

# Jonathan H. Morgan

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## Education

Aug 2012-May 2015	M.A.	Duke University	Sociology
Jan 2004-Dec 2007	B.A.	The Pennsylvania State University	Political Science
	B.A.	The Pennsylvania State University	Philosophy
	Honors	Thesis: Nietzsche, War, and Social Memory	<i>Highest Distinction</i>

## Professional experience

Aug 2012-Present	Research Assistant	Duke Social Science Research Institute	Durham, NC
Jan 2008-Aug 2012	Research Assistant and Lab Manager	The Applied Cognitive Science (ACS) Lab	University Park, PA
Jan 2005-May 2005	Teaching Assistant (STS 200)	Science, Technology, and Society (STS) Program, Penn State	University Park, PA
Aug 1999-Aug 2003	Unmanned Aerial Vehicle Operator	The United States Army	Fort Lewis, WA Fort Huachuca, AZ

## Interests

I examine identity processes, specifically labeling and impression formation in social interactions. My work is at the intersection of social psychology, social network analysis, and mathematical sociology. I approach these topics using a combination of Bayesian statistics, social network analysis, simulation, and experimental methods. I have also contributed to work modeling the retention of procedural skills, and seek to leverage this work to better understand identity acquisition and expression over time.

## Refereed Journal Publications

- Morgan, Jonathan H., Kimberly B. Rogers, and Mao Hu. 2017. "Distinguishing Normative Processes from Noise: A Comparison of Four Approaches to Modeling Impressions of Social Events." *Social Psychology Quarterly* 79: 311-332.
- Smith, Jeffrey A., James Moody, and Jonathan H. Morgan. 2017. "Network Sampling Coverage II: The Effect of Non-Random Missing Data on Network Measurement." *Social Networks* 48: 78-99.
- Zhao, Changkun., Ryan Kaulakis, Jonathan H. Morgan, Jeremiah W. Hiam, Joseph P. Sanford, Frank E. Ritter, and Geoffrey P. Morgan. 2015. "What Matters in Social Networks: Defining Factors of Interest for Agent-Based Socio-Cognitive Simulations." *Computational and Mathematical Organization Theory* 21: 115-149.
- Morgan, Jonathan H., Chen-Yang Cheng, Christopher Pike, and Frank E. Ritter. 2013. "A Design, Tests, and Considerations for Improving Keystroke and Mouse Loggers." *Interacting with Computers* 25(2): 2-17.
- Morgan, Jonathan H., Geoffrey P. Morgan, and Frank E. Ritter. 2010. "A Preliminary Model of Participation for Small Groups." *Computational & Mathematical Organization Theory* 16(3): 246-270.

## Books and Book Chapters

- Georgeon, Olivier L., Cecile Barbier-Gondras, C., and Jonathan H. Morgan. 2016. "Developmental-AI MOOC Assessment." Pp. 539-543 in *European Stakeholder Summit on Experience and Best Practices In and*

*Around MOOCs*, edited by M. Khalil, M Ebner, M. Kopp, A. Lorenz, and M. Kaiz. Graz, Austria: Books on Demand.

Teriyakin, Edward. A., and Jonathan H. Morgan. 2014. "Solidarity, Yesterday and Today." Pp. 249-271 in *The Palgrave Handbook of Altruism, Morality, and Social Solidarity: Formulating a Field of Study*, edited by V. Jeffries. New York, NY: Palgrave Macmillan.

Ritter, Frank E., Jong W. Kim, Jonathan H. Morgan, and Richard A. Carlson. 2012. *Running Behavioral Experiments with Human Participants: A Practical Guide*. Thousand Oaks, CA: Sage.

## Refereed Conference Proceedings

Jung, Joshua D. A, Jesse Hoey, Jonathan H. Morgan., Tobias Schröder, and Ingo Wolf. 2016. "Grounding Social Interaction with Affective Intelligence." Pp. 52-57 in *Canadian Conference on Artificial Intelligence*. Victoria, BC, Canada: Springer International Publishing.

