

## JOHN SKVORETZ

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*Distinguished University Professor of Sociology & Interdisciplinary Social Sciences*

Department of Sociology & Interdisciplinary Social Sciences

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### EDUCATION

Ph.D. (Sociology) University of Pittsburgh, 1976

B.A. (Mathematics) Lehigh University, 1969

B.A. (Sociology) Lehigh University, 1969

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### ACADEMIC EMPLOYMENT

University of South Florida.

2016 –

*Distinguished University Professor, Department of Sociology.* The Distinguished University Professor award recognizes senior faculty members who have distinguished themselves among their peers both within and outside the University. The title is awarded through a process of nomination and external peer review and identifies those holding it as outstanding members of their profession.

2005 – 2016

*Professor, Department of Sociology.*

University of South Carolina.

2005 –

*Carolina Distinguished Professor Emeritus.*

1995 – 2005

*Carolina Distinguished Professor of Sociology.* The highest honor the University of South Carolina accords any faculty member is awarded in a University-wide competition only after rigorous review of a nominee's record of continuing scholarship and general achievement. An appointment is for a term of three years, renewable only upon the demonstration of sustained outstanding accomplishment.

1986 – 2005

*Professor, Department of Sociology.*

1980 – 1986

*Associate Professor, Department of Sociology.*

1976 – 1980

*Assistant Professor, Department of Sociology.*

1975 – 1976

*Instructor, Department of Sociology.*

University of Pittsburgh.

1974

*Instructor, Evening Program.*

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### ADMINISTRATIVE POSTS

University of South Florida.

8/2016 – 8/2017

*Interim Director, School of Public Affairs.*

2/2005 – 8/2008	<i>Dean, College of Arts and Sciences.</i>  University of South Carolina.
7/2003 – 1/2005	<i>Interim Dean, College of Liberal Arts.</i>
2002 – 2003	<i>Associate Dean, College of Liberal Arts.</i>
2001 – 2002	<i>Special Advisor to the Dean, College of Liberal Arts.</i>
2000 – 2001	<i>Interim Chair, Department of Sociology.</i>
1984 – 1994	<i>Chair, Department of Sociology.</i>
1976 – 1984	<i>Director of the Undergraduate Program, Department of Sociology.</i>

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**AWARDS AND HONORS**

2020	Outstanding Faculty Award, University of South Florida.
2019	Fulbright Fellow, Republic of Poland.
2017	Outstanding Faculty Award, University of South Florida.
2015	Honorable Mention, Robert K. Merton Analytical Sociology Best Paper Award from the International Network for Analytical Sociology for "Diversity, Integration, and Social Ties: Attraction versus Repulsion as Drivers of Intra- and Intergroup Relations." <i>American Journal of Sociology</i> 119: 486–517.
2015	Bruce H. Mayhew Memorial Lecturer, Department of Sociology, University of South Carolina.
2014 – 2022	Invited Instructor, ICPSR Summer Program in Quantitative Methods of Social Research, University of Michigan, Network Analysis: Statistical Approaches.
2013	Fellow, American Association for the Advancement of Science.
2013	Outstanding Faculty Award, University of South Florida.
2013	Faculty Outstanding Research Achievement Award, Office of Research and Innovation, University of South Florida.
2012	James S. Coleman Distinguished Career Award in recognition of a lifetime of contributions to the field of Mathematical Sociology. American Sociological Association, Mathematical Sociology Section.
1995 –	Member, Sociological Research Association. Invitation only honorary society recognizing outstanding research accomplishments in sociology.

- 2001 – 2015 Invited Instructor, University of Essex Summer School in Social Science Data Analysis and Collection, Advanced Social Network Analysis.
- 2003 The Coleman Prize, Rationality and Society section of the American Sociological Association, for *Network Exchange Theory* edited by D. Willer, and shared with M. Lovaglia, B. Markovsky, T. Patton, B. Simpson, S. Thye, and D. Willer.
- 2000-2001 Chair, ASA Section on Mathematical Sociology.
- 1997 Poland Ministry of Education Award for Achievements in Research for *Status, Network, and Structure: Theory Development in Group Processes*. Stanford University Press. Edited with J. Szmataka and J. Berger.
- 1997 – 2000 Faculty Associate, Preston Residential College, University of South Carolina.
- 1994 USC Educational Foundation Award for Research in Humanities and Social Sciences, University of South Carolina.
- 1972 – 1975 Learning Research and Development Fellow, Multi-Disciplinary Program in Education, University of Pittsburgh.
- 1969 – 1972 National Science Foundation Fellow, University of Pittsburgh.
- 1969 Phi Beta Kappa, Lehigh University.

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**TEACHING EXPERIENCE**

*Undergraduate Courses Taught:* Introductory Sociology; Statistics; Sociology of Education; Social Structures: Hidden Structures of Social Life; Social Organizations; Sociological Theory; Utopian Societies; Minority Group Relations; Social Networks; Social Complexity: Theories and Models.

*Graduate Courses Taught:* Introduction to Mathematical Sociology; Stratification, Inequality, and Mobility; Sociological Statistics; Advanced Social Network Analysis; Social Network Analysis; Game Theory and Rational Choice Models; Theory Construction; Foundations of Structural Sociology; Contemporary Sociological Theory.

*Dissertations Directed:*

Arroyo-Flores, J. 2020. "A Social Network Analysis of Online Gamers' Friendship Networks: Structural Attributes of Steam Friendships, and Comparison of Offline-Online Social Ties of MMO Gamers."

Bailey, J. 2019. "Palatable Shades of Gender: Status Processes at the Intersection of Race, Gender, and Team Formation."

Chang, C.Y. 1998. "Models for Intergroup Association: An Examination of Inter-marriage in the United States, 1980-1990."

Burkett, T. 1997. "Cosponsorship in the United States Senate: A Network Analysis of Senate Communication and Leadership, 1973-1990."

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**UNIVERSITY COMMITTEES**

University of South Florida.

Chair, Recommending Committee for Distinguished University Professors, 2013, 2015; Promotion and Tenure Committee, School of Social Sciences, College of Arts and Sciences, 2015-2016, 2021-2022; Promotion and Tenure Committee, College of Arts and Sciences, 2010-2011; Search Committee for Dean of Florida Mental Health Institute 2006-2007.

Member, Recommending Committee for Distinguished University Professors, 2012-2015, 2021, 2022; College of Arts and Sciences Tenure and Promotion Review Committee, 2021-2022; School of Social Sciences Tenure and Promotion Review Committee, 2013-2015; Clinical and Translational Science Award Application Workgroup, 2010; Budget Planning Workgroup, 2008; Review Committee, Graduate Education and Research Thrust Initiative on Sustainable Healthy Communities, 2006.

University of South Carolina.

Chair, University Committee on Tenure and Promotions, 1998 – 1999.

Member, VCM Steering Committee, 2004 – 2005; Institutional Review Board, 2001 – 2003; Value Centered Management Planning Committee, 2002 – 2003; Tenure Review Board, 1999 – 2002; University Committee on Tenure and Promotions, 1996 – 1998.

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**RESEARCH INTERESTS**

Theoretical methods: measurement and representation, simulation, stochastic processes, formal modeling and analysis.

Group processes and social psychology: status organizing processes and effects on participation in group discussions, power processes in network exchange, models of dominance structure formation.

Network analysis and modeling: random and biased net models, diffusion of disease and information, the small world problem, population differentiation and network structure.

