. W., & Duran, J. L. (2012). Theoretical underpinnings of interactive team cognition. In E. Salas, S. Fiore, & M. Letsky (Eds.), *Theories of team cognition: Cross-disciplinary perspectives* (pp. 187-207). New York, NY: Routledge.
 26. Gorman, J. C., Cooke, N. J., & Winner, J. L. (2011). Measuring team situation awareness in decentralized command and control environments. In E. Salas & S. Dietz (Ed.), *Situational awareness: Critical essays on human factors in aviation* (pp. 183-196). London, UK: Ashgate. [Original article published in *Ergonomics*, 49, 1312-1325]
 27. Cooke, N. J. & Gorman, J. C. (2010). The pragmatics of communication-based methods for measuring macrocognition. In E. S. Patterson & J. Miller (Eds.), *Macrocognition metrics and scenarios: Design and evaluation for real-world teams* (pp. 161-178). Burlington, VT: Ashgate.
 28. Cooke, N. J., Gorman, J. C., & Rowe, L. J. (2009). An ecological perspective on team cognition. E. Salas, J. Goodwin, & C. S. Burke (Eds.), *Team effectiveness in complex organizations: Cross-disciplinary perspectives and approaches, SIOP Frontiers Series* (pp. 157-182). New York, NY: Taylor & Francis.

29. Gorman, J. C., Cooke, N. J., & Duran, J. L. (2009). Development of simulated team environments for measuring team cognition and performance. In D. Schmorrow, J. Cohen, & D. Nicholson (Eds.), *PSI handbook of virtual environments for training and education* (pp. 347-361). Westport, CT: Praeger Security International.
 30. Cooke, N. J., Gorman, J. C., & Kiekel, P. A. (2008). Communication as team-level cognitive processing. In M. Letsky, N. Warner, S. Fiore & CAP Smith (Eds.), *Macro cognition in teams* (pp. 51-64). Burlington, VT: Ashgate.
 31. Cooke, N. J., Gorman, J. C., & Winner, J. L. (2007). Team cognition. In F. T. Durso, R. Nickerson, S. Dumais, S. Lewandowsky, & T. Perfect (Eds.), *Handbook of applied cognition, 2nd ed.* (pp. 239-268). Chichester, UK: John Wiley & Sons, Ltd.
 32. Cooke, N. J., Gorman, J., Pedersen, H., & Bell, B. (2007). Distributed mission environments: Effects of geographic distribution on team cognition, process, and performance. In S. Fiore & E. Salas (Eds.), *Toward a science of distributed learning* (pp 147-167). Washington, DC: American Psychological Association.
 33. Cooke, N. J., Pedersen, H. K., Gorman, J. C., & Connor, O. (2006). Acquiring team-level command and control skill for UAV operation. In N. J. Cooke, H. Pringle, H. Pedersen, & O. Connor (Eds.), *Human factors of remotely piloted vehicles* (pp. 287-300). Oxford, UK: Elsevier.
 34. Cooke, N.J. & Gorman, J.C. (2005). Assessment of team cognition. In W. Karwowski (Ed.), *International encyclopedia of human factors and ergonomics, 2nd ed.* (pp. 270-275). Boca Raton, FL: CRC Press.
- **PEER-REVIEWED PROCEEDINGS**
 35. Crites, M. J. & Gorman, J. C. (in press). Bimanual coupling and the intermanual speed advantage. In *Proceedings of the Human Factors and Ergonomics Society 59th Annual Meeting*.
 36. Grimm, D., Gorman, J. C., Stevens, R. H., Galloway, T., Willemsen-Dunlap, A. M., & Halpin, D. J. (in press). Demonstration of a method for real-time detection of anomalies in team communication. In *Proceedings of the Human Factors and Ergonomics Society 59th Annual Meeting*.
 37. Stevens, R. H., Galloway, T., Gorman, J. C., Willemsen-Dunlap, A. M., & Halpin, D. J. (2016). Toward objective measures of team dynamics during healthcare simulation training. *Proceedings of the International Symposium on Human Factors and Ergonomics in Health Care* (pp. 50-54). Sage.
 38. Salas, E., Stevens, R., Gorman, J. C., Cooke, N. J., Guastello, S. J., & von Davier, A. A. (2015). What will quantitative measures of teamwork look like in 10 years? In *Proceedings of the Human Factors and Ergonomics Society 57th Annual Meeting* (pp. 235-239). Santa Monica, CA: Human Factors and Ergonomics Society.
 39. Crites, M. J. & Gorman, J. C. (2013). Learning to tie well with others: Bimanual vs. intermanual coordination during shoe-tying. In *Proceedings of the Human Factors and Ergonomics Society 57th Annual Meeting* (pp. 1377-1381). Santa Monica, CA: Human Factors and Ergonomics Society.
 40. Gorman, J. C., Martin, M. J., Dunbar, T. A., Stevens, R. H., & Galloway, T. (2013).

