

Aaron M. Schechter

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EXPERIENCE

- 2017 – Present Assistant Professor of Management Information Systems, Terry College of Business, University of Georgia
- 2012 Operations Research Analyst, Federal Energy Regulatory Commission

EDUCATION

- 2017 PhD. Industrial Engineering & Management Science, Northwestern University
- 2013 MSE Industrial Engineering & Management Science, Northwestern University
- 2012 MSE Applied Mathematics & Statistics, Johns Hopkins University
- 2012 BS Applied Mathematics & Statistics, Johns Hopkins University

FUNDED RESEARCH

* Total Awarded: \$2,795,110 (\$510,510 to UGA)

Role: Co-I. DeChurch, L. (PI), Contractor, N. (Co-I), Bell, S. (Co-I), Loerch, L. (Co-I)
Team-SCAPE: Team Skills for Cognitive Adaptive Performance during Exploration
The National Aeronautics and Space Administration (NASA)
Under Sponsor Review. Proposed Budget: \$1,400,000 (2021-2025)

Role: PI.

An Investigation of Human-Machine Team Dynamics
Army Research Office (ARO)
Budget: \$303,131 (2019 – 2022)

Role: Co-I. Contractor, N. (PI), DeChurch, L. (Co-I), Jung, M. (Co-I)
Macro Signatures of Success in Human-Agent Teams
Army Research Lab (ARL)
Budget: \$1,500,000 (2019-2022)

Role: Co-I. Carter, D. (PI), Contractor, N. (Co-I), DeChurch, L. (Co-I), Shuffler, M. (Co-I)
Project FUSION: Facilitating Unified Systems of Interdependent Organizational Networks
The National Aeronautics and Space Administration (NASA)
Budget: \$991,979 (2018-2021)

JOURNAL PUBLICATIONS

Schechter, A. & Quintane, E. (Acceptor September 2020, in press). The power, precision, and accuracy of the relational event model. *Organizational Research Methods*.

Brunswick, S. & **Schechter, A.** (2019). Coherence or Flexibility? The Paradox of Change for Developers' Digital Innovation Trajectory on Open Platforms. *Research Policy*, 48 (8), 103771.

Hukal, P., Berente, N., Germonprez, M., & **Schechter, A.** (2019). Bots coordinating work in open source software projects. *Computer*, 52 (9), 52-60.

Schechter, A., Pilny, A., Leung, A., Poole, M. S., & Contractor, N. (2018). Step by step: Capturing the dynamics of work team process through relational event sequences. *Journal of Organizational Behavior*, 39 (9), 1163-1181.

Pilny, A., **Schechter, A.**, Poole, M. S., Contractor, N. (2016). An illustration of the relational event model to analyze group interaction processes. *Group Dynamics: Theory, Research, and Practice*, 20 (3), 181-195.

MANUSCRIPTS UNDER REVIEW

Schechter, A., Nohadani, O., & Contractor, N. A robust inference method for decision making in networks. Under review, third round, *MIS Quarterly*.

Hukal, P., **Schechter, A.**, Germonprez, M., & Berente, N. Stewards and drive-bys: Corporate engagement and the coordination of open source software development. Under review, second round, *MIS Quarterly*.

Schechter, A. & Li, W. Predictions we can believe in: Robust predictive analytics using variables generated by machine learning. Revise and resubmit, first round, *Information Systems Research*.

Lindberg, A., **Schechter, A.**, Berente, N., Diegman, P., & Lyytinen, K. Community attention and open source software release cycles. Revise and resubmit, first round, *MIS Quarterly*.

Matterelli, E., **Schechter, A.**, Hinds, P., & Contractor, N. Closure, promiscuity and concentration: How text and artifact-based feedback networks contribute to creative performance. Revise and resubmit, first round, *Academy of Management Journal*.

Schechter, A. & Brunswick, S. The fluidity of an individual's core-periphery position in digital knowledge fields. Under review, first round, *Organization Science*.