Structures of action-language and grammars of action, production system models of social behavior, feasibility analysis of action strings.

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**GRANTS & CONTRACTS**

Office of Naval Research, Exploring Majority Illusion and Pluralistic Ignorance within the Context of Eastern European Social Media. 2018-2019. N00014-18-218/1201-00-A, Principal Investigator.

Defense Advanced Research Projects Agency, Modeling Information Diffusion Processes with Deep Learning Algorithms. 2018-2021. DARPA-BAA-HR001117S0018, Co-Principal Investigator. Anda Iamnitchi, Principal Investigator.

National Science Foundation, Collaborative Research: Mapping Change in Higher Education-Social Networks and STEM Reforms. 2017-2020. NSF-DUE 1726330, Co-Principal Investigator. Jennifer Lewis, Principal Investigator.

National Science Foundation. EAGER: Measuring the Effects of Academic Climate and Social Networks on Persistence of STEM Undergraduates. 2017-2019. NSF-HRD 1747583, External Expert. Michelle Miller, Principal Investigator.

National Science Foundation, BIGDATA:IA:F: Structural Anonymization Techniques for Large, Labeled, and Dynamic Social Graphs. 2016-2019. NSF-IIS 1546453, Co-Principal Investigator. Anda Iamnitchi, Principal Investigator.

National Science Foundation, *The Effects of Social Capital and Cultural Models on the Retention and Degree Attainment of Women and Minority Engineering Undergraduates*, 2014-2018. NSF-HRD 1432297. Senior Personnel. Gladis Kersaint, Principal Investigator.

NIH, *Using Network Analysis to Assess School Mental Health Organizational Structure*, 2014-2016. Faculty. 1R21MH099238-01A1. O. Thomas Massey, Principal Investigator

Department of Veterans Affairs, Health Services Research & Development Service, *Action Ethnography of Community Reintegration for Veterans with TBI*. July 2014-June 2017. Consultant. SDR 12-302, G. Powell-Cope, Principal Investigator, K. Besterman-Dahan, Co-Principal Investigator.

Department of Veterans Affairs, Office of Research and Development, Rehabilitation Research and Development Service, *Exploring Deployment Stress and Reintegration in Army National Guard Chaplains*. September 2010-August 2012. Consultant. D7800P, K. Besterman-Dahan, Principal Investigator.

NIH/NHLBI, CTSA Consortium Process Evaluation, February 2009 – February 2010, Social Network Analysis Consultant to Westat, Inc HHSN2682000900045U, P. Lipman, Principal Investigator.

National Science Foundation, *Status Orders in Task Discussion Groups*. July 1998 – August 2000, Principal Investigator.

National Science Foundation, *Collaborative Research On: Fundamental Processes of Network Exchange*. September 1996 - November 1997, Principal Investigator.

National Science Foundation, *Collaborative Research On: Testing and Extending a Dynamic Model for Interaction in Discussion Groups*. August 1995 - January 1997, Principal Investigator.

National Science Foundation, *Applications of Genetic Algorithms and Classifier Systems to the Analysis of Systems of Social Interaction*. June 1993 - July 1995, Principal Investigator.

National Science Foundation, *Actors in Structures: New Research on Social Exchange Networks*. June 1993 - July 1994, Co-Principal Investigator.

National Science Foundation, *Inclusion as a Basis for Power in Exchange Networks*. June 1991 - July 1993, Co-Principal Investigator.

National Science Foundation, *Acquisition of Instrumentation for an Advanced Experimental Network*. June 1991 - July 1993, Principal Investigator.

National Science Foundation, *Power, Exclusion and Network Exchange Dynamics* September 1990 - October 1991, Principal Investigator.

National Science Foundation, *Renewal of Stratification and Vertical Mobility in Organizations*. March 1982 - August 1983, Co-Principal Investigator.

National Science Foundation, *Stratification and Vertical Mobility in Organizations*. July 1979 - December 1980, Co-Principal Investigator.

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**SOFTWARE**

Skvoretz, J. 2014. "Network Analysis: Statistical Approaches, R Programs." ICPSR Summer 2014. Implements custom routines for statistical analysis of network data in the R environment.

Skvoretz, J. 1998. "AUTO THEORY." Analyzes frequency of exchange and earning predictions for three theories of power in exchange networks. Available in QuickBasic 4.0 for DOS platforms.

Skvoretz, J. 1996. "CONNET: V4." Implements experiments on networks of conflict relations using a local area network of personal computers; manages subject-to-subject interaction and experimenter monitoring of interactions. Available in QuickBasic 4.0 for DOS platforms.

Skvoretz, J. 1996. "EXNET: V5" Implements experiments on networks of exchange relations using a local area network of personal computers; manages subject-to-subject interaction and experimenter monitoring of interaction. Available in QuickBasic 4.0 for DOS platforms.

Skvoretz, J. 1993. "WPBIAS." Calculates frequencies of agreements between positions in exchange networks under several different specifications of tendencies to seek exchange. Available in QuickBasic 4.0 for DOS platforms.

Skvoretz, J. 1992. "EXNET V4." Implements experiments on networks of exchange relations using a local area network of personal computers; manages subject-to-subject interaction and experimenter monitoring of negotiations. Available in QuickBasic 4.0 and requires Novell's database Btrieve.

Skvoretz, J. 1990. "BNETALGA and BNETALGB." Generates communication networks subject to specifiable biases in the formation of ties identified in the theory of random and biased nets. Available in QuickBasic 4.0 and TurboPascal for DOS platforms.

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## RESEARCH ARTICLES

Karpiński, Z. and J. Skvoretz. 2023. "Status Allocation from Elementary Allocation Principles." *Research in Social Stratification and Mobility*, forthcoming.

Ng, K.W., F. Mubang, L.O. Hall, J. Skvoretz, and A. Iamnitshi. 2023. "Experimental Evaluation of Baselines for Forecasting Social Media Timeseries." *EPJ Data Science* 12:8. doi: 10.1140/epjds/s13688-023-00383-9.

Iamnitshi, A., L.O. Hall, S. Horawalavithana, F. Mubang, K.W. Ng, and J. Skvoretz. 2023. "Modeling Information Diffusion in Social Media: Data-drive Observations." *Frontiers in Big Data* 6:1135191. doi: 10.3389/fdata.2023.1135191.

Wao, H., G. Kersaint, C.A.S. Smith, R. Campbell-Montalvo, E. Puccia, J. Skvoretz, J.P. Martin, R. Lee, and G. MacDonald. 2023. "Examining How Social Networks Influence Women and Under-represented Minority Students' Pursuit of Engineering in University: When, Who, and How?" *International Journal of STEM Education* 10:25, doi: 10.1186/s40594-023-00415-w.

Skvoretz, J., K. Kappelman, A. Marcy, J.D. McAlpin, J.E. Lewis, J.P. Ziker, K. Mertens, B. Earl, S.E. Shadle, B.A. Couch, S. Feola, L.B. Prevost, A.K. Lane, B. Whitt, and M. Stains. 2023. "Social Networks and Instructional Reform in STEM: The Teaching-Research Nexus." *Innovative Higher Education* 48: 579-600.

Horawalavithana, S., N. Choudhury, J. Skvoretz, and A. Iamnitich. 2022. "Online Discussion Threads as Cascade Pools: Predicting the Growth of Discussion Threads on Reddit." *Computational and Mathematical Organization Theory* 28: 112-140.