Dynamics of semantic content during submarine piloting and navigation: Theory and metrics. *Fifteenth International Conference on Human-Computer Interaction, Lecture Notes in Computer Science 2013*, 143-152.

41. Cooke, N. J., Amazeen, P. G., Gorman, J. C., Guastello, S. J., Likens, A., & Stevens, R. (2012). Modeling the complex dynamics of teamwork from team cognition to neurophysiology. In *Proceedings of the Human Factors and Ergonomics Society 56th Annual Meeting (pp. 183-187)*. Santa Monica, CA: Human Factors and Ergonomics Society.
42. Crites, M. J. & Gorman, J. C. (2012). Are two hands (from different people) better than one? Transfer between unimanual, bimanual, and intermanual coordination modes. In *Proceedings of the Human Factors and Ergonomics Society 56th Annual Meeting (pp. 1386-1390)*. Santa Monica, CA: Human Factors and Ergonomics Society.
43. Fouse, S., Cooke, N. J., Gorman, J. C., Murray, I., Uribe, M., & Bradbury, A. (2011). Effects of role and location switching on team performance in a collaborative planning environment. In *Proceedings of the Human Factors and Ergonomics Society 55th Annual Meeting (pp. 1442-1446)*. Santa Monica CA: Human Factors and Ergonomics Society.
44. Stevens, R. & Gorman, J. C. (2011). Mapping cognitive attractors onto the dynamic landscapes of teamwork. *Fourteenth International Conference on Human-Computer Interaction, Lecture Notes in Computer Science 2011, 6780/2011*, 366-375.
45. Gorman, J. C. (2011). Team coordination dynamics and the interactive approach: Emerging evidence and future work. *Fourteenth International Conference on Human-Computer Interaction, Lecture Notes in Computer Science 2011, 6780/2011*, 298-307.
46. Amazeen, P. G., Gorman, J. C., & Hessler, E. E. (2010). Dynamical analysis of team coordination in real time. *Abstracts of the North American Society for the Psychology of Sport and Physical Activity (S56-S57)*. Champaign, IL: Human Kinetics.
47. Gorman, J. C., Cooke, N. J., Duran, J. L., McGrane, K., & Rima, N. (2009). Representing workflow within the air operations center: The lifecycle of a dynamic target. In *Proceedings of the Human Factors and Ergonomics Society 53rd Annual Meeting (pp. 1324-1328)*. Santa Monica, CA: Human Factors and Ergonomics Society.
48. Duran, J. L., Goolsbee, Z., Cooke, N. J., & Gorman, J. C. (2009). Embedded collaboration metrics in the MacroCog synthetic task environment. In *Proceedings of the Human Factors and Ergonomics Society 53rd Annual Meeting (pp. 1388-1392)*. Santa Monica, CA: Human Factors and Ergonomics Society.
49. Weil, S., Duchon, A., Duran, J. L., Cooke, N. J., Gorman, J. C., & Winner, J. (2008). Communications-based performance assessment for air and space operations center: Preliminary research. In *Proceedings of the Human Factors and Ergonomics Society 52nd Annual Meeting (pp. 1389-1393)*. Santa Monica, CA: Human Factors and Ergonomics Society.