Georgeon, Olivier L., Cecile Barbier-Gondras, C., and Jonathan H. Morgan. 2016. "Developmental-AI MOOC Assessment." Pp. 539-543 in *European Stakeholder Summit on Experience and Best Practices In and Around MOOCs*, edited by M. Khalil, M Ebner, M. Kopp, A. Lorenz, and M. Kaiz. Graz, Austria: Books on Demand.

Ritter, Frank E., Jong W. Kim, Jonathan H. Morgan, and Richard A. Carlson. 2012. *Running Behavioral Experiments with Human Participants: A Practical Guide*. Thousand Oaks, CA: Sage.

Zhao, Changkun, Ryan Kaulakis, Jonathan H. Morgan, Jeremiah W. Hiam, and Frank E. Ritter. 2012. "Modeling a Cognitively Limited Network in an Agent-Based Simulation." Pp. 2603-08 in *Proceedings of the 34th Annual Conference of the Cognitive Science Society*, edited by N. Miyake, D. Peebles, and R. P. Cooper. Austin, TX: Cognitive Science Society.

Kaulakis, Ryan, Changkun Zhao, Jonathan H. Morgan, Jeremiah W. Hiam, Joseph P. Sanford, and Frank E. Ritter. 2012. "Defining Factors of Interest for Large-Scale Socio-Cognitive Simulations." Pp. 117-122 in *Proceedings of ICCM - 2012- Eleventh International Conference on Cognitive Modeling*, edited by N. Rußwinkel, U. Drewitz, H. van Rijn . Berlin, Germany: Universitaetsverlag der TU Berlin.

Zhao, Changkun, Ryan Kaulakis, Jonathan H. Morgan, Jeremiah W. Hiam, Joseph P. Sanford, Frank E. Ritter, Geoffrey P. Morgan. 2012. "Socio-Cognitive Networks: Modeling the Effects of Space and Memory on Generative Social Structures." Pp. 24-31 in *Proceedings of the 21st Conference on Behavior Representation in Modeling and Simulation [Recommended Read]*. Amelia Island, FL: BRIMS Society.

Zhao, Changkun. Jaehyon Paik, Jonathan H. Morgan, and Frank E. Ritter. 2011. "A Multi-Strategy Spatial Navigation Model in a Text-Based Environment." Pp. 251-258 in *Proceedings of the 20th Conference on Behavior Representation in Modeling and Simulation*. Sundance, UT: BRIMS Society.

Fang, Qi, Peng Liu, John Yen, Jonathan H. Morgan, Donald R. Shemanski, and Frank E. Ritter. 2011. "A Threaded Event-Based Simulation Approach for Analyzing the Intelligence on WMD Attacks." Pp. 201-15 in *Critical Infrastructure Protection V. Vol. 5, Proceeding of the Fifth Annual IFIP WG 11.10 International Conference*, edited by S. Sheno and J. Butts, J. Hannover, NH: Springer.

Zhao, Changkun, Jaehyon Paik, Jonathan H. Morgan, and Frank E. Ritter. 2010. "Validating a High Level Behavioral Representation Language (Herbal): A Docking Study for ACT-R." Pp. 181-88 in *Proceedings of the First Annual Meeting of the Biologically Inspired Cognitive Architectures (BICA) Society*, edited by A.V. Samsonovich, K.R. Jóhannsdóttir, A. Chella, and B. Goertzel. Washington, D.C: IOS Press.

Paik, Jaehyon, Jong W. Kim, Frank E. Ritter, Jonathan H. Morgan, Steven R. Haynes, and Mark A. Cohen. 2010. "Building Large Learning Models with Herbal." Pp. 187-191 in *Proceedings of the 10th International Conference on Cognitive Modeling*, edited by D. D. Salvucci and G. Gunzelmann. Philadelphia, PA: ICCM

Georgeon, Olivier L., Jonathan H. Morgan, and Frank E. Ritter. 2010. "An Algorithm for Self-Motivated Hierarchical Sequence Learning." Pp. 73-9 in *Proceedings of the 10<sup>th</sup> International Conference on Cognitive Modeling*, edited by D. D. Salvucci and G. Gunzelmann. Philadelphia, PA: ICCM.