Campbell-Montalvo, R., M. Malaykhan, C.A.S. Smith, M. Hughes Miller, E. Puccia, M. Mayberry, J. Skvoretz, and H. Wao. 2022. "Sexual and Gender Minority Undergraduates' Relationships and Strategies for Managing Fit in STEM." *PLoS ONE* 17(3): e0263561, <https://doi.org/10.1371/journal.pone.0263561>.

Lane, A.K., B. Earl, S. Feola, J.E. Lewis, J.D. McAlpin, K. Mertens, S.E. Shadle, J. Skvoretz, J.P. Ziker, M. Stains, B.A. Couch, and L.B. Prevost. 2022. "Context and Content of Teaching Conversations: Exploring How To Promote Sharing of Innovative Teaching Knowledge Between Science Faculty." *International Journal of STEM Education* 9: no. 53.

Campbell-Montalvo, R., H. Cooke, C.A.S. Smith, M. Hughes Miller, H. Wao, E. Puccia, M. Mayberry, and J. Skvoretz. 2022. "'Now I'm Not Afraid': The Influence of Identity-Focused STEM Professional Organizations on the Persistence of Sexual and Gender Minority Undergraduates in STEM." *Frontiers in Education* 7: article 780331.

Campbell-Montalvo, R., G. Kersaint, C.A.S. Smith, E. Puccia, O. Sidorova, H. Cooke, H. Wao, J.P. Martin, J. Skvoretz, G. MacDonald, and R. Lee. 2022. "The Influence of Professional Engineering Organizations on Women and Underrepresented Minority Students' Fit." *Frontiers in Education* 6: article 755471.

McAlpin, J.D., J.P. Ziker, J. Skvoretz, B.A. Couch, B. Earl, S. Feola, A.K. Lane, K. Mertens, L.B. Prevost, S.E. Shadle, M. Stains, and J.E. Lewis. 2022. "Development Of The Cooperative Adoption Factors Instrument to Measure Factors Associated with Instructional Practice in the Context of Institutional Change." *International Journal of STEM Education* 9: no. 48.

Kanamori, M., C. Shrader, J. Flores-Arroyo, A. Johnson, E. Rodriguez, S. Fallon, J. Skvoretz, V. Gonzalez, S. Doblecki-Lewis, A. Carrico, K. Fujimoto, M. Williams, and S. Safren. 2022. "The Association between Egocentric Sexual Networks and Sexual Meeting Venues with PrEP Conversation and Encouragement for Use among Latinx Men Who Have



Sex with Men.” *AIDS Care - Psychological and Socio-Medical Aspects of AIDS/HIV* [09540121], 1-8.

Kanamori, M., C. Shrader, A. Johnson, J. Arroyo-Flores, E. Rodriguez, J. Skvoretz, S. Fallon, V. Gonzalez, S. Safren, M. Williams, and S. Doblecki-Lewis. 2022. “The Association Between Homophily on Illicit Drug Use and PrEP Conversations Among Latino Men Who Have Sex with Men Friends: A Dyadic Network and Spatially Explicit Study.” *Archives of Sexual Behavior* 51(5), 2485-2495.

Campbell-Montalvo, R., G. Kersaint, C.A.S. Smith, E. Puccia, J. Skvoretz, H. Wao, J.P. Martin, G. MacDonald, and R. Lee. 2022. “How Stereotypes and Relationships Influence Women and Underrepresented Minority Students' Fit in Engineering.” *Journal of Research in Science Teaching* 59: 656–692.

Kanamori, M., D. Castaneda, K.J. Self, L. Sanchez, Y. Rosas, E. Rodriguez, C. Shrader, J. Arroyo-Flores, A. Johnson, J. Skvoretz, D. Gomez, and M. Williams. 2021. “Why Re-Invent the Wheel? Social Network Approaches Can Be Used to Mitigate SARS-CoV-2 Related Disparities in Latinx Seasonal Farmworkers.” *International Journal of Environmental Research and Public Health* 18(23), 12709; <https://doi.org/10.3390/ijerph182312709> - 02 Dec 2021.

Puccia, E, J.P. Martin, C.A.S. Smith, G. Kersaint, R. Campbell-Montalvo, H. Wao, R. Lee, J. Skvoretz, and G. MacDonald. 2021. “The Influence of Expressive and Instrumental Social Capital from Parents on Women and Underrepresented Minority Students' Declaration and Persistence in Engineering Majors.” *International Journal of STEM Education* 8:20. <https://doi.org/10.1186/s40594-021-00277-0>.

Shrader, CH., J. Arroyo-Flores, J. Skvoretz, S. Fallon, V. Gonzales, S. Safren, A. Algarin, A. Johnson, S. Doblecki-Lewis, and M. Kanamori. 2021. “PrEP Use and PrEP Use Disclosure Are Associated with Condom Use During Sex: A Multilevel Analysis of Latino MSM Egocentric Sexual Networks.” *AIDS and Behavior* 25: 1636–1645. <https://doi.org/10.1007/s10461-020-03080-0>.

Shrader, CH., J. Arroyo-Flores, J. Stoler, J. Skvoretz, A. Carrico, S. Doblecki-Lewis, and M. Kanamori. 2021. “The Association Between Social and Spatial Closeness With PrEP Conversations Among Latino Men Who Have Sex With Men.” *Journal of Acquired Immune Deficiency Syndromes* 88: 366-375.

Karpiński, Z., J. Skvoretz, A. Kęska, and D. Przybysz. 2021. “The Big Tent: Integrating Macro Models for Intergroup Association with Experimental Data on Exchange Relations in a Minimal Group Setting.” *Advances in Group Processes* 38: 165-186.

Kanamori, M., CH. Shrader, A. Johnson, J. Arroyo-Flores, E. Rodriguez, J. Skvoretz, S. Fallon, V. Gonzalez, S. Safren, M. Williams, and S. Doblecki-Lewis . 2021. "The Association Between Homophily on Illicit Drug Use and PrEP Conversations Among Latino Men Who Have Sex with Men Friends: A Dyadic Network and Spatially Explicit Study." *Archives of Sexual Behavior*. <https://doi.org/10.1007/s10508-021-02131-4>.

Nair, S., K.W. Ng, A. Iamnitshi, and J. Skvoretz. 2021. "Diffusion of Social Conventions Across Polarized Communities." *Social Network Analysis and Mining* 11: 1-17.

Smith, C.A.S, H. Wao, G. Kersaint, R. Campbell-Montalvo, P. Gray-Ray, E. Puccia, J.P. Martin, R. Lee, J. Skvoretz, and G. MacDonald. 2021. "Social Capital From Professional Engineering Organizations and the Persistence of Women and Underrepresented Minority Undergraduates." *Frontiers in Sociology* 6. <https://www.frontiersin.org/article/10.3389/fsoc.2021.671856>.

Lane, A.K., J.D. McAlpin, B. Earl, S. Feola, J.E. Lewis, K. Mertens, S.E. Shadle, J. Skvoretz, J.P. Ziker, B.A. Couch, L.B. Prevost, M. Stains. 2020. "Innovative Teaching Knowledge Stays with Users." *Proceedings of the National Academy of Sciences* vol. 117 no. 37 22665-22667.

Skvoretz, J., G. Kersaint, R. Campbell-Montalvo, J. Ware, C. Smith, E. Puccia, J. Martin, R. Lee, G. MacDonald and H. Wao. 2020. "Pursuing an Engineering Major: Social Capital of Women and Underrepresented Minorities." *Studies in Higher Education* 45: 592-607.