50. Gorman, J. C., Cooke, N. J., Winner, J. L., Duran, J. L., Pedersen, H. K., & Taylor, A. R. (2007). Knowledge training versus process training: The effects of training protocol on team coordination and performance. In *Proceedings of the Human Factors and Ergonomics Society 51st Annual Meeting* (pp. 382-386). Santa Monica, CA: Human Factors and Ergonomics Society.
51. Gorman, J., Weil, S. A., Cooke, N., & Duran, J. (2007). Automatic assessment of situation awareness from electronic mail communication: Analysis of the Enron dataset. In *Proceedings of the Human Factors and Ergonomics Society 51st Annual Meeting* (pp. 405-409). Santa Monica, CA: Human Factors and Ergonomics Society.
52. Gorman, J. C., Cooke, N. J., Warner, N. W., Wroblewski, E. M. (2007). Tagging macrocognitive processes using communication flow patterns. In *Proceedings of the Human Factors and Ergonomics Society 51st Annual Meeting* (pp. 410-414). Santa Monica, CA: Human Factors and Ergonomics Society.
53. Gorman, J. C., Cooke, N. J., Pedersen, H. K., Winner, J. L., Andrews, D., Amazeen, P. G. (2006). Changes in Team Composition After a break: Building adaptive command-and-control teams. In *Proceedings of the Human Factors and Ergonomics Society 50th Annual Meeting* (pp. 487-491). Santa Monica, CA: Human Factors and Ergonomics Society.
54. Gorman, J. C., Cooke, N. J., Pedersen, H. K., Connor, O.O., & DeJoode, J. A. (2005). Coordinated awareness of situation by teams (CAST): Measuring team situation awareness of a communication glitch. In *Proceedings of the Human Factors and Ergonomics Society 49th Annual Meeting* (pp. 274-277). Santa Monica, CA: Human Factors and Ergonomics Society.
55. Gorman, J. C. (2005). The concept of long memory for assessing the global effects of augmented team cognition. *Eleventh International Conference on Human-Computer Interaction*.
56. Kiekel, P.A., Gorman, J. C., & Cooke, N. J. (2004). Measuring speech flow of co-located and distributed command and control teams during a communication channel glitch. In *Proceedings of the Human Factors and Ergonomics Society 48th Annual Meeting* (pp. 683-687). Santa Monica, CA: Human Factors and Ergonomics Society.
57. Gorman, J. C., Cooke, N. J., & Kiekel, P. A. (2004). Dynamical perspectives on team cognition. In *Proceedings of the Human Factors and Ergonomics Society 48th Annual Meeting* (pp. 673-677). Santa Monica, CA: Human Factors and Ergonomics Society.
58. Gorman, J.C., Foltz, P.W., Kiekel, P.A., Martin, M. J., & Cooke, N. J. (2003). Evaluation of latent-semantic analysis-based measures of team communications. In *Proceedings of the Human Factors and Ergonomics Society 47th Annual Meeting* (pp. 424-428). Santa Monica, CA: Human Factors and Ergonomics Society.

59. Kiekel, P. A., Cooke, N. J., Foltz, P. W., Gorman, J. C., & Martin, M. J. (2002). Some promising results of communication-based automatic measures of team cognition. In *Proceedings of the Human Factors and Ergonomics Society 46th Annual Meeting* (pp. 298-302). Santa Monica, CA: Human Factors and Ergonomics Society.

