

# Stephen Peter Borgatti

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## PERSONAL

Born 7 April 1956 in Brazil. U.S. citizen. Married, no children. Speak English, Spanish, and some Portuguese.

## ACADEMIC EMPLOYMENT

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|----------------|---|
| 2007 - present | Chellgren Endowed Chair and Professor of Management, Gatton College of Business and Economics, University of Kentucky |
| 2005 - 2007    | Professor (and Department Chair) of Organization Studies, Carroll School of Management, Boston College                |
| 1996 - 2004    | Assoc. Prof. of Organization Studies (tenured), Carroll School of Management, Boston College                          |
| 1995 - 1996    | Visiting Assoc. Prof. of Organization Studies, Carroll School of Management, Boston College                           |
| 1994 - 1996    | Associate Professor of Sociology (tenured), U. of South Carolina, Columbia.   |
| 1989 - 1994    | Assistant Professor of Sociology, University of South Carolina, Columbia.   |
| 1989 - 1989    | Visiting Lecturer, Dept. of Sociology, University of California, Riverside.   |

## BUSINESS EMPLOYMENT

- |             |   |
|-------------|---|
| 1982 - 1986 | Technical Product Manager, promoted from Management Scientist, <u>Management Decision Systems</u> . Waltham, MA. [now <u>Information Resources Inc.</u> ] |
| 1980 - 1982 | Senior Associate, promoted from Associate, Planning Economics Group. Woburn, MA.  |
| 1977 - 1978 | Promotion Manager, Mayatrac S.A. (Caterpillar dealer) Guatemala City, Guatemala   |

## EDUCATION

- |      |   |
|------|---|
| 1989 | Ph.D. Mathematical Social Science, University of California, Irvine. (Chair: Linton C. Freeman) |
| 1977 | B.A. Anthropology, Cornell University   |

## GRANTS

- 2013-2015. Rapid Ethnographic Assessment and Data Management Integration Toolkit (Phase II). Army Research Labs. STTR with Charles River Analytics. **\$226,000**. (PI)

- 2012. A Study of Career Mobility and Employee Turnover at a Knowledge-based Firm” *APJ Abdul Kalam India Studies Research Program*. University of Kentucky **\$74,997**. (co-PI)
- 2011-2012. Rapid Ethnographic Assessment and Data Management Integration Toolkit (Phase I). DARPA STTR with Charles River Analytics. **\$51,960**. (PI)
- 2011-2012. Cognitive and Relational Drivers of Organizational Action and Innovation. NSF. **\$485,553**. (co-PI)
- 2010-2012. Detection, Explanation, and Prediction of Emerging Network Developments (DEPEND). **\$350,000**. DARPA. Sub-contract through *Charles River Analytics*. (PI)
- 2006-2010. Integrated Adversarial Network Theory. **\$450,000**. *Defense Threat Reduction Agency*. (PI)
- 2005. Diversity and Social Capital: The Effect of Social Identity Salience and Network Structure on the Development of Negative Relationships. **\$2,000**. *Research Expense Grant from Boston College* (PI)
- 2005. Diversity and Social Capital: The Effect of Social Identity Salience and Network Structure on the Development of Negative Relationships. William T. Grant Foundation. **\$25,000**. To support dissertation research of Inga Carboni. (PI)
- 2004. Key Player Problem Phase III. Office of Naval Research. **\$77,658**. (Total of **\$310,864** for Key Player project) (PI)
- 2003. MKIDS: Dynamic Network Analysis under Uncertainty. **\$124,000** sub-contract from Carnegie-Mellon, recipients of MKIDS grant from National Science Foundation.
- 2003. Key Player Problem Phase II. Office of Naval Research. **\$125,306**.
- 2002. The Key Player Problem. Office of Naval Research. **\$107,900**. Grant #: N000140211032
- 2000. Networking the “Invisible Colleges”: Application of Network Theory to BioComplexity. *National Science Foundation*. **\$54,000** in total (collaborative grant shared with East Carolina U). Co-PIs: J.C. Johnson, J.Luczkovich, R.Christian
- 1993. Summer Institute for Research Methods in Cultural Anthropology. **\$210,274**. National Science Foundation. PI. U. of South Carolina.
- 1990. Graphical Network Analysis Techniques. **\$4,290**. Venture Fund, U. of South Carolina. PI
- 1989. Structural Predictors of Student Outcomes. **\$3,750**. DPSCOR Fund, U. of South Carolina. PI.

#### PEER-REVIEWED ARTICLES (Full text available at [www.steveborgatti.com](http://www.steveborgatti.com))

(Articles marked with \*\*\* had over 1000 citations as of 5/14. Those with \*\* had over 500 citations.)