Lane, A.K., J. Skvoretz, J.P. Ziker, B.A. Couch, B. Earl, J.E. Lewis, J.D. McAlpin, L.B. Prevost, S.E. Shadle & M. Stains. 2019. "Investigating How Faculty Social Networks and Peer Influence Relate to Knowledge and Use of Evidence-based Teaching Practices." *International Journal of STEM Education* 6: Article 28.

Horawalavithana, S., Flores, J. A., Skvoretz, J., & Iamnitshi, A. 2019. "Behind the Mask: Understanding the Structural Forces That Make Social Graphs Vulnerable to Deanonymization." *IEEE Trans. Comput. Soc. Syst.*, 6(6), 1343-1356.

Horawalavithana, S., Flores, J. A., Skvoretz, J., & Iamnitshi, A. 2019. "The Risk of Node Re-Identification in Labeled Social Graphs." *Applied Network Science*, 4(1), 33.

Liu, R., F. Mubang, L.O. Hall, S. Horawalavithana, A. Iamnitshi, & J. Skvoretz. 2019. "Predicting Longitudinal User Activity at Fine Time Granularity in Online Collaborative Platforms." *2019 IEEE*

*International Conference on Systems, Man and Cybernetics (SMC):* 2535-2542.

Horawalavithana, S., A. Iamnitchi and J. Skvoretz. 2019. "Beyond the Marathon: A Generative/Discriminative Approach for the Deconstruction of Cascading Events." *NetSci19 Satellite on Machine Learning in Network Science*.

Horawalavithana, S., Gandy, J. Arroyo-Flores, J. Skvoretz and A. Iamnitchi. 2018. "Diversity, Homophily and the Risk of Node Re-identification in Labeled Social Graphs." In *International Conference on Complex Networks and their Applications*, pp. 400-411. Springer.

Alhazmi, E., S. Horawalavithana, J. Skvoretz, J. Blackburn, and A. Iamnitchi. 2017. "An Empirical Study on Team Formation in Online Games." In *Proceedings of the 2017 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining 2017, ASONAM '17*; 431-438, ACM.

Bailey, J.L. and J. Skvoretz. 2017. "The Social-psychological Aspects of Team Formation: New Avenues for Research." *Sociology Compass* 11:e12487.

Skvoretz, J. and J.L. Bailey. 2016. "'Red, White, Yellow, Blue: All Out But You': Status Effects on Team Formation, An Expectation States Theory." *Social Psychology Quarterly* 79: 136-155.

Skvoretz, J. 2016. "All for One and One for All: Theoretical Models, Sociological Theory, and Mathematical Sociology." *Journal of Mathematical Sociology* 40: 71-79.

Skvoretz, J. 2016. "The South Carolina Network Exchange Datasets." *Connections* 35: 58-61.

Zuo, X., C. Gandy, A. Iamnitchi, and J. Skvoretz. 2016. "Bad Apples Spoil the Fun: Quantifying Cheating Influence in Online Gaming." *Proceedings of the 10<sup>th</sup> International AAAI Conference on Web and Social Media* 496-505.

Skvoretz, J., K. Dyer, E.M. Daley, R. DeBate, C. Vamos, and N. Kline. 2016. "Research and Practice Communications Between Oral Health Providers and Prenatal Health Providers: A Bibliometric Analysis." *Maternal and Child Health Journal* 20: 1607-1619.

Cimenler, O., K. Reeves, J. Skvoretz, and A. Oztekin. 2016. "A Causal Analytic Model to Evaluate the Impact of Researchers' Individual Innovativeness on Their Collaborative Outputs." *Journal of Modelling in Management* 11: 585-611.

Skvoretz, J. and T.J. Fararo. 2016. "Status and Interaction: A Stochastic Model for the Measurement of Macro-status Value and the Determination of Micro-Status Ranking in Task Group." *Socius: Sociological Research for a Dynamic World* 2016: 1-16.

Zuo, X., J. Blackburn, N. Kourtellis, J. and A. Iamnitchi. 2016. "The Power of Indirect Ties." *Computer Communications* 73:188-199

Cimenler, O., K. Reeves, and J. Skvoretz. 2015. "An Evaluation of Collaborative Research in a College of Engineering." *Journal of Informetrics* 9: 577-590.

Karpiński, Z. and J. Skvoretz. 2015. "Repulsed by the 'Other': Integrating Theory with Method in the Study of Intergroup Association." *Sociological Theory* 33: 20-43.

Lee, B.S., K.M. Rost, N.S. Park, and J. Skvoretz. 2015. "Peer Influence on Change in Employer Appraisal of Depression Care Management Products." *SM Journal of Depression Research and Treatment* 2015;1(2):1010.

Zuo, X., J. Blackburn, N. Kourtellis, J. Skvoretz, and A. Iamnitchi. 2014. "The Power of Indirect Ties in Friend-to-Friend Storage Systems." In *P2P'14: Proceedings of the 14<sup>th</sup> IEEE International Conference on Peer-to-Peer Computing*: 1-5, London, UK.

Pfeffer, J., B. Hollstein, and J. Skvoretz. 2014. "The Sunbelt 2014 Data: Mapping the Field of Social Network Analysis." *Connections* 34, 1&2.

Zuo, X., J. Blackburn, N. Kourtellis, J. Skvoretz, and A. Iamnitchi. 2014. "The Influence of Indirect Ties on Social Network Dynamics." In *SocInfo'14: Proceedings of the 6th International Conference on Social Informatics*, Lecture Notes in Computer Science, v. 8851: 50-65, Barcelona, Spain.

Cimenler, O., K. Reeves, and J. Skvoretz. 2014. "A Regression Analysis of Researchers' Social Network Metrics on Their Citation Performance in a College of Engineering." *Journal of Informetrics* 8: 667-682.

Blackburn, J., Kourtellis, N., Skvoretz, J., Ripeanu, M., and Iamnitchi, A. 2014. "Cheating in Online Games: A Social Network Perspective." *ACM Transactions on Internet Technology*: 13(3): 9:1-9:25.  
DOI:<http://dx.doi.org/10.1145/2602570>.

Skvoretz, J. 2013. "Diversity, Integration, and Social Ties: Attraction versus Repulsion as Drivers of Intra- and Intergroup Relations." *American Journal of Sociology* 119: 486-517.

Kim, S. and J. Skvoretz. 2013. "Structural Embeddedness, Uncertainty, and International Trade." *International Journal of Comparative Sociology* 54: 124-143.

Kayes, I., X. Qian, J. Skvoretz, A. Iamnitchi. 2012. "How Influential Are You: Detecting Influential Bloggers in a Blogging Community." Pp. 29-42 in *Proceedings of Social Informatics 2012*. Berlin/Heidelberg: Springer.

Besterman-Dahan, K., S. Barnett, E. Hickling, C. Elnitsky, J. Lind, J. Skvoretz, and N. Antinori. 2012. "Bearing the Burden: Deployment Stress Among Army National Guard Chaplains." *Journal of Health Care Chaplaincy* 18: 151-168.

Blackburn, J., R. Simha, N. Kourtellis, X. Zuo, C. Long, M. Ripeanu, J. Skvoretz, A. Iamnitchi. 2012. "Branded with a Scarlet Letter ``C``: Cheaters in a Gaming Social Network." Proceedings of the *International Conference on World Wide Web WWW'12*, April 2012, Lyon, France.

Agneessens, F. and J. Skvoretz. 2012. "Group Differences in Reciprocity, Multiplexity, and Exchange: Measures and Application." *Quality and Quantity* 46: 1523-1545.