- **NON PEER-REVIEWED PUBLICATIONS**

60. Stevens, S. & Gorman, J. (2016). Decoding the neurodynamic histories of teams. *Cognitia*, 22, 4-6.
61. Shope, S. M., Amazeen, P. G., Gorman, J. C., & Stevens, R. (2011). *Rapid assessment of team cognitive readiness*. Technical report for Office of Naval Research Grant N00014-11-0129.
62. Gorman, J. C., Cooke, N. J., Amazeen, P. L., Hessler, E. E., & Rowe, L. (2009). *Automatic tagging of macrocognitive collaborative processes through communication analysis*. Technical Report for Office of Naval Research Grant N00014-05-1-0625.
63. Shope, S. M., Cooke, N. J., Gorman, J. C., Amazeen, P. G., & Hessler, E. E. (2008). *Dynamical modeling of communications for assessment and enhancement of team performance*. Technical Report for Office of Naval Research Grant N00014-07-M-0352.
64. Cooke, N. J., Gorman, J. C., Pedersen, H. K., Winner, J. L., Duran, J., Taylor, A., Amazeen, P. G., & Andrews, D. (2007). *Acquisition and retention of team coordination in command-and-control*. Technical Report for Air Force Office Scientific Research Grant FA9550-04-1-0234 and Air Force Research Laboratory Grant FA8650-04-6442.
65. Cooke, N.J., Gorman, J. C., Kiekel, P. A., Foltz, P., & Martin, M. (2005). *Using team communication to understand team cognition in distributed vs. co-located mission environments*. Technical Report for Office of Naval Research Grant N00014-03-1-0580.
66. Cooke, N. J., DeJoode, J. A., Pedersen, H. K., Gorman, J. C., Connor, O. O., & Kiekel, P. A. (2004). *The role of individual and team cognition in uninhabited air vehicle command-and-control*. Technical Report for Air Force Office of Scientific Research Grants F49620-01-1-0261 and F49620-03-1-0024.
67. Kiekel, P. A., Cooke, N. J., Foltz, P. W., Gorman, J., & Martin, M. (2003). *Methods for the analysis of team communication*. Technical Report for Office of Naval Research Grant N00014-00-1-0818.
68. Cooke, N. J., Gorman, J., & Pedersen, H. (2002). *Toward a model of organizational risk: Critical factors at the team level*. Technical Report for National Aeronautics and Space Administration Grant NAG2-1562.

- **PROFESSIONAL PRESENTATIONS (EXCLUDING PUBLISHED CONFERENCE PROCEEDINGS)**

- **Peer-reviewed Presentations and/or Abstracts**

- R'Kiouak, M., Gorman, J., Saury, J., & Bourbousson, J. (2017). Team synergies in

- rowing: How reciprocal compensation changed under the effect of varying cadences. *Communication presented at the 22nd annual Congress of the European College of Sport Science, Essen (Germany)*.
- Stevens, R., Willemssen-Dunlap, A., Galloway, T., Gorman, J., & Halpin, D. (2017). Identifying neural and speech correlates of uncertainty during health-care simulation training. *International Symposium on Human Factors and Ergonomics in Healthcare*.
 - Willemssen-Dunlap, A., Stevens, R., Galloway, T., Gorman, J., & Halpin, D. (2017). Neurodynamic and semantic evidence for uncertainty within healthcare teams during simulation training. *Seventh International Conference on Applied Human Factors and Ergonomics*.
 - Willemssen-Dunlap, A., Stevens, R., Galloway, T., Gorman, J., & Halpin, D. (2016). Toward consistent and objective measures of team dynamics during simulation training. *Sixth International Conference on Applied Human Factors and Ergonomics*.
 - Willemssen-Dunlap, A., Stevens, R., Gorman, J., & Halpin, D. (2015). Modeling the neurodynamic and communication interactions of healthcare teams during simulation training. *Fifth International Conference on Applied Human Factors and Ergonomics*.
 - Dunbar, T. A. & Gorman, J. C. (2014). Fractal effects of task constraints in the self-organization of team communication. Talk presented at *the Human Factors and Ergonomics Society 58th Annual Meeting*.
 - Dunbar, T. A. & Gorman, J. C. (2014). *Fractal effects of task constraints in the self-organization of team communication*. Talk presented at the Southwestern Psychological Association annual meeting, San Antonio TX.
 - Dunbar, T. A. & Gorman, J. C. (2014). *Fractal effects of task constraints in the self-organization of team communication*. Poster presented at the Texas Regional Human Factors and Ergonomics Society Symposium, College Station TX.
 - Gorman, J. C. (2014). *Teamwork dynamics across levels of analysis*. Talk presented at the Southwestern Psychological Association annual meeting, San Antonio TX.
 - Crites, M. J. & Gorman, J. C. (2013). *Nonlinear analyses of movement data using cross recurrence measures*. Poster presented at the Cutting Edge Research from Emerging Psychological Scientists late breaking session. American Psychological Association annual convention, Honolulu HI.
 - Crites, M. J. & Gorman, J. C. (2013). *Completing a familiar task using different coordination modes: Investigation of mode effects and transfer*. Poster presented at the Texas Regional Human Factors and Ergonomics Society Symposium, Houston TX.
 - Crites, M. J. & Gorman, J. C. (2011). *Acquisition and transfer of intermanual coordination dynamics in remotely-operated robot task*. Poster presented at the Texas Regional Human Factors and Ergonomics Society Symposium, Houston TX.