1. Everett, MG and Borgatti, SP (2014). Networks Containing Negative Ties. *Social Networks* 38:111–120. [[pdf](#)]
2. Dhand, A, Harp, J, Borgatti, SP (2014). Leadership in Neurology: A Social Network Analysis. *Annals of Neurology*. DOI: 10.1002/ana.24089
3. Halgin, DS, Gopalakrishnan, G, and Borgatti, SP (accepted). Structure and Agency in Networked, Distributed Work: The Role of Work Engagement. *American Behavioral Scientist*.
4. Smith, J, Halgin, D, Kidwell, V, Labianca, G, Brass, D, Borgatti, SP. 2014. Power in politically charged networks. *Social Networks* 36:162– 176 [[pdf](#)] [[pub](#)]
5. Lopez-Kidwell, V., Grosser, T., Dineen, B., & Borgatti, S. (2013). What matters when: A multi-stage examination of factors contributing to job search effort. *Academy of Management Journal*. 56(6):1655-1678.

6. Rushmore, Julie; Caillaud, Damien; Matamba, Leopold; Stumpf, Rebecca; Borgatti, Steve; Altizer, Sonia. (2013). "Social network analysis of wild chimpanzees provides insights for predicting infectious disease risk." *Journal of Animal Ecology* 82(5): 976–986. Pre-publication manuscript
7. Kane, G., Alavi, M., Labianca, J., Borgatti, S. 2014. Integrating Social Networks and Information Systems: A Review and Framework for Research. *MIS Quarterly* 38(1): 275-304
8. Halgin, D.S., Gopakumar, M., Borgatti, S.P. (in press). Voluntary Turnover in a Distributed Work Setting: An Examination of the Role of Spatial Proximity and Role Similarity in Project Affiliation Networks. *Proceedings of the Computer-Supported Cooperative Work Conference (CSCW 2013), February 23-27, 2013.*
9. Halgin, D.S., & Borgatti, S.P. 2012. An Introduction to Personal Network Analysis and Tie Churn Statistics using E-NET. *Connections* 32(1): 37-48.  
*Reprinted and Translated as:* Halgin, D.S., & Borgatti, S.P. 2012. Introduzione alla personal network analysis e alle statistiche tie churn attraverso l'uso di E-NET. *Sociologia e Politiche Sociali*. Vol 2: 1-28. DOI: 10.3280/SP2012-002003
10. Everett, MG, and Borgatti, SP 2013. The dual-projection approach for two-mode networks. *Social Networks* 34(2):204-210. [[pdf](#)]
11. Everett, MG and Borgatti, SP. 2012. Categorical attribute based centrality: E–I and G–F centrality. *Social Networks* 34(4): 562–569
12. Li, J., Weeks, M., Clair, S., Borgatti, S. 2012. A Social Network Approach to Demonstrate the Diffusion and Change Process of Intervention from Peer Health Advocates to the Drug Using Community. *Substance Use & Misuse*, 47:474–490
13. Foster, P., Borgatti, S.P. and Jones, C. 2011. The contingent value of embeddedness: gatekeeper search in a local cultural market. *Poetics*. 39(4): 247-265.
14. Kane, G. and Borgatti, S.P. 2011. Centrality–IS proficiency alignment and workgroup performance. *MIS Quarterly*. 35(4):1063-1078
15. Borgatti, S.P. & Halgin, D.S. 2011. On Network Theory. *Organization Science*. September/October 2011 22(5):1168-1181
16. Sasovova, Z., Mehra, A., Borgatti, S.P., Schippers, 2010. M. Network Churn: The Effects of Self-Monitoring Personality on Brokerage Dynamics. *Administrative Science Quarterly* 55(4): 639-670
17. Everett, MG & Borgatti, SP 2010. Induced, endogenous and exogenous centrality. *Social Networks*. 32(4): 339-344
18. Jeffrey C. Johnson, Joseph J. Luczkovich, Stephen P. Borgatti, Tom A.B. Snijders. 2009. Using social network analysis tools in ecology: Markov process transition models applied to the seasonal trophic network dynamics of the Chesapeake Bay. *Ecological Modelling* 220 (2009) 3133-3140