Georgeon, Oliver L., Jonathan H. Morgan, John Horgan, and Kurt Braddock. 2010. "Process Modeling for the Study of Non-State Political Violence." Pp. 240-7 in *Proceedings of the 19<sup>th</sup> Conference on Behavior Representation in Modeling and Simulation*, edited by T. Jastrzembski. Charleston, SC: Curran Associates, Inc.

Morgan, Jonathan H., Geoffrey P. Morgan, Frank E. Ritter, and Vincent P. M. Poncelin de Raucourt. 2009. "A Preliminary Model of Participation." Pp. 129-136 in *Proceeding of the 18<sup>th</sup> Conference on Behavior Representation in Modeling and Simulation*, edited by J. T. Hansberger. Sundance Ranch, UT: Curran Associates, Inc.

## Dissemination of Research to the Public

Ahmed, Ghada, Sona Nahapetyan, Danny Hamrick, and Jonathan H. Morgan. 2017. "Russian Wheat Value Chain and Global Food Security". *Duke Center on Globalization, Governance, & Competitiveness at the Social Science Research Institute*. <http://www.cggc.duke.edu/pdfs/CGGC-Russia-Wheat-Value-Chain.pdf>

## Conference Presentations and Talks

- Apr 2016 Amity and Enmity: A Multiplex Group Approach Using Identity-Types of Ties  
*The 37<sup>th</sup> Annual Meeting of the International Network for Social Network Analysis*, Newport Beach, CA
- Apr 2016 Novelty and Communities: The Effect of Abstracts on Citation Count  
*The 22<sup>nd</sup> Annual Meeting of the Cognitive Neuroscience Society*, New York, NY
- Feb 2016 Predicting Readers' Affective Responses to Texts: A Network-Based Model  
*19<sup>th</sup> Annual Conference on Computer-Supported Cooperative Work and Social Computing (CSCW)*
- Mar 2015 Distinguishing Noise from Normative Determinants: A Comparison of Four Methods.  
*78<sup>th</sup> Annual Meeting of the Southern Sociological Society*, New Orleans, LA
- Aug 2014 Affect, Structure, and Small Groups: A Process Model.  
*109<sup>th</sup> Annual Meeting of American Sociological Association*, San Francisco, CA.
- Mar 2012 Tutorial on Experimental Research Methodologies for Human Computer Interaction (HCI) Researchers  
*Twenty-first BRIMS Conference*, Amelia Island, FL
- Mar 2011 A Threaded Event-Based Simulation Approach for Supporting Intelligence Analysis  
*Fifth Conference on Critical Infrastructure Protection*, Dartmouth College
- Mar 2010 Process Modeling for the Study of Non-State Political Violence  
*Nineteenth BRIMS Conference*, Charleston, SC
- Jun 2009 A Preliminary Model of Participation  
*First International Human, Social, Cultural, Behavioral Sciences and Modeling (HSCB) Workshop Istanbul, Turkey*

## Scholarships, Honors, and Awards

- Mar 2009 "A Preliminary Model of Participation" awarded Best of BRIMS 2009
- Feb 2008 The Pennsylvania Association for Adult Continuing Education's (PAACE) Achievement Award
- Dec 2007 Student Marshal, Fall 2007, for the College of Liberal Arts, The Pennsylvania State University
- Jul 2007 Society of Distinguished Alumni Scholarship
- May 2007 Marvin and Lillian Perelman Family Memorial Scholarship
- 2006-2007 Timothy and Francis Buckley Scholar
- May 2007 Phi Beta Kappa
- Jun 2006 Penn State's Schreyer Honors College
- 2005-2007 Penn State's The President's Freshman Award, The President Sparks Award, and The Evan Pugh Scholar Awards (Junior and Senior)

Mar 2003	Order of the Spur, U.S. Cavalry's Leadership Award
Apr-May 2003	Army Achievement Medal and two Army Commendation Medals
Apr 2002	Sergeant (E5)
Jan 2000	Military Outstanding Volunteer Service Medal
Mar 1997	Eagle Scout