- Gorman, J. C., Hessler, E. E., Cooke, N. J., & Amazeen, P. G. (2009). *Dynamics of team coordination and adaptive performance*. Fifteenth International Conference on Perception and Action, St. Paul MN.
- Duran, J. L., Cooke, N. J., Robinson, F. E., & Gorman, J. C. (2008). *A synthetic task environment for the study of macrocognition in teams*. Third Annual Interdisciplinary Network for Group Research (INGRoup) Conference, Kansas City MO.
- Gorman, J.C., Amazeen, P.G., & Cooke, N.J. (2007). *Team coordination dynamics*. Poster presented at Coordination Dynamics 2007, Boca Raton FL.

◦ **Invited Talks**

- Gorman, J. C. (2017, June). Training team dynamics: Perturbation training and real-time assessment. Invited talk for the University of Memphis and Army Research Laboratory Intelligent Team Tutoring System Workshop, Ames, IA.
- Gorman, J. C. (2017, April). *How dynamics influence human performance: A teamwork perspective*. Invited talk for the University of Cincinnati Cognition, Action, and Perception Series, Cincinnati, OH.
- Gorman, J. C. (2016, December). *How interpersonal dynamics can influence human performance*. Invited talk for the Georgia Tech GVU brown bag series, Atlanta, GA.
- Gorman, J. C. (2016, May). *How team dynamics influence human performance*. Invited talk for the College of Science at the School of Psychology, Atlanta, GA.
- Gorman, J. C. (2016, March). *Real-time and unobtrusive measures of team dynamics*. Army Research Lab Building Intelligent Tutoring Systems (ITSs) for Teams: What Matters Workshop, Orlando FL.
- Gorman, J. C. (2015, December). *Measuring emergent team patterns across different levels of analysis*. Army Research Lab Individualizing Technology for Effective Teaming Science Planning & Strategy Meeting, Adelphi MD.
- Gorman, J. C. (2015, October). *Connecting neural and behavioral processes during teamwork*. Georgia Institute of Technology Engineering Psychology Colloquium Series.
- Gorman, J. C. (2013, February). *Team coordination dynamics: Theory and metrics*. Office of Naval Research Developing Multi-disciplinary Measurement Approaches for Shared Cognition Workshop, Orlando FL.
- Gorman, J. C. (2012, November). *Training adaptive teams: Enhancing coordination flexibility in dynamic environments*. Human Factors and Ergonomics Society 2012 Webinar Series.
- Gorman, J. C. (2011, August). *Team coordination dynamics in uninhabited air vehicle operations*. American Psychological Association Annual Convention, Washington DC.
- Gorman, J. C. (2011, June). *Methods for assessing teamwork in dynamic environments*. Center for High Reliability Organizations and Processes

(CEHROP), Texas Tech University Department of Industrial Engineering, Lubbock TX.

- Gorman, J. C. (2011, February). *Methods for assessing the dynamic assembly of team situation awareness*. Office of Naval Research Cyber Situation Awareness Workshop, Gilbert AZ.
- Gorman, J. C. Cooke, N. J., & Kiekel, P. A. (2010, February). *Interactive team cognition: Theory, methods, & measures for communication analysis*. Office of Naval Research Communication Analysis Workshop, Tempe AZ.
- Amazeen, P. G. & Gorman, J. C. (2009, November). *Dynamical models in psychology*. Arizona State University Center for Social Dynamics and Complexity, Tempe AZ.
- Cooke, N. J. & Gorman, J. C. (2008, November). *Measuring Interaction*. Arizona State University Biomedical Informatics Foundation course, Phoenix AZ.
- Gorman, J. C. (2007, November). *Dynamics of team process: Team coordination*. Air Force Office of Scientific Research Behavioral Dynamics of Heterogeneous Teams of Humans and Machines Workshop, Princeton NJ.
- Amazeen, P. G., Hessler, E. E., & Gorman, J. C. (2007, October). *Learning dynamics: Lessons from attractor reconstruction*. FRIAM Group's Applied Complexity Lecture Series, Santa Fe NM.