Skvoretz, J. and T.J. Fararo. 2011. "Mathematical Sociology." <http://www.isa-sociology.org/publ/sociopedia-isa/sociopedia-isa-access.htm>.

Tsalatsanis, A., L. Barnes, I. Hozo, J. Skvoretz, and B. Djulbegovic. 2011. "A Social Network Analysis of Treatment Discoveries in Cancer." *PLoS ONE* 6(3): e18060.

Kim, S. and J. Skvoretz. 2010. "Embedded Trade: A Third Party Effect." *Social Science Quarterly* 91: 964-983.

Opsahl, T, F. Agneessens, and J. Skvoretz. 2010. "Node Centrality in Weighted Networks: Generalizing Degree and Shortest Paths." *Social Networks* 32: 245-251.

Koehler, G. and J. Skvoretz. 2010. "Residential Segregation in University Housing: The Mathematics of Preferences." *Social Science Research* 39:14-24.

Prell, C. and J. Skvoretz. 2008. "Looking at Social Capital Through Triad Structures." *Connections* 28, 2: 4-16.

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Skvoretz, J. 2022. "Status Orders as Tournaments: Tests of an Expectation States Model for the Emergence of Status Orders in Task Groups." Pp. 92-110 In *Unequals: The Power of Status and Expectations in our Social Lifes*, edited by M. Webster, Jr., and L.S. Walker. New York: Oxford University Press.

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**BOOK REVIEWS, ETC.**

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Skvoretz, J. 2009. "Social Network Analysis and CTSA Consortium Structure and Organization: Preliminary Results from Archival Data Sources." Technical Report to Westat.

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**INVITED PRESENTATIONS**

Karpiński, Z. and J. Skvoretz. 2019. "Status Allocation from Elementary Allocation Principles." POLPAN Seminar, Research Team on Comparative Analysis of Social Inequality. Warsaw, PL.

Skvoretz, J. 2019. "The Network Science Behind Weaponized Social Media." International laboratory for Applied Network Research, Higher School of Economics. Moscow, RU.

Karpiński, Z. and J. Skvoretz. 2019. "'What Mathematical Sociology Reveals about the Problem of Integrating Diverse Societies: Advances in the Analysis of Networks of Intergroup Relations, Attraction vs Repulsion Models" XX April International Academic Conference On Economic and Social Development. Moscow, RU.

Skvoretz, J. 2017. "Workshop: Foundations of Biased Net Models." Sunbelt XXXVII International Social Network Conference.

Skvoretz, J. 2016. "The Network Science Behind Weaponized Social Media." NATO Senior Psychological Operations Conference, Tampa, FL.

Skvoretz, J. 2016. "Networks, Theories, and Change Implementation." Linked Educational Researchers of Networks in Undergraduate STEM 2016 Workshop, Portland, OR.

Skvoretz, J. 2015. "What Baseline (and Other) Models Can Tell US About Race and Ethnic Relations in the USA Today." Bruce H. Mayhew Memorial Lecture.

Skvoretz, J. 2014. "Structural Signatures and Hidden Networks: Statistical Models for Social Networks in Totalitarian Social Orders." Keynote address for Disclosing Invisible Society: Informal and Concealed Social Networks Under Communism conference, Vilnius, Lithuania.

Skvoretz, J. 2014. "All for One and One for All: Theoretical Models, Sociological Theory, and Mathematical Sociology." Coleman Award Lecture, Section on Mathematical Sociology, American Sociological Association.

Skvoretz, J. 2014. "Text Processing in QuickBasic and R." Big Data and Writing Studies Colloquium, Department of English, University of South Florida.

Skvoretz, J. 2014. "Status Orders in Task Groups as Emergent Tournaments." Department of Sociology, Cornell University.

Skvoretz, J. 2013. "Quick Intro to Social Network Analysis." PHC 7704 Applied Research Methods in CFH, College of Public Health, University of South Florida.

Skvoretz, J., J. Blackburn, and A. Iamnitchi. 2013. "Contagion as an Explanation for the Diffusion of Cheating in an Online Gaming Network." Southern Sociological Society.

Skvoretz, J. 2012. "Quick Intro to Social Network Analysis." PHC 7704 Applied Research Methods in CFH, College of Public Health, University of South Florida.

Skvoretz, J. 2012. "Diversity, Integration, and Networks: Attraction vs Repulsion as Drivers of Interethnic and Intergroup Relations." Keynote address for Applications of Social Network Analysis 2012 conference. Zurich, Switzerland.

Skvoretz, J. 2011. "Quick Intro to Social Network Analysis." Health Outcomes and Behavior Research Group, Moffitt Cancer Center.

Skvoretz, J. 2011. "Workshop on Social Network Analysis." Evidence Based Medicine Research Group, University of South Florida.

Skvoretz, J. 2010. "Next Steps in Mathematical Sociology." American Sociological Association.

Skvoretz, J. 2010. "Attraction vs Repulsion as Drivers of Interethnic and Intergroup Relations: A Social Network Analysis." 43<sup>rd</sup> Essex Summer School in Social Science Data Analysis. Colchester, UK.

Skvoretz, J. 2010. "Basic Network Methods for Team Science Research." Workshop for The Science of Team Science Conference. Chicago, IL.

Skvoretz, J. 2010. "Nothing but Net(works): Basic Network Methods for Behavioral Health Services Research." Workshop for The Quality of Behavioral Healthcare Conference. Clearwater Beach, FL.

Skvoretz, J. 2006. "Simulation as a Theoretical Tool." Professional Development Workshop at Academy of Management Meetings, Atlanta, GA.

Skvoretz, J. 2006. "Social Capital and Phi Beta Kappa." Tampa Bay Area Phi Beta Kappa Association.

Skvoretz, J. 2005. "Leadership and Complexity Theory." Symposium on Leadership and Complexity Theory. Center for Creative Leadership, Greensboro, NC.

Skvoretz, J. 2003. "Connecting the Dots: Using Exponential Random Graph Models to Predict the Location of Ties in Networks." South Carolina Chapter of the American Statistical Association.

Skvoretz, J. 2002. "Connecting the Dots: Applications of Exponential Random Graph Models to the Prediction of Tie/Arc/Edge Locations in Networks /Digraphs/Graphs." Department of Computer Science and Engineering, University of South Carolina.

Skvoretz, J. 2001. "Complexity Theory and Statistical Models for Social Networks." American Sociological Association.

Skvoretz, J. 2000. "Network Exchange Research." MacArthur Research Network on Social Interactions and Economic Outcomes, Brookings Institution.

Skvoretz, J. 2000. "Dynamic Models in Group Process Research." American Sociological Association.

Skvoretz, J. 1999. "Status and Inequality: Resources, Expectations, and Advantage." American Sociological Association.

Skvoretz, J. 1999. "Looking Backward into the Future: Formal Sociology Then and Now." American Sociological Association.

Skvoretz, J. 1999. "Modeling Racial Preferences and Segregation on Campus." Colloquium at the Department of Sociology, Anthropology, and Social Work, University of North Carolina, Charlotte.

Skvoretz, J. 1998. "The Evolution of Status Orders in Task Groups." Colloquium at the Sociology Department, University of California, Riverside.

Skvoretz, J. 1998. "When Opposites Attract: Intermarriage in the USA." Seminar at Preston College, University of South Carolina.

