Invited plenary presentations

(1) 2015 Plenary Presentation “Statistical Analysis of Network Data” at the Annual Meeting of the German Statistical Society, Hamburg, Germany: Exponential-family random graph models with local dependence.

Invited presentations

(36) 2016 ICSA Applied Statistics Symposium, Atlanta, GA.

(35) 2016 Department of Mathematics, University of Houston:: The Ising model of network science: exponential-family random graph models with local dependence.

(34) 2015 Department of Applied and Computational Mathematics and Statistics, University of Notre Dame: Exponential-family random graph models with local dependence.

(33) 2015 Plenary Presentation “Statistical Analysis of Network Data” at the Annual Meeting of the German Statistical Society, Hamburg, Germany: Exponential-family random graph models with local dependence.


(31) 2015 UC Davis Statistical Sciences Symposium “Network Data: Information and Sciences,” University of California, Davis: Exponential-family random graph models with local dependence.

(30) 2015 Computational and Integrative Biomedical Research Center, Baylor College of Medicine: High-dimensional exponential-family models of networks with applications: challenges and opportunities.

(29) 2015 Department of Statistics, University of South Carolina: High-dimensional exponential-family random graph models.


(26) 2014 Conference of Texas Statisticians, Dallas, TX: Model-based clustering of large networks.


(24) 2014 Department of Biostatistics, University of Texas MD Anderson Cancer Center, Houston, Texas: A semiparametric Bayesian approach to networks-based stochastic epidemics with likelihood-ignorable incomplete-data mechanisms.


(22) 2013 Department of Statistics, London School of Economics and Political Science: Discrete exponential-family models of networks: Scaling up.

(21) 2013 School of Statistics and Department of Sociology, University of Minnesota: Second-generation exponential-family models of networks: Scaling up.

(20) 2013 Department of Statistics, Texas A&M University: Second-generation exponential-family models of networks: Scaling up.

(19) 2013 School of Mathematical & Statistical Sciences, Arizona State University: Second-generation exponential-family models of networks: Scaling up.

(18) 2013 Department of Statistics, Rice University: Second-generation exponential-family models of networks: Scaling up.

(17) 2013 Department of Statistics, West Virginia University: Second-generation exponential-family models of networks: Scaling up.

(16) 2013 Department of Statistics, Ohio State University: Second-generation exponential-family models of networks: Scaling up.

(15) 2013 University of Manchester, UK: Statistical Models and Methods for Social Networks.
(14) 2012 Department of Statistics and Centre for Complexity, University of Warwick, UK: Discrete exponential-family models of networks: local versus global dependence.

(13) 2012 Department of Biostatistics and Center for Statistical Sciences, Brown University, RI, USA: Latent structure models of networks with applications in the social sciences and health sciences.


(11) 2011 Methodology Center, Pennsylvania State University, PA, USA: Instability, sensitivity, and degeneracy of discrete exponential families.

(10) 2009 Summer Institute in Statistics and Modeling in Infectious Diseases, University of Washington, Seattle, WA, USA: Statistical inference for exponential random graph models with special emphasis on R package statnet.

(9) 2009 Center for Statistics and the Social Sciences, University of Washington, Seattle, WA, USA: Toward a solution of the near-degeneracy problem of exponential-family random graph models.


(7) 2006 Workshop on Simulation-based Statistical Inference for the Evolution of Social Networks, University of Groningen, NL:

(a) Network and behavior evolution: Introduction to likelihood-based estimation methods.

(b) Network and behavior evolution: goodness-of-fit.

(c) Random effects modeling for dynamics of networks and behavior.


(5) 2004 Center for Studies for Demography and Ecology, University of Washington, Seattle, WA: Digraph dynamics with heterogeneous vertices.
(4) 2004 Working group of Duncan Watts, Department of Sociology, Columbia University, NY, USA: Network dynamics with heterogeneous actors.


(2) 2003 Workshop: Social Network Analysis and its Applications, Indian Statistical Institute, Kolkata, India:
   (a) Simulation-based statistical inference for evolution of social networks.
   (b) Statistical modeling of network dynamics given panel data: goodness-of-fit.
   (c) Settings in social networks: A measurement model.

(1) 2003 Center for Statistics and the Social Sciences, University of Washington, Seattle, WA, USA: Settings in social networks.

Contributed presentations

(20) 2016 Joint Statistical Meetings, Chicago, IL, USA: Consistent Maximum Likelihood Estimation of Curved Exponential-Family Random Graph Models with Local Dependence and Growing Neighborhoods.

(19) 2016 International Sunbelt Social Network Conference, Newport Beach, CA, USA: Consistent estimation of multilevel exponential-family random graph models.


(15) 2014 International Sunbelt Social Network Conference, St. Pete Beach, FL, USA: A Central Limit Theorem for Exponential-Family Random Graph Models with Local Dependence.
(14) 2012 NIPS Workshop: Algorithmic and Statistical Approaches for Large Social Network Data Sets, Lake Tahoe, NV, USA: Learning stochastic processes governing the spread of infectious disease through contact networks given incomplete data.


(12) 2011 International Sunbelt Social Networks Conference, St. Pete Beach, FL, USA: Viable and non-viable models of cross-sectional and longitudinal network data.

(11) 2010: International Sunbelt Social Networks Conference, Riva del Garda, Italy:

(a) Instability and near-degeneracy of exponential-family random graph models.
(b) Disaster networks.

(10) 2009 Workshop: Statistical Methods for the Analysis of Network Data in Practice, University College Dublin, Ireland: Hierarchical extensions of exponentially-parameterized random graph models.

(9) 2009 International Sunbelt Social Network Conference, San Diego, CA, USA: Toward a solution of the near-degeneracy problem of exponential-family random graph models.

(8) 2008 International Sunbelt Social Networks Conference, St. Pete Beach, FL, USA: Discrete-time versus continuous-time Markov models.

(7) 2005 Annual Meeting of the Psychometric Society, Tilburg, NL: Random effects models for digraph panel data.

(6) 2005 International Multilevel Conference, Amsterdam, NL: Random effects models for digraph panel data.


(3) 2004 International Sunbelt Social Network Conference, Portoroz, Slovenia: Network dynamics with heterogeneous actors.
(2) 2003 International Sunbelt Social Networks Conference, Cancun, Mexico: Settings in social networks.

(1) 2002 Lilnet Conference, Lille, France: Settings in social networks.