Schechter, A., Wowak, K., Berente, N., Ye, H., & Mukherjee, U. A behavioral perspective on service center routing: The role of inertia. Under review, first round, *Journal of Operations Management*.

Bogert, E., **Schechter, A.**, & Watson, R. T. Tutorial: Preregistration of Information Systems. Under review, first round, *Communications of the Association for Information Systems*.

Sachin, P. K. & **Schechter, A.** Smart machine, smarter team? An experimental investigation of the effect of perceived versus actual performance in human-machine teams. Under review, first round, *Nature Human Behavior*.

WORKING PAPERS

Bogert, E., **Schechter, A.**, & Watson, R. Humans rely on algorithms more as difficulty increases. Target journal: *TBD*.

Schechter, A. Uncovering latent classes in event sequence data. Target journal: *Management Science*.

Schechter, A. & Contractor, N. Leveraging event sequences to infer psychological states: A coevolution model. Target journal: *Management Science*.

Schechter, A., DeChurch, L., Leenders, R., & Contractor, N. Bridging the boundary while minding the seams: Using relational event models to analyze multiteam systems. Target journal: *Organizational Research Methods*.

BOOK CHAPTERS

Pendergraft, J., Carter, D., Trainer, H., Jones, J., Shuffler, M., DeChurch, L., **Schechter, A.**, & Contractor, N. (forthcoming). Supporting Spaceflight Multiteam Systems throughout Long-Duration Exploration Missions: A Countermeasure Toolkit. In Landon, L., Slack, K., & Salas, R. (Eds.) *Psychology and Human Performance in Space Programs: Research at the Frontier*. Taylor & Francis Group.

Schechter, A., Contractor, N. (2017). Understanding and assessing collaborative processes through relational events. In Zhu, M., Kyllonen, P., & von Davier, A. (Eds.) *Innovative Assessment of Collaboration*, 223 – 231. Springer International Publishing.

OTHER PUBLICATIONS

Link, G. J., Lumbard, K., Damen, N., Rosser, H., Germonprez, M., Goggins, S., et al. (2018). Open Community Health: Workshop Report. *Journal of Peer Production*, (13), 1.

Clack, L. & **Schechter, A.** (2018). Streamlining the Process in Opioid Data Collection. *Journal of AHIMA*, 89(8): 52-53.

Clack, L. & **Schechter, A.** (2018). Importance of Data in Addressing the Opioid Epidemic. *Journal of AHIMA*, Data Revolution Blog.

Schechter, A. & O'Neil, R. (2012). Exploration of the ACOPF feasible region for the standard IEEE test set. *FERC Technical Report: Increasing Real-Time and Day-Ahead Market Efficiency through Improved Software*, Washington, D.C., June 25-27.

ARCHIVAL CONFERENCE PROCEEDINGS

Bogert, E., Watson, R., & **Schechter, A.** (2020). Algorithmic Appreciation in Creative Tasks. *Americas Conference of Information Systems (AMCIS)*, Salt Lake City, UT, August 10-14, 2020.

Bogert, E., Watson, R., & **Schechter, A.** (2020). Algorithmic Appreciation across Task Difficulty. *Americas Conference of Information Systems (AMCIS)*, Salt Lake City, UT, August 10-14, 2020.

Schechter, A. & Contractor, N. (2019). Uncovering latent archetypes in digital trace data: A model and empirical example. *International Conference of Information Systems (ICIS)*, Munich, Germany, December 15-18, 2019.

Schechter, A. & Contractor, N. (2019). A Dynamic Sequence Model of Information Sharing Processes in Virtual Teams. *Hawaiian International Conference on System Sciences (HICSS)*, Wailea, HI, January 8-11, 2019. Awarded Best Paper, Digital and Social Media Track

Mattarelli, E., **Schechter, A.**, Hinds, P., Contractor, N., Lu, C., & Topac, B. (2018). How Co-creation Processes Unfold and Predict Submission Quality in Crowd-based Open Innovation. *International Conference of Information Systems (ICIS)*, San Francisco, CA, December 13-16, 2018.