Skvoretz, J. and T.J. Fararo. 1998. "Theoretical Integrations: Advances in Generative Structuralism." Eleventh Annual Theory and Research on Group Processes Conference.

Skvoretz, J. 1997. "The Theory of One-Night Stands: Trust and Cooperation Among Strangers." Seminar at Preston College, University of South Carolina.

Skvoretz, J. 1997. "Status Orders in Task Groups." Department of Sociology, University of Arizona.



Skvoretz, J. 1997. "Models and Theory: Commentary on 'Sex Segregation and Glass Ceilings: A Comparative Statics Model of Women's Career Opportunities in the Federal Government over a Quarter of a Century'." American Sociological Association.

Skvoretz, J. 1996. "Theoretical Models: Sociology's Missing Link." American Sociological Association meetings.

Skvoretz, J. 1995. "Structural Determinants of Solidarity." Lecture to the Krakow Branch of the Polish Sociological Society.

Skvoretz, J. 1995. "Structure and Commitment in Exchange Networks." Lecture to the Institute of Sociology, Jagiellonian University, Krakow, Poland.

Skvoretz, J. 1995. "Commitment in Negotiated Exchange Networks: Who Exchanges with Whom and Why." European-American Workshop on Structuralism and Rational Choice at the Netherlands Institute for Advanced Studies, Wassenaar, the Netherlands.

Skvoretz, J. 1995. "Embedded Commitment." Department of Social and Decision Sciences, Carnegie-Mellon University.

Skvoretz, J. 1995. "E-State Structuralism: Process Models for Social Structure." Network Analysis Workshop, Center for the Social Sciences, Columbia University.

Skvoretz, J. 1995. "A Structural Theory of Commitment." Educational Foundation Award Lecture, University of South Carolina.

Skvoretz, J. 1992. "Basic Network Analysis." College of Business Administration, University of South Carolina.

Skvoretz, J. 1992. "Genetic Algorithms and the Analysis of Social Action Systems." Lecture to Theory Workshop, Department of Sociology, University of Iowa.

Fararo, T.J. and J. Skvoretz. 1989. "Theoretical Integration: Methods and Problems." Conference on Theory Growth and the Study of Group Processes, Stanford University.

Skvoretz, J. 1989. "Networks and Group Processes: Structure and Social Structure." Panel on Structural Sociology in honor of B.H. Mayhew, Southern Sociological Society.

Skvoretz, J. 1986. "The Structure of Feasibility in a Robot World." Society for General Systems Research.

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**PAPERS & PRESENTATIONS**

Skvoretz, J., K. Kappelman, A. Marcy, J.D. McAlpin, J.E. Lewis, K. Mertens, J.P. Ziker, B. Earl, S.E. Shadle, B.A. Couch, S. Feola, L.B. Prevost, K. Lane, B. Whitt, and M. Stains. 2022. "Leveraging Research Networks to Advance Instructional Reforms in STEM." Sunbelt XLII International Social Network Conference.

Campbell-Montalvo, R., H. Cooke, C.A.S. Smith, M. Hughes Miller, H. Wao, E. Puccia, M. Mayberry, and J. Skvoretz. 2022. "Supporting LGBTQIA+ undergraduate STEM student persistence: Changing structures to promote success." 2022 Inclusive Environments and Metrics in Biology Education and Research Conference.

Nair, S., A. Iamnitshi, and J. Skvoretz. 2019. "Promoting Social Conventions Across Polarized Networks: An Empirical Study." 2019 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining.

Nair, S., A. Iamnitshi, and J. Skvoretz. 2019. "Can Persistent Minorities Leverage the Majority Illusion?" Sunbelt XXXIX International Social Network Conference.

Karpiński, Z. and J. Skvoretz. 2019. "Trust and Cooperation from Homophily and Reciprocity." Sixth International Meeting on Experimental and Behavioral Social Sciences.

Skvoretz, J., M. Busenbarrick, Y. Horawalavithana, Z. Zheng, and A. Iamnitshi. 2018. "Diffusion Processes and Two Mode Networks: User Engagement on GitHub." 2nd North American Social Networks Analysis Conference.

Skvoretz J., S.E. Shadle, B.A. Couch, M. Stains, L.B. Prevost, J.E. Lewis, and J.P. Ziker. 2018. "Faculty Social Networks and STEM Reforms." Sunbelt XXXVIII International Social Network Conference.

Skvoretz, J., J. Arroyo Flores, C. Gandy, S. Viswanathan, and A. Iamnitshi. 2017. "Anonymizing Social Network Data for the Research Community." Sunbelt XXXVII International Social Network Conference.

Skvoretz, J. 2017. "Status Expectations and Competence Ratings." Southern Sociological Society Meeting 2017.

Kersaint, G., Smith, C., Wao, H., MacDonald, G., Lee, R., Skvoretz, J., Reeves, K., Martin, J., Campbell, R., Puccia, E., Ware, J. 2017. "Inclusion and Equity of Engineering Diversities: Social Capital, Cultural Models, and Success of Women and Minority Engineering Undergraduates." Poster presented at the Southern Sociological Society Meeting 2017.

Kersaint, G., Wao, H., Smith, C., MacDonald, G., Lee, R., Skvoretz, J., Reeves, K., Martin, J., Campbell, R., Brookins, S. 2016. "Using Social Capital and Cultural Model Theories to Guide Research on the Retention and Degree Attainment of Women and Minority Engineering Undergraduates." Poster at American Educational Research Association Annual Meeting.

Skvoretz, J. 2016. "The Pause that Refreshes: Biased Net Models for Recharging and Reigniting Social Ties." Sunbelt XXXVI International Social Network Conference.

Skvoretz, J. and J. Bailey. 2015. "'Red, White, Yellow, Blue, All Out But You!': An Expectation States Theory of Teammate Selection." Annual Group Processes Conference, August 2015.

Broniatowski, D. and J. Skvoretz. 2015. "Identifying Influence Structures in Status-Differentiated Groups." Southern Sociological Society Meetings 2015.

Daley, E. J. Skvoretz, R. DeBate, C.A. Vamos, K. Dyer and N. Kline. 2014. "Social Network Analysis of an Oral-Systemic Health Issue: Lack of Communication between Oral and Medical Health Professionals." American Public Health Association.

Skvoretz, J. 2014. "Emergence of Status Orders in Six Person Task Groups: Test of an Expectation States Model." Southern Sociological Society.

Cimenler, O., K. Reeves, and J. Skvoretz. 2014. "An Evaluation of Collaborative Research in a College of Engineering: A Social Network Approach." Sunbelt XXXIV International Social Network Conference.

Hopton, S.B., J. Pfeffer, and J. Skvoretz. 2014. "Evidence of Things Unseen: A Critical Discourse Analysis of the Rhetorics of Agent Orange." Sunbelt XXXIV International Social Network Conference.

Mahoney, H., E. Buhi, J. Skvoretz, and R. DeBate. 2014. "'All the Cool Kids are Doing It!': A Social Network Analysis on the Role of Natural Peer Leaders Regarding Sexual Behavior Among Adolescents." Sunbelt XXXIV International Social Network Conference.

Skvoretz, J. and T.J. Fararo. 2013. "Status, Deference, and Participation: A Problem, a Model, and a Test." American Sociological Association.

Broniatowski, D. and J. Skvoretz. 2013. "Status Orders in Task Groups as Precedence Networks: An Application of Author-Topic Models to Discussion in Mixed Status Groups." Sunbelt XXXIII International Social Network Conference.