19. Borgatti, S.P., Mehra, A., Brass, D. and Labianca, G. 2009. "Network Analysis in the Social Sciences." *Science*. Vol. 323. no. 5916, Feb 13, pp. 892 – 895. \*\*
20. Borgatti, S.P., Li, X. 2009. "On network analysis in a supply chain context." *Supply Chain Management*. 45(2):5-22.
21. Collins, S., Yassine, A., Borgatti, S. (2008) "Evaluating Product Development Systems Using Network Analysis," *Systems Engineering Journal*, 12(1): 55 – 68
22. Y. Chen, G. Paul, R. Cohen, S. Havlin, S. P. Borgatti, F. Liljeros, and H. E. Stanley, 2007. "Percolation Theory and Fragmentation Measures in Social Networks", *Physica A* 378, 11-19.
23. Y. Chen, G. Paul, R. Cohen, S. Havlin, S. P. Borgatti, F. Liljeros, and H. E. Stanley, 2007. "Percolation Theory Applied to Measures of Fragmentation in Social Networks," *Phys. Rev. E* 75, Issue 4 046107.
24. Borgatti, S.P, and Carboni, I. 2007. Measuring individual knowledge in organizations. *Organizational Research Methods* 10(3): 449-462.
25. DeJordy, Borgatti, Roussin and Halgin. 2007. Visualizing Proximity Data. *Field Methods* 19(3): 239-263.
26. Borgatti, S. P. and Everett, M.G. 2006. A graph-theoretic framework for classifying centrality measures. *Social Networks* 28(4): 466-484.
27. Borgatti, S.P., Carley, K., and Krackhardt, D. 2006. Robustness of Centrality Measures under Conditions of Imperfect Data. *Social Networks* 28: 124–136.
28. Borgatti, S.P. 2006. Identifying sets of key players in a network. *Computational, Mathematical and Organizational Theory*. 12(1): 21-34.
29. Borgatti, S.P. and Molina, J.L. 2005. Toward ethical guidelines for network research in organizations. *Social Networks*. 27(2): 107-117.
30. Everett, M.G., and Borgatti, S.P. 2005. Ego-Network Betweenness. *Social Networks*. 27(1): 31-38.
31. Borgatti, S.P. 2005. Centrality and network flow. *Social Networks*. 27(1): 55-71. \*\*
32. Hartwell, J.K, Barnett, R.C. and Borgatti, S. (2004) Medical managers' beliefs about reduced-hour physicians. *Journal of Health Organization and Management* 18(4): 262-278.
33. Borgatti, S.P. and Foster, P. 2003. The network paradigm in organizational research: A review and typology. *Journal of Management*. 29(6): 991-1013. \*\*\*
34. Borgatti, S.P. and Molina, J-L. 2003. Ethical and strategic issues in organizational network analysis. *Journal of Applied Behavioral Science*. 39(3): 337-349.
35. Stevenson, W. S., Bartunek, J. M., and Borgatti, S. P. 2003. Front and backstage processes of an organizational restructuring effort. *Journal of Applied Behavioral Science*. 39(3): 243-258.
36. Luczkovich, J.J., Borgatti, S.P., Johnson, J.C. and Everett, M.G. 2003. Defining and Measuring Trophic Role Similarity in Food Webs Using Regular Equivalence, *Journal of Theoretical Biology*. 220(3): 303-319.

37. Borgatti, S.P. and Cross, R. 2003. A Relational View of Organizational Learning. *Management Science*. 49(4): 432-445. \*\*\*
38. Nyblom, J., Borgatti, S., Roslakka, J., and Salo, M. 2003. Statistical analysis of network data: An application to diffusion of innovation. *Social Networks*. 25 (2003) 175–195.
39. Weeks, M.R., Clair, S., Borgatti, S.P., Radda, K., and Schensul, J.J. 2002. Social networks of drug users in high risk sites: Finding the connections. *AIDS and Behavior* 6(2): 193-206.
40. Cross, R., Borgatti, S.P. & Parker, A., 2002. Making Invisible Work Visible: Using Social Network Analysis to Support Strategic Collaboration. *California Management Review*. 44(2): 25-46.\*\*
41. Borgatti, S.P. 2002. A Statistical Method for Comparing Aggregate Data Across *a priori* Groups. *Field Methods* 14(1): 88-107.
42. Cross, R., Parker, A., Prusak, L. & Borgatti, S.P. 2001. Knowing What We Know: Supporting Knowledge Creation and Sharing in Social Networks. *Organizational Dynamics* 30(2): 100-120. \*\*
43. Cross, R., Borgatti, S.P., & Parker, A. 2001. Beyond Answers: Dimensions of the Advice Network. *Social Networks* 23(3): 215-235.
44. Johnson, J., Borgatti, SP, Luczkovich, J. & Everett, M.G. 2001. Network Role Analysis in the Study of Food Webs: An application of regular role coloration. *Journal of Social Structure*. 2(3): 1-15.
45. Borgatti, S.P. and Everett, M.G. 1999. Models of Core/Periphery Structures. *Social Networks* 21: 375-395. \*\*
46. Everett, M.G. and Borgatti, S.P. 1999. Peripheries of Cohesive Subsets. *Social Networks* 21: 397-407.
47. Everett, M. G., & Borgatti, S. P. 1999. The centrality of groups and classes. *Journal of Mathematical Sociology*. 23(3): 181-201.
48. Jones, C., Hesterley, W. S., Fladmoe-Lindquist, K., & Borgatti, S. P. 1998. Professional service constellations: How strategies and capabilities influence collaborative stability and change. *Organization Science*, 9(3): 396-410.
49. Smith, J. J., & Borgatti, S. P. 1998. Salience counts and so does accuracy: Correcting and updating a measure for free-list-item salience. *Journal of Linguistic Anthropology*, 7(2): 208-209.
50. Jones, C., Hesterly, W. S., & Borgatti, S. P. 1997. A general theory of network governance: Exchange conditions and social mechanisms. *Academy of Management Review*, 22(4): 911-945. \*\*\*
51. Borgatti, S. P., & Everett, M. G. 1997. Network analysis of 2-mode data. *Social Networks*, 19(3): 243-269.
52. Everett, M.G., & Borgatti, S. P. 1996. Exact colorations of graphs and digraphs. *Social Networks*, 18(4): 319-331.