Bogert, E., Berente, N., & **Schechter, A.** (2018). Digital Technology Substituting for Labor? Visual Effects and Knowledge Work in Movies. *International Conference of Information Systems (ICIS)*, San Francisco, CA, December 13-16, 2018.

Schechter, A. & Contractor, N. (2016). Modeling the joint dynamics of relational events and individual states. *IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM)*, San Francisco, CA, August 18-21, 2016.

Diesner J., Aleyasen A., Mishra S., **Schechter A.**, Contractor N. (2014). Comparison of Communication Networks built from explicit and implicit data. *Computational Approaches to Social Modeling (ChASM)*, ACM WebScience, Blomington, IN.

NON-ARCHIVAL CONFERENCE PROCEEDINGS

Schechter, A. & Mell, J. (2017). The antecedents and implications of information sharing processes in multiteam systems. *Academy of Management Annual Conference*, Atlanta, GA, August 5-8, 2017.

Schechter, A. & Contractor, N. (2016). A multi relational event network approach to understanding channel selection in teams. *Academy of Management Annual Conference*, Anaheim, CA, August 5-8, 2016.

Schechter, A., Sun, Y., DeChurch, L., & Contractor, N. (2016). The semantic underpinnings of team process. *INGRoup Annual Conference*, Helsinki, Finland, July 16-18, 2016.

Schechter, A. & Contractor, N. (2015). Forming and Performing: How Group Structure Evolves in Successful Multiteam Systems. *Academy of Management Annual Conference*, Vancouver, BC, August 7-11, 2015.

Schechter, A., Mathieu, J., & Contractor, N. (2015). It's Not Just What You Say – But Who You Say it to that Matters in MTSS: Conjoint Structural and Semantic Analyses of MTS Communications. *INGRoup Annual Conference*, Pittsburg, PA, July 23-25, 2015.

Schechter, A., Leenders, R. T., DeChurch, L. A., & Contractor, N. (2014). The Signatures of Success in Teams & Multiteam Systems. *Academy of Management Annual Conference*, Philadelphia, PA, August 1-5, 2014.

Schechter, A., Leenders, R., DeChurch, L., & Contractor, N. (2014). The Sequential Structural Signatures of Success in Multiteam Systems. *ICA Annual Conference*, Seattle, WA, May 22-26, 2014. ICA Annual 2014.

OTHER CONFERENCE PAPERS, ABSTRACTS, & POSTERS

Schechter, A. (2020). Social Networks and Social AI: Advances in the Study of Human-Autonomy Networks. *INSNA Sunbelt Virtual Conference*, July 13-17, 2020.

Schechter, A. & Clack, L. (2018). Evaluating Network-Based Interventions For Opioid Abuse Using Agent Based Modeling. *INFORMS Annual Meeting*, Phoenix, AZ, November 4-7, 2018.

Schechter, A., Sun, Y., DeChurch, L., & Contractor, N. (2016). The semantic underpinnings of team process. *International Conference on Computational Social Science*, Evanston, IL, June 23-25, 2016.

Schechter, A. (2016). Bridging the boundary while minding the seams: Team boundary propensities in multiteam systems. *Organizational Communication Mini Conference*, Evanston, IL, October 1-2, 2016.

Schechter, A. & Contractor, N. (2016). Modeling the coevolution of event networks and states with application to team process. *INSNA Sunbelt XXXVI*, Newport Beach, CA, April 5-10, 2016.

Basu, P., **Schechter, A.**, & Contractor, N. (2016). Solving temporal team assignment problems using a Markov decision process framework. *INSNA Sunbelt XXXVI*, Newport Beach, CA, April 5-10, 2016.

Contractor, N. & **Schechter, A.** (2015). An agent based modeling approach to predicting adoption of critical health practices. *INFORMS Annual Meeting 2015*, Philadelphia, PA.