Skvoretz, J. 2013. "Oligarchy's Emergence in Human Interaction: Test of a Baseline Model." Southern Sociological Society.

Kayes, I., Q. Xianoning, J. Skvoretz, and A. Iamnitshi. 2012. "How Influential are You: Detecting Influential Bloggers in a Blogging Community." SocInfo 2012.

Skvoretz, J. and J. Lai. 2012. "Utilizing Social Media for Disaster Relief: A Social Network Analysis of American Red Cross Facebook Cause Joiners Before and After the Haitian Earthquake." Southern Sociological Society.

Lai, J.W. and J. Skvoretz. 2011. "Utilizing Facebook Application for Disaster Relief: Social Network Analysis of Joiners." American Association for Public Opinion Research.

Kim, S. and J. Skvoretz. 2010. "Structural Embeddedness, Uncertainty, and International Trade."

Skvoretz, J. 2010. "CTSA Consortium Structure and Organization: Results from a Social Network Analysis of Archival Data." Sunbelt XXX International Social Network Conference.

Skvoretz, J. and F. Agneessens. 2009. "Clustering in Two Mode Networks Controlling for Degree and Actor-Event-Degree-Distributions." Conference and Workshop on Two-Mode Social Network Analysis.

Agneessens, F. and J. Skvoretz. 2009. "Sources of Political Support among US Senators: Effects of Party Membership, Legislative Activity, and Exchange of Favors on Cosponsorship Behaviour." Conference and Workshop on Two-Mode Social Network Analysis.

Agneessens, F. and J. Skvoretz. 2009. "Reciprocity and Homophily: Generalised Exchange as a Result of Group Identification versus Dyadic Exchange as a Basis of Group Cohesion." Sunbelt XXIX International Social Network Conference.

Agneessens, F. and J. Skvoretz. 2008. "Local Patterns in the Sponsorship and Cosponsorship of Bills in the US Senate: A Test of 10 Hypotheses." The Harvard Networks in Political Science Conference.

Skvoretz, J. and F. Agneessens. 2008. "Reciprocity, Multiplexity, and Exchange: Biased Net Models." Sunbelt XXVIII International Social Network Conference.

Agneessens, F. and J. Skvoretz. 2008. "ERGM (P\* Models) for Multiplex Two Mode Networks: Identifying Local Patterns in the Proposal and

Cosponsorship of Bills in the US Senate." Sunbelt XXVIII International Social Network Conference.

Skvoretz, J. 2007. "Biased Net Models for Compositional Effects in Complete Network Data." Sunbelt XXVII International Social Network Conference.

Skvoretz, J. 2006. "Ideology Vs. Party: Multidimensional Models of Political Support in the US Senate." Sunbelt XXVI International Social Network Conference.

Kim, S. and J. Skvoretz. 2005. "Embeddedness and International Trade Flows."

Skvoretz, J. 2005. "Attraction Vs. Repulsion as a Basis for Homophily." Sunbelt XXV International Social Network Conference.

Nolan, P.D., W.L. Dai, and J. Skvoretz. 2004. "Evaluating Mayhew's Baseline Models of Inequality: Tests in U.S. Customs Houses." Southern Sociological Society.

Skvoretz, J. 2004. "Pseudolikelihood Estimation of Biased Net Models." Sunbelt XXIV International Social Network Conference.

Koehler, G. and J. Skvoretz. 2002. "Preferences and Residential Segregation: A Case Study of University Housing."

Osa, M. and J. Skvoretz. 2002. "Emergence in Networks: The Impact of Structural Forces on the Entry of New Actors." Sunbelt XXIII International Social Network Conference.

Agneessens, F. and J. Skvoretz. 2002. "Arc-Specific  $p^*$  Models: Development and Application." Lille Conference on Micro-Macro Relations.

Skvoretz, J. and F. Agneessens. 2002. "Random and Biased Net Theory: A New Approach." Sunbelt XXII International Social Network Conference.

Faust, K. and J. Skvoretz. 2002. "Comparing Networks III: Replication and Relational Resemblance." Sunbelt XXII International Social Network Conference.

Fararo, T.J. and J. Skvoretz. 2000. "Theoretical Integration and Generative Structuralism." American Sociological Association.

Skvoretz, J. and K. Kuhns. 2000. "Volubility and Status: Test of a Dynamic Network Model for Participation in Task Groups."

Skvoretz, J. and T. Burkett. 2000. "Ridge Structures of Influence Among US Senators." Sunbelt XX International Social Network Conference.

Burkett, T. and J. Skvoretz. 2000. "Political Support Networks Among US Senators: Stability and Change from 1973 to 1990."

Faust, K. and J. Skvoretz. 2000. "Comparing Networks Across Space and Time, Size and Species." Lin Freeman Festschrift, April 2000.

Koehler, G. and J. Skvoretz. 1999. "Racial Preferences and Segregation: Applying the Schelling Model on Campus." National Association of Student Personnel Administrators.

Skvoretz, J., M. Webster, and J. Whitmeyer. 1998. "Status Orders in Task Discussion Groups." American Sociological Association.

Szmatka, J., T. Sozanski, J. Mazur, and J. Skvoretz. 1996. "Methodological Considerations in the Study of Conflict in Networks." American Sociological Association.

Willer, D. and J. Skvoretz. 1996. "Games and Structure." American Sociological Association.

Skvoretz, J. 1996. "Synchronous Digital Signal Processing of Task Group Discussion." First International Conference on Theory and Research in Group Processes, Krakow, Poland.

Skvoretz, J. 1995. "Theory, Data, and Mathematics: Mathematical Models as Missing Links." Professional Workshop on Mathematical Sociology, American Sociological Association.

Macy, M.W., J. Skvoretz, and W.S. Bainbridge. 1995. "Telltale Signs: Learning to Cooperate with Strangers." American Sociological Association.

Willer, D. and J. Skvoretz. 1995. "Network Connection and Exchange Ratios: Theory, Predictions, and Experimental Tests." American Sociological Association.

Skvoretz, J. and D. Willer. 1995. "Inclusion as a Basis for Power in Negotiated Exchange Networks." Sunbelt XV International Social Network Conference.

Skvoretz, J., K. Faust, and T. J. Fararo. 1995. "Social Structure, Networks, and E-State Structuralism Models." Sunbelt XV International Social Network Conference.

Willer, D. and J. Skvoretz. 1995. "Power and the P/D Game." West Coast Conference for Small Group Research.

Skvoretz, J. and P. Zhang. 1994. "Actors' Responses to Outcomes in Exchange Networks: The Process of Power Development." American Sociological Association.

Skvoretz, J. and T.J. Fararo. 1994. "The Emergence of Status Orders in Task Groups: An E-State Structural Model." Seventh Annual Theory and Research on Group Processes Conference.

Skvoretz, J. and D. Willer. 1994. "Degree and Power in Inclusively Connected Networks." Sunbelt XIV International Social Network Conference.

Skvoretz, J. 1993. "Networks and Rational Choice Models." Sixth Annual Theory and Research on Group Processes Conference.

Fararo, T.J., N.P. Hummon, J. Skvoretz and K. Kosaka. 1993. "Process and Network: E-state Structuralism and Related Methods." Third European Network Conference, Munich, Germany.

Skvoretz, J. and D. Willer. 1993. "Network Decay, Ghost Ties and Exchange Outcomes." Sunbelt XIII International Social Network Conference.

Lovaglia, M. J. and J. Skvoretz. 1993. "Predicting Frequency of Exchange in Networks: The Biased Seek Method." Sunbelt XIII International Social Network Conference.