53. Everett, M.G., & Borgatti, S. P. 1994. Regular equivalence: General theory. *Journal of Mathematical Sociology*, 19(1): 29-52.
54. White, D. R., & Borgatti, S. P. 1994. Betweenness centrality measures for directed graphs. *Social Networks*, 16(4): 335-346.
55. Borgatti, S. P. 1994. Cultural domain analysis. *Journal of Quantitative Anthropology*, 4: 261-278.
56. Borgatti, S. P., & Everett, M. G. 1994. Ecological and perfect colorings. *Social Networks*, 16: 43-55.
57. Borgatti, S. P., & Everett, M. G. 1993. Two algorithms for computing regular equivalence. *Social Networks*, 15: 361-376.
58. Everett, M. G., & Borgatti, S. P. 1993. An extension of regular colouring of graphs to digraphs, networks and hypergraphs. *Social Networks*, 15: 237-254.
59. Stanton, B., Aronson, R., Borgatti, S. P., Galbraith, J., Feigelman, S., and the AIDS Youth Research Team. 1993. Urban adolescent high-risk sexual behavior: Corroboration of focus group discussions through pile-sorting. *AIDS Education and Prevention*, 5(2): 162-174.
60. Borgatti, S. P., & Everett, M. G. 1992. Graph colorings and power in experimental exchange networks. *Social Networks*, 14: 287-308.
61. Borgatti, S. P., & Everett, M. G. 1992. Notions of position in social network analysis. *Sociological Methodology*, 22: 1-35.
62. Borgatti, S. P., & Everett, M. G. 1992. Regular blockmodels of multiway, multimode matrices. *Social Networks*, 14: 91-120.
63. Borgatti, S. P. 1992. Special issue on blockmodels: Introduction. *Social Networks*, 14: 1-3.
64. Freeman, L. C., Borgatti, S. P., & White, D. R. 1991. Centrality in valued graphs: A measure of betweenness based on network flow. *Social Networks*, 13(2): 141-154.
65. Everett, M. G., & Borgatti, S. P. 1991. Role colouring a graph. *Mathematical Social Sciences*, 21: 183-188.
66. Borgatti, S. P., Everett, M. G., & Shirey, P. 1990. LS sets, lambda sets and other cohesive subsets. *Social Networks*, 12: 337-357.
67. Everett, M. G., & Borgatti, S. P. 1990. A note on juncture homomorphisms. *Social Networks*, 12:385-389.
68. Everett, M. G., & Borgatti, S. P. 1990. A testing example for positional analysis techniques. *Social Networks*, 12: 253-260.
69. Everett, M. G., Boyd, J. P., & Borgatti, S. P. 1990. Ego-centered and local roles: A graph theoretic approach. *Journal of Mathematical Sociology*, 15(3-4): 163-172.
70. Borgatti, S. P., Boyd, J. P., & Everett, M. G. 1989. Iterated roles: Mathematics and application. *Social Networks*, 11: 159-172.

71. Borgatti, S. P., & Everett, M. G. 1989. The class of all regular equivalences: Algebraic structure and computation. *Social Networks*, 11: 65-88.
72. Borgatti, S. P. 1988. A comment on Doreian's regular equivalence in symmetric structures. *Social Networks*, 10: 265-271.
73. Everett, M. G., & Borgatti, S. P. 1988. Calculating role similarities: An algorithm that helps determine the orbits of a graph. *Social Networks*, 10: 77-91.

#### CHAPTERS (some are formally peer-reviewed)

74. Borgatti, S.P., Brass, D.J., Halgin, D.S. 2014. Social network research: Confusions, criticisms, and controversies. In Daniel J. Brass, Giuseppe (Joe) Labianca, Ajay Mehra, Daniel S. Halgin, and Stephen P. Borgatti (Eds.) *Contemporary Perspectives on Organizational Social Networks*. Research in the Sociology of Organizations. Emerald.
75. Obstfeld, D., Borgatti, S., & Davis, J. 2014. Brokerage as a process: Decoupling third party action from social network structure. In Daniel J. Brass, Giuseppe (Joe) Labianca, Ajay Mehra, Daniel S. Halgin, and Stephen P. Borgatti (Eds.) *Contemporary Perspectives on Organizational Social Networks*. Research in the Sociology of Organizations. Emerald.
76. Mehra, A., Borgatti, S.P., Soltis, S., Floyd, T., Ofem, B., Halgin, D.S., & Kidwell-Lopez, V. 2014. Imaginary worlds: Using visual network scales to capture perceptions of social networks. In Daniel J. Brass, Giuseppe (Joe) Labianca, Ajay Mehra, Daniel S. Halgin, and Stephen P. Borgatti (Eds.) *Contemporary Perspectives on Organizational Social Networks*. Research in the Sociology of Organizations. Emerald.
77. Borgatti, SP and Grosser, T. (forthcoming) Structural Equivalence: Meaning and Measures. *The International Encyclopedia of Social and Behavioral Sciences, 2nd Edition*. Elsevier.
78. Grosser, T, and Borgatti, SP (forthcoming). Network Theory/Social Network Analysis; *Theory in Social and Cultural Anthropology*; R. Jon McGee, Richard L. Warms
79. Ofem, B., Floyd, T., Borgatti, SP (forthcoming). The Social Network Approach to Understanding Organizational Phenomena. In D.D. Caulkins, A. Jordan (Eds.), *Companion to Organizational Anthropology*. Blackwell.
80. Borgatti, S.P. and Halgin, D. 2012. Mapping Culture: Elicitation Methods for Cultural Domain Analysis - Revised. in J. Schensul & M. LeCompte (Eds). *Ethnographer's Toolkit, Second Edition, Volume 3*. Walnut Creek: Altamira Press.
81. Borgatti, S.P. and Halgin, D. 2011. "Consensus Analysis". In Kronenfeld, D. and DeMunck, V. (eds) In *Blackwell's Companion to Cognitive Anthropology*. Blackwell.
82. Borgatti, S.P. and Kidwell, V. 2011. "Network Theory". In Carrington, P. and Scott, J. (eds) In *The Sage Handbook of Social Network Analysis*. Sage Publications
83. Borgatti, S.P. and Halgin, D. 2011. "Analyzing Affiliation Networks". In Carrington, P. and Scott, J. (eds) In *The Sage Handbook of Social Network Analysis*. Sage Publications
84. Mehra, A., Borgatti, S.P., Brass, D., Labianca, G. 2010. "The Social Network Perspective". In