- **CONFERENCE WORKSHOPS ORGANIZED/CONDUCTED**

- Cooke, N. J. & Gorman, J. C. (2010). *Communications analysis for assessing collaboration, 2nd ed.* Fifty-fourth Annual Meeting of the Human Factors and Ergonomics Society, San Francisco CA.
- Cooke, N. J. & Gorman, J. C. (2009). *Communications analysis for assessing collaboration*. Forty-third Annual Meeting of the Human Factors and Ergonomics Society, San Antonio TX.

- **RESEARCH FUNDING**

- Office of Naval Research and Cognitive Engineering Research Institute, *Human-Autonomy Teaming in Remotely Piloted Aircraft Systems Operations, 7/1/17-6/31/20* (Sub-Contract—\$254,836)
- JUMP Trading and The Learning Chameleon Inc., *A Neurodynamic Perspective of Healthcare, 9/23/16-8/18/17* (Sub-Contract—\$12,500)
- JUMP Trading and The Learning Chameleon Inc., *Neurophysiological Organization in Medical Teams, 1/15/15-6/30/15* (Sub-Contractor—\$37,500)
- National Science Foundation, *Collaborative Research: Multifrequency Coordination in Dyads and Teams, 4/1/13-3/31/17* (Principal Investigator—\$144,001)
- Defense Advanced Research Projects Agency SBIR Phase II, *Modeling the Neurodynamics of Submarine Piloting and Navigation, 7/9/12-1/9/14* (Sub-Contractor—\$69,000)
- Office of Naval Research STTR Phase I, *Rapid Assessment of Team Cognitive Readiness, 1/6/11-7/5/11* (Principal Investigator—\$12,000)

- Office of Naval Research STTR Phase II Option I, *Dynamical Modeling of Discourse for Team Performance Analysis and Enhancement*, 6/14/10-12/14/11 (Co-Investigator—\$44,583)
- Office of Naval Research STTR Phase II, *Dynamical Modeling of Discourse for Team Performance Analysis and Enhancement*, 12/16/08-6/16/10 (Co-Investigator—\$499,914; Post doc)
- Office of Naval Research STTR Phase I, *Dynamical Modeling of Discourse for Team Performance Analysis and Enhancement*, 8/1/07-5/31/08 (Co-Investigator—\$44,480; Post doc)

- **AWARDS**

- 2011 Jerome H. Ely Award for the most outstanding article published in the 2010 volume of the journal *Human Factors*

III. SERVICE

- **DEPARTMENTAL SERVICE**

- 2017-Present, Member, Awards Committee, Psychology, Georgia Institute of Technology
- 2017-Present, Member, Professional Peer Review Committee, Psychology, Georgia Institute of Technology
- 2015-2016, Member, Industrial Organizational Psychology Faculty Search Committee, Psychology, Georgia Institute of Technology
- 2013-2014, Member, Counseling Psychology Faculty Search Committee, Psychology, Texas Tech University
- 2012-2015, Member, Diversity Post Doctoral Fellowship Committee, Psychology, Texas Tech University
- 2012-2013, Mathematics Core Approval for Statistical Methods, Psychology, Texas Tech University
- 2011-2015, Member, Research and Faculty Development Committee, Psychology, Texas Tech University
- 2011-2015, Psi Chi Faculty Advisor, Department of Psychology, Texas Tech University
- 2010-2011, Member, Undergraduate Program Committee, Psychology, Texas Tech University

- **COLLEGE AND UNIVERSITY SERVICE**

- 2013-2015, Member, Institutional Review Board for Protection of Human Subjects Committee, Texas Tech University