Skvoretz, J. and T. Burkett. 1992. "Information and the Distribution of Power in Exchange Networks." American Sociological Association.

Lovaglia, M.J., J. Skvoretz, D. Willer and B. Markovsky. 1992. "Negotiated Outcomes in Social Exchange Networks." American Sociological Association.

Skvoretz, J. and T. J. Fararo. 1992. "Adaptive Processes and Grammars of Action: Toward a Genetic Algorithm Synthesis." American Sociological Association.

Willer, D. and J. Skvoretz. 1992. "The Uses of Structural Formulations in Elementary Theory." American Sociological Association.

Skvoretz, J. and D. Willer. 1992. "Conditions of Exclusion and the Development of Power in Exchange Networks." Sunbelt XII International Social Network Conference.

Markovsky, B., D. Willer, J. Skvoretz, M. Lovaglia and J. Erger. 1991. "The Seeds of Weak Power: An Extension of Network Exchange Theory." American Sociological Association.

Skvoretz, J. 1991. "Biased Net Theory: Recent Research and Applications." Second European Network Conference, Paris, France.

Willer, D. and J. Skvoretz. 1990. "Power Transitivity."

Skvoretz, J., D. Willer and T.J. Fararo. 1990. "Toward Mathematical Models of Power Development in Exchange Networks." American Sociological Association.

Skvoretz, J. 1990. "Theoretical and Methodological Models of Networks and Relations." American Sociological Association.

Skvoretz, J. 1990. "Biased Net Theory: Alternative Simulations." Sunbelt X International Social Network Conference.

Willer, D. and J. Skvoretz. 1989. "ExNet: Electronic Network for the Study of Power Relations." American Sociological Association.

Skvoretz, J. and D. Willer. 1989. "Power in Exchange Networks."

Skvoretz, J. 1989. "Network Analysis with Biased Net Models: Estimation, Simulation and Evaluation." Sunbelt IX International Social Network Conference.

Skvoretz, J. 1988. "Networks and Group Processes: Some Examples." Conference on Theory and Research on Group Processes, Emory University.

Skvoretz, J. 1988. "Social Structure and Inter marriage: A Reanalysis." Southern Sociological Society.

Nolan, P.D., J. Skvoretz and G. Zemo. 1988. "Size, Differentiation and Work Volume in Organizations: An Analysis of Customs Houses." Southern Sociological Society.

Smith, S.A. and J. Skvoretz. 1988. "Changing Reward Structures in Public and Private Sector Employment." Southern Stratification Research Conference.



Skvoretz, J. and B.H. Mayhew. 1988. "Conflict and Networks." Sunbelt VIII International Social Network Conference.

McLeod, J.R. and J. Skvoretz. 1987. "Mergers and the Structure of Organizational Populations: A Research Note."

Skvoretz, J. and T.J. Fararo. 1987. "Connectivity and the Small World Problem." Sunbelt VII International Social Network Conference.

Skvoretz, J. 1985. "Random and Biased Networks: Simulations and Approximations." Sunbelt V International Social Network Conference.

Fararo, T.J. and J. Skvoretz. 1985. "Unification Research Programs in Theoretical Sociology: Synthesizing Two Structural Theories." American Sociological Association.

Fararo, T.J. and J. Skvoretz. 1984. "Dynamics of the Formation of Stable Dominance Structures." First Conference on Status, Expectations and Related Social Processes, University of South Carolina.

Skvoretz, J. 1984. "Models of Participation in Status Differentiated Groups." First Conference on Status, Expectations and Related Social Processes, University of South Carolina.

Skvoretz, J. 1983. "Social Structure and Intergroup Marriage."

Skvoretz, J. and B.H. Mayhew. 1982. "Opportunity and Attainment." Southern Sociological Society.

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#### PROFESSIONAL ACTIVITIES

President: International Network for Social Network Analysis, 2010-2016.

Editor: *Journal of Social Structure*, 2016- ; *Connections*, 1994-1997.

Associate Editor: *Journal of Mathematical Sociology*, 1993 - .

Consulting Editor: *American Journal of Sociology*, 1996-1998.

Editorial Board Member: *Social Psychology Quarterly* 2016-2018, 1998-2000; *American Sociological Review*, 1995 – 1997; *Social Forces*, 1984-1987.

Member: American Sociological Association; International Network for Social Network Analysis; Southern Sociological Society; American Association for the Advancement of Science.

Reviewer: Grant proposals for National Science Foundation; papers for *Administrative Science Quarterly*, *American Journal of Sociology*, *American Sociological Review*, *Current Anthropology*, *The Leadership Quarterly*, *Journal of Mathematical Sociology*, *Physical Review E*, *Rationality and Society*, *Social Forces*, *Social Networks*, *Social Science Research*, *Sociological Forum*, *Social Psychology Quarterly*, *Sociological Focus*, *Sociological Methodology*, *Sociological Methods and Research*, *The Sociological Quarterly*, *Sociological Theory*, *Urban Affairs Review*, and *Work and Occupations*.

Review Panel Chair: National Science Foundation Graduate Fellowship Panels – Anthropology, Sociology and Linguistics, 1996, 1997.

Review Panelist: National Science Foundation, HCC Pre-proposal Review Panel, 2009; National Science Foundation, CDI Pre-proposal Review Panel, 2008; National Science Foundation, H&SD Proposal Review Panel, 2006; National Science Foundation, IT Proposal Review Panel, 2004; National Science Foundation, ITR Pre-proposal Review Panel, 2000; National Science Foundation, KDI Panel, 1998; National Science Foundation, IGERT Initiative Panel, 1997; National Science Foundation, Sociology Program, 1994-1996; National Science Foundation Graduate Fellowship Panels for Anthropology, Sociology and Linguistics, 1990, 1992 - 1995.

Program Chair: Southern Sociological Society Meetings, 1999.

Conference Co-Organizer: Sunbelt XXXIV International Social Network Conference 2014; Sunbelt XXXI International Social Network Conference, 2011; Sunbelt XXVIII International Social Network Conference, 2008; Sunbelt XIX International Social Network Conference, 1999; First International Conference on Theory and Research in Group Processes, Krakow, Poland, 1996; Sunbelt XVI International Social Network Conference, 1996; Sixth Annual Conference on Theory and Research in Group Processes, 1993; Sunbelt XI International Social Network Conference, 1991.

Session Organizer: "Hierarchy, Network, and Influence," American Sociological Association, 2005; "Social Psychology and Rational Choice," Group Processes and Rational Choice Joint Mini-conference, 2001; "Interfaces between Mathematical Sociology and Quantitative Data Analysis," American Sociological Association 2001; "Social Networks", Southern Sociological Society 1997; "Research in Structural Sociology," Southern Sociological Society 1990; "Cognitive Science," American Sociological Association 1988; "Complex Organizations," Southern Sociological Society 1983

Session Panelist: Regular Session Group Processes 3, American Sociological Association Meetings, 2015; Next Steps in Mathematical Sociology, American Sociological Association Meetings, 2010;

Mathematical Sociology Today: Current State and Prospects, American Sociological Association, 2005; Professional Workshop on the Formation of a Mathematical Sociology Section, American Sociological Association, 1994; Panel on Networks and Rational Choice, Sixth Annual Theory and Research on Group Processes Conference, 1993; Panel on Artificial Social Intelligence, Conference on Computing for the Social Sciences, NCSA, University of Illinois, 1993