- Stanley D. Brunn (Ed.) *Engineering Earth: The Impacts of Megaengineering Projects*. Dordrecht, The Netherlands: Springer Science+Business Media
85. Borgatti, S. P., & Ofem, B. 2010. Overview: Social network theory and analysis. In A. J. Daly (Ed.), *The ties of change: Social network theory and application in education*. (pp. 17-30). Cambridge, MA: Harvard Press
  86. Cross, R. & Borgatti, S.P. (2004) *The Ties That Share: Relational Characteristics that Facilitate Information Seeking*. In M.H. Huysman and V. Wulf (Eds) *Social Capital and IT*. MIT Press: Cambridge.
  87. Everett, M.G. and Borgatti, S.P. 2005. Extending centrality. Chapter in Carrington, P., Scott, J., Wasserman, S (Eds.) *Models and Methods in Social Network Analysis*. Cambridge University Press: Cambridge.
  88. Borgatti, S.P. 2003. The Key Player Problem. Pp. 241-252 in *Dynamic Social Network Modeling and Analysis: Workshop Summary and Papers*, R. Breiger, K. Carley, & P. Pattison, (Eds.), National Academy of Sciences Press.
  89. Everett, M.G. and Borgatti, S.P. 2002. Computing regular equivalence: Practical and Theoretical Issues. *Metodoloski zvezki*, Andrej Mrvar and Anuska Ferliigoj (Editors) 17, Ljubljana: FDV, 2002 pages 31-42
  90. Borgatti, S. P. 1999. Elicitation techniques for cultural domain analysis. In J. Schensul & M. LeCompte (Eds.), *The Ethnographer's toolkit*, vol. 3. Walnut Creek: Altamira Press.
  91. Borgatti, S. P. 1998. The methods. In V. C. De Munck & E. J. Sobo (Eds.), *Using methods in the field: A practical introduction and casebook*. Walnut Creek: Altamira Press.
  92. Handwerker, W. P., & Borgatti, S. P. 1998. Reasoning with numbers. In H. R. Bernard, (Ed.), *Handbook of Methods in Cultural Anthropology*. Walnut Creek: Altamira Press.
  93. Everett, M. G., & Borgatti, S. P. 1997. The regular coloration of graphs. In C. Mitchell (Ed.), *Applications of combinatorial mathematics*: 49-58. Oxford: Oxford University Press.

## BOOKS

94. Borgatti, SP, Everett, MG & Johnson, JC. 2013. *Analyzing Social Networks*. Sage Publications, UK

## OTHER PUBLICATIONS

95. Borgatti, SP 2014. Review of FLAME software. *Field Methods*. DOI: 10.1177/1525822X13506976
96. Borgatti, SP and Grosser, T. (forthcoming) *Structural Equivalence: Meaning and Measures*. *The International Encyclopedia of Social and Behavioral Sciences*, 2nd Edition. Elsevier