Schechter, A. & Contractor, N. (2015). A robust framework for event prediction in partially unobserved networks. *INFORMS Annual Meeting 2015*, Philadelphia, PA.

Schechter, A. & Contractor, N. (2015). A Multi-Relational Event Model for Understanding Channel Selection. *INSNA Sunbelt XXXV*, Brighton, UK, June 23-28, 2015.

George, J., **Schechter, A.**, & Contractor, N. (2015). Modified Self-Exciting Point Process Models of Communication Events. *INSNA Sunbelt XXXV*, Brighton, UK, June 23-28, 2015.

Schechter, A. & Contractor, N. (2014). Community Identification in Dynamic Social Networks. *INFORMS Annual Meeting 2014*, San Francisco, CA.

Schechter, A., Leenders, R., DeChurch, L., & Contractor, N. (2014). Using Relational Event Networks to Understand Team & Multiteam System Interaction Processes. *INSNA Sunbelt XXXIV*, St. Pete Beach, FL, February 18-22, 2014.

INVITED TALKS

- 2019 Society of Industrial and Organizational Psychology (SIOP) Annual Meeting: Panel on Team Dynamics
- 2018 Northwestern University: ANN/SONIC/NICO Workshop on Network Science
University of Nebraska Omaha: Workshop on Community Health in OSS
- 2016 University of North Texas: Workshop on Network Science of Squads

HONORS & AWARDS

- 2019 Young Investigator Award, Army Research Lab
- 2019 – 2021 Lilly Teaching Fellow, University of Georgia
- 2019 Best Paper, Digital and Social Media Track, HICSS
- 2018 – Present Senior Fellow, Research Center for Open Digital Innovation (RCODI), Purdue University
- 2018 Hackman Dissertation Award, INGRoup
- 2017 – 2018 Teaching Academy Fellows Program, University of Georgia
- 2016 Terminal Year Graduate Fellowship, Northwestern University
- 2016 Outstanding Reviewer – OB Division, Academy of Management Conference
- 2012 Harold Richards Fellow, Northwestern University
- 2012 Phi Beta Kappa, Johns Hopkins University
- 2012 Applied Mathematics Achievement Award, Johns Hopkins University
- 2012 Joel Dean Excellence in Teaching Award, Johns Hopkins University
- 2011 Naddor Prize for Excellence in Mathematics, Johns Hopkins University

TEACHING

University of Georgia

Doctoral

MIST 9770 Research Methods

MBA/Masters

MIST 7690 Business Process Management

MIST 7770 Business Intelligence & Analytics

Undergraduate

MIST 5750 Business Process Management

MIST 5620 Business Intelligence

ADVISING & MENTORSHIP

Doctoral Supervision

Co-Chair: Eric Bogert

Management Information Systems, University of Georgia

Anticipated graduation May 2021

Committee Member: Panda Kumar Sachin

Management Information Systems, University of Georgia

Anticipated graduation May 2022

Committee Member: Lindsay Larson

Media, Technology, & Society, Northwestern University

Anticipated graduation May 2021

Undergraduate Research

Supervisor for MIST 5990 Research in MIS

SERVICE

University Service (UGA)

Faculty Advisor, Society for Business Intelligence

Member, Data Analytics Area of Emphasis Committee

Member, Grade Appeals Committee

Editorial Service

Journal Reviewer: Management Information Systems Quarterly, Organization Science, Research Policy, Management Communication Quarterly, Social Network Analysis and Mining, Network Science, Connections

Conference AE or Track Chair: International Conference for Information Systems

Conference Reviewer: Hawaii International Conference on System Sciences, International Conference for Information Systems, Academy of Management Annual Conference, Sunbelt Networks Conference

External Grant Reviewer: Army Research Office, Swiss National Science Foundation

PROFESSIONAL MEMBERSHIPS

Academy of Management

Association for Information Systems

INFORMS (Institute for Operations Research and Management Science)

INGRoup (International Network for Groups Research)

INSNA (International Network for Social Network Analysis)

REFERENCES

References available upon request.