- **REVIEWER**

- **Journal Editorial Board**

- 2014-Present, *Human Factors*

- **Award Panel**

- 2016, Human Factors Prize, Human Factors and Ergonomics Society

- **Ad Hoc Journal Reviewer**

- Behavior Research Methods
- Current Directions in Psychological Science
- Ecological Psychology
- Ergonomics
- Frontiers in Psychology
- Group and Organization Management
- Human Factors
- IEEE Transactions on Human-machine Systems
- IIE Transactions on Occupational Ergonomics and Human Factors
- Journal of Applied Sport Psychology
- Journal of Cognitive Engineering and Decision Making
- Journal of Experimental Psychology: Applied
- Journal of Housing and the Built Environment
- Nonlinear Dynamics, Psychology, & Life Sciences
- PLOS One
- Small Group Research
- Theoretical Issues in Ergonomics Science
 - **Journal Special Issue Editor**
 - Cooke, N. J., Duchon, A., Gorman, J. C., Keyton, J., & Miller, A. (Eds.) (2012). Special section on methods for the analysis of communication. *Human Factors*, 54, 4.
 - Gorman, J. C., Cooke, N. J., & Salas, E. (Eds.) (2010). Special issue on collaboration, coordination, and adaptation in complex sociotechnical settings. *Human Factors*, 52, 2.
 - **Grant Proposal Reviewer**
 - Air Force Office of Scientific Research
 - NASA/NSBRI Crew Health, Behavioral Health, & Performance/Human Factors (Panel, March 2012)
 - National Science Foundation
 - Netherlands Organization for Scientific Research
 - Social Sciences and Humanities Research Council of Canada
 - Swiss National Science Foundation
- **MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS**
 - 2013-2014, Southwestern Psychological Association
 - 2009-2013, American Psychological Association
 - 2009-2010, North American Society for Psychology of Sport and Physical Activity
 - 2004-Present, Human Factors and Ergonomics Society

IV. TEACHING

- **COURSES TAUGHT**
 - GIT PSY 6018, Research Design, Graduate
 - GIT PSY 7102, Engineering Psychology II, Graduate
 - TTU PSY 5448, Advanced Multivariate Analysis for Psychologists, Graduate
 - TTU PSY 5373, Cognitive Ergonomics, Graduate
 - TTU PSY 2400, Statistical Methods, Undergraduate

- **RESEARCH DIRECTION**

- **Chair of Doctoral Committees**

- 2014-Present, Michael J. Crites, Psychological Sciences, Texas Tech University

- **Member of Doctoral Committees**

- 2016-Present, Dar-Wei Chan, Engineering Psychology, Georgia Institute of Technology

- 2016-Present, Thom Gable, Engineering Psychology, Georgia Institute of Technology

- 2015-2016, Raquel Asencio Hodge, Industrial/Organizational Psychology, Georgia Institute of Technology

- 2013-2015, Amanda Baty, Industrial Engineering, Texas Tech University

- 2013-2014, Noah Wheeler, Psychology, Texas Tech University

- 2012-2015, Elizabeth Schmidlin, Psychology, Texas Tech University

- 2011-2014, Rachelle Smith, Psychology, Texas Tech University

- 2011-2013, Paul Derby, Psychology, Texas Tech University

- **Chair of Masters Committees**

- 2016-Present, David Grimm, MS Thesis, Engineering Psychology, Georgia Institute of Technology

- 2015-Present, Christina L. Gipson, MS Thesis, Engineering Psychology, Georgia Institute of Technology

- 2015-Present, Terri A. Dunbar, MS Thesis, Engineering Psychology, Georgia Institute of Technology

- 2013-2015, Christina L. Gipson, Second Year Project in Psychology, Texas Tech University

- 2012-2014, Terri A. Dunbar, Second Year Project in Psychology, Texas Tech University

- 2010-2012, Michael J. Crites, Second Year Project in Psychology, Texas Tech University

- **Member of Masters Committees**

- 2017-Present, Brittany Noah, MS Thesis, Engineering Psychology, Georgia Institute of Technology

- 2016-2017, Rachel Stuck, MS Thesis, Engineering Psychology, Georgia Institute of Technology

- 2016-2017, Joel Mumma, MS Thesis, Engineering Psychology, Georgia Institute of Technology

- 2015-2016, Lindsay Larson, MS Thesis, Engineering Psychology, Georgia Institute of Technology

- 2013-2014, Trevor McIntyre, Second Year Project in Psychology, Texas Tech University

- 2012-2014, Adam Cann, Second Year Project in Psychology, Texas Tech University

- 2010-2012, Noah Wheeler, Second Year Project in Psychology, Texas Tech University
- 2010-2012, Shannon Fouse, M.A. in Cognitive Science and Engineering, Arizona State University

V. **REFERENCES**

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