97. S Borgatti, S Kobourov, O Kohlbacher, P Mutzel, P Healy, T Dwyer, U Brandes. 2008. Graph drawing with applications to bioinformatics and social sciences.. Schloss Dagstuhl seminar 8191
98. Grosser, T.J., & Borgatti, S.P. (forthcoming). Network theory/social network analysis. In J.R. McGee and R.L Warms (Eds.), *Theory in Social and Cultural Anthropology: An Encyclopedia*. Thousand Oaks, CA: Sage.
99. Borgatti, S.P., Bernard, HR, Pelto, P, Ryan, G, DeJordy, R. 2012. The Camp '92 Dataset. *Connections* 32(1): 51-53.
100. Soltis, SM, Sterling, CM, Borgatti, SP, Ferrier, WJ. 2010. College football recruiting: a test of factor market competition theory. *Academy of Management Annual Meeting Proceedings*. P1-6, ; DOI: 10.5465/AMBPP.2010.54501014
101. Huang, Z., Borgatti, SP. 2006. Organizational initial categorization: imprinting and the mitigation of imprinting. *Academy of Management Annual Meeting Proceedings*. p1-6; DOI: 10.5465/AMBPP.2006.27176426
102. Cross, R.L., Parker, A. and Borgatti, S.P. 2000. A birds-eye view: Using social network analysis to improve knowledge creation and sharing. *Knowledge Directions*. 2(1): 48-61.
103. Snijders, T.A.B. and Borgatti, S.P. 1999. Non-parametric standard errors and tests for network statistics. *Connections*, 22(2): 61-70.
104. Borgatti, M. G., Jones, C., and Everett, M. G. 1998. Network measures of social capital. *Connections*. 21(2): 27-36.
105. Everett, M. G., & Borgatti, S. P. 1998. Analyzing clique overlap. *Connections*, 21(1): 49-61.
106. Borgatti, S. P. 1997. Structural holes: Unpacking Burt's redundancy measures. *Connections*, 20(1): 35-38.
107. Borgatti, S. P. & Jones, C. 1996. A measure of past collaboration. *Connections*, 19(1): 58-60.
108. Borgatti, S. P. 1995. Treating 2-Mode data as a network. *Connections*, 18(2): 53-55.
109. Borgatti, S. P. 1995. Centrality and AIDS. *Connections*, 18(1): 112-114.
110. Borgatti, S. P. 1994. Using MDS to infer relative status from dominance matrices. *Connections* 17(2): 75-77.
111. Borgatti, S. P. 1994. How to explain hierarchical clustering. *Connections*, 17(2): 78-80.
112. Borgatti, S. P. and Feld S. L. 1994. How to test the strength of weak ties theory. *Connections* 17(1): 45-46
113. Borgatti, S. P. 1994. A quorum of graph theoretic concepts. *Connections* 17(1): 47-49.
114. Borgatti, S. P., Everett, M. G., and Freeman, L. C. 1992. Ucinet IV: Network analysis software. *Connections* 15:12-15.
115. Borgatti, S. P. 1992. ANTHROPAC 4.00 methods guide. Columbia: Analytic Technologies.
116. Borgatti, S. P. 1992. ANTHROPAC 4.00 reference manual. Columbia: Analytic Technologies.

117. Borgatti, S. P. 1992. ANTHROPAC 4.00 user's guide. Columbia: Analytic Technologies.
118. Borgatti, S. P., Everett, M.G., and Freeman, L. C. 1992. UCINET IV version 1.00 reference manual. Columbia: Analytic Technologies.
119. Borgatti, S. P., Everett, M.G., and Freeman, L. C. 1992. UCINET IV version 1.00 user's guide. Columbia: Analytic Technologies.
120. Borgatti, S. P. 1990. Using ANTHROPAC to investigate a cultural domain: Part 3 CAM Journal 2(3):10-10.
121. Borgatti, S. P. 1990. Using ANTHROPAC to investigate a cultural domain: Part II. CAM Journal 2(1):8-8.
122. Everett, M. G., and Borgatti. S. P. 1990. Any colour you like it. Connections 13:19-22.
123. Borgatti, S. P. 1989 Using ANTHROPAC to investigate a cultural domain. CAM Journal 1(2):11.
124. Borgatti, S. P. 1989. Regular equivalence in graphs, hypergraphs, and matrices. Doctoral Dissertation, Univ. of California, Irvine. Ann Arbor: UMI.
125. Borgatti, S. P. 1988 "NETPAC version 1." Connections 11:44-50.

#### **EDITED VOLUMES** (peer-reviewed only)

Borgatti, S. P. 1992. (ed.) Special issue on blockmodeling. *Social Networks* 14.

Daniel J. Brass, Giuseppe (Joe) Labianca, Ajay Mehra, Daniel S. Halgin, and Stephen P. Borgatti (Eds.) 2014. *Contemporary Perspectives on Organizational Social Networks*. Research in the Sociology of Organizations. Emerald.

#### **COMPUTER SOFTWARE**

Borgatti, S. P., 2006. *E-NET Software for the Analysis of Ego-Network Data*. Needham, MA: Analytic Technologies

Borgatti, S. P., 2002. *Netdraw: Network Visualization Software*. Harvard: Analytic Technologies.

Borgatti, S. P., Everett, M. G., Freeman, L. C. 1999. *Ucinet 5.0 for Windows*. Natick: Analytic Technologies.

Borgatti, S. P. 1992. *ANTHROPAC 4.0*. Columbia: Analytic Technologies.

Borgatti, S. P., Everett, M. G., and Freeman, L.C. 1992. *UCINET IV version 1.00*. Columbia: Analytic Technologies.

Borgatti, S. P., Everett, M. G., and Freeman, L. C. 1991. *UCINET IV test version*. Columbia: Analytic Technologies.

Borgatti, S. P. 1988, ANTHROPAC 1.0. Experimental designs, multivariate statistics.

Borgatti, S. P. 1988, NETPAC 1.0. Network Analysis.

Borgatti, S. P. 1985, *Analytic language (AL)*. General purpose data manipulation package.

**INVITED PRESENTATIONS** (does not include ordinary papers accepted at conferences)

Borgatti, S.P. Three perspectives on centrality. Search and Diffusion on Social Networks Workshop, Institute for the Social Sciences, Cornell University. (10/06)

Borgatti, S.P. Applications of SNA to fighting terrorism. Office of the Assistant Secretary of Defense for Special Operations & Low-Intensity Conflict, SOLIC (1/06)

Borgatti, S.P. 2005. How would networks contribute to March's organizational theory? Knowledge Management Panel, *Organization Science Winter Conference*, Steamboat Springs, CO.

Borgatti, S.P. Centrality and network flows. *Intra-Organizational Networks (ION) Conference*, Emory University 10/05

Borgatti, S.P. Criticisms of social network research. *Intra-Organizational Networks (ION) Conference*, Emory University 10/05

Borgatti, S.P. 2005. Social network analysis: Overview of the field today. Keynote address, *National Academy of Sciences* (9/05)

Borgatti, S.P. 2005. Extending Centrality. *Organization Science Senior Editors' Conference*. *Carnegie Mellon University* (9/05)

Borgatti, S.P. 2005. Trends in social network Analysis. Keynote address. *Oxford Conference on Social Networks*. **Oxford University** (7/05)

Borgatti, S.P. 2005. The social network frontier. *Boston University Physics Dept Colloquium Series*. (7/05)

Borgatti, S.P. 2005. A social network perspective on knowledge management. *Trento University visiting speaker series* (5/05)

Borgatti, S.P. 2005. Network analysis and the fight against terrorism. Breakfast address to *Australian cabinet ministers and their staffs*. Canberra, Australia (3/05)

Borgatti, S.P. 2005. Social network research today. Keynote address, *CSIRO* (Australia's national science agency) Canberra, Australia (3/05)

Borgatti, S.P. 2004. Statistical modeling of social networks. *Bentley College*. (0/04)

Borgatti, S.P. 2003. Anthropological consensus analysis. *Colloquium series*, *Brandeis Heller School* (11/03)

Borgatti, S.P. 2003. The key player problem. *IEEE-KIMAS Conference*. Cambridge, October.

Borgatti, S.P. 2003. On identifying key players in the context of network flows. *Institute for Mathematics and Applications*, Minneapolis, November.

Borgatti, S.P. 2003. Whaddya know? Studying knowledge in organizations, *Academy of Management Conference*, Seattle, August.

Borgatti, S.P. 2002. The key player problem. *National Academy of Sciences conference on networks*. Washington D.C., November, 2002.

Borgatti, S.P. 2002. Recent Advances in Network Analysis. *Knowledge Management Conference*. **IBM**

**Institute for Knowledge-based Organizations (IKO)**, September, 2002.

Borgatti, S.P. 2002. Who to immunize: The key player problem. *CIRA colloquium series*. **Yale University**, September, 2002.

Borgatti, S.P. 2002. Measuring Knowledge & Consensus: With implications for the study of communities of practice. *MIT OSG seminar series*. **M.I.T.**, September, 2002.

Borgatti, S.P. 2002. Identifying key players in a network. *APTIMA Colloquium Series*. **Aptima Associates**, July, 2002.

Borgatti, S.P. 2002. Results of AOM member survey. *Presentation to Academy of Management Executive Board*. Boston College, June, 2002.

Borgatti, S.P. 2002. Toward a Theory of Communities of Practice. *Colloquium Series on Decision Modeling*. **Carnegie Mellon University**. Denver, March, 2002.

Borgatti, S.P. 2002. Attacking terrorist networks. *Dept. of Defense "MacDuff" conference on terrorist networks*. Washington, DC. March, 2002.

Borgatti, S.P. 2002. Modeling network flows: Implications for understanding terrorist networks. *Harvard Interfaculty Initiative on Complexity and Social Networks*. **Harvard University**, March, 2002.

Cross, R.L. & Borgatti, S.P. 2001. A Relational View of Information Seeking and Learning in Social Networks. *Conference on Organizational Learning*, **Carnegie Mellon University**, Sept, 2001.

Borgatti, S.P. 2001. Factors affecting the shape and performance of social networks. **RAND Corporation**. Santa Monica, CA. July, 2001.

Borgatti, S.P., Luczkovich, J., Christian, R. & Johnson, J. 2001. Social and ecological network analysis. Keynote address at the *NSF Biocomplexity Conference at Duke Marine Labs*, NC. March, 2001.

Borgatti, S.P., Dow, M., Stern, G., Everett, M.G. 2001. Using social network analysis to diagnose organizational issues. *Talking People Conference*, Glasgow, Scotland. January, 2001

Borgatti, S.P., Everett, M.G., Johnson, J.C., Boster, J.S., Palinkas, L., Schenkel, A., Tieglund, R., Cross, R.L. 2000. Implications of Core/Periphery Structures. *Festschrift for Linton C. Freeman, International Social Networks Conference*, April, 2000. Vancouver, CA.

Borgatti, S.P. 1999. "The Measurement of Social Capital." Invited presentation given at **Penn State**, cosponsored by the Dept. of Sociology and the Dept. of Management. 4/99. State College, PA.

Borgatti, S.P. 1998. "Of Grapes, Flying Winemakers, and Parkerization: A few notes on the wine industry." Plenary address, *Sunbelt International Social Networks Conference*. Barcelona, Spain 5/98.

Borgatti, S.P. 1998. "Network Analysis, Organizations, and Complexity Theory." Keynote address, *Sunbreak Conference on Organizations and Complexity*, 2/98, New Mexico

## PROFESSIONAL ACTIVITIES

2009-present	Editorial Board, <i>Administrative Science Quarterly</i>
2009-present	Assoc. Editor, <i>Journal of Supply Chain Management</i>
2004-2010	Senior Editor, <i>Organization Science</i>

- 2004-2004 Editorial Board, *Organization Science*
- 2002-present Editorial Board, *Journal of Management*
- 2002-present Editorial Board, *Sociological Methodology*
- 2000-present Editorial Board, *Field Methods*
- 2000-present Board of Directors, INSNA
- 1998-present Associate Editor, *Journal of Computational and Mathematical Organizational Theory*
- 1997-present Member, *ad hoc* review panel for *Academy of Management Journal*
- 2000-2004 Associate Editor, *Journal of Social Structure*
- 1997-2000 Editor, *CONNECTIONS*
- 1996 Member, Academy of Management task force on handling the death of members
- 1993-1999 President, International Network for Social Network Analysis (INSNA)
- 1993-1999 Publisher, *CONNECTIONS*, official journal of INSNA
- 1993-1996 Director, NSF Summer Institute for Research Methods in Cultural Anthropology
- 1992-1998 Publisher, *World Cultures Journal*
- 1988-present Founding co-editor, *Cultural Anthropology Methods Journal (CAM)*, now *Field Methods*
- 1992 Editor, Special Issue of *Social Networks* on Blockmodeling.
- 1989-1991 Treasurer, Society for Scientific Anthropology

## COURSES TAUGHT

### *Ph.D. Level*

Qualitative Research Methods  
 Social Network Analysis  
 Advanced Seminar in Network Analysis  
 Crit. Survey of Data Collection Methods  
 Cultural Analysis  
 Seminar in Research Methods  
 Quantitative Methods  
 Measurement & Scaling  
 Loglinear Models  
 Multivariate Statistics  
 Managing People and Organizations

### *MBA Level*

Organizational Behavior  
 Special topics in Org Beh:  
 Social Networks

### *Undergraduate Level*

Organizational Theory  
 Introduction to Organizational Behavior  
 Interpersonal Communication in Orgs.  
 Personnel Research  
 Introduction to Sociology  
 Social Attitudes & Beliefs  
 Social Networks  
 Introduction to Statistics  
 Groups at Work

## Ph.D. Students

- Served as Chair:
  - Theresa Floyd (2014)
  - Brandon Ofem (2014) (co-chair)
  - Dan Halgin (2009. Asst. Prof., Univ. of Kentucky)
  - Inga Carboni (2008. Assoc. Prof., William & Mary Univ.)
  - Alex Huang (2007. Asst. Prof., Hong Kong Univ. of Science and Technology)
  - Pacey Foster (2006. Assoc. Prof., Univ. of Mass., Boston)
  - Ray Luechtefeld (2002. Asst. Prof. at Missouri University of Science & Technology)
- Served as Committee Member:
  - Travis Grosser (2013. Asst. Prof., Univ. of Conn., Dept. of Management)
  - Scott Soltis (2013. Asst. Prof., U. of Missouri-St. Louis, Dept. of Management)
  - Virginie Kidwell (2012. Asst. Prof. Univ. of Texas at Dallas, Dept. of Management)
  - Joshua Marineau (2012. Asst. Prof., North Dakota State Univ., Dept. of Management & Marketing)
  - Rich Dejordy (2010. Asst. Prof., Northeastern Univ., Dept. of Management)
  - Jegoo Lee (2010. Asst. Prof., Univ. of South Florida)
  - Stephen Bird (2009. Asst. Prof., Clarke Univ., Dept. of Political Science)
  - Chris Roussin (2009. Asst. Prof., Suffolk Univ.)
  - Jennifer Hartwell (2003. United States International Univ.in Nairobi, Kenya)
  - Myeong-Gu Seo (2003. Assoc. Prof. at Univ. of Maryland)

## Awards

- 2008 Simmel Award. International Network for Social Network Analysis. Highest award given in the field.
- 2005: Received the award for Outstanding Contribution in a Computer or Teaching Application American Sociological Association.

## Research Interests

Social networks, knowledge management, social cognition, structure, cultural domain analysis, formal role theory, scaling and measurement, computation