

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

- | | |
|----------------|---|
| 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/publications.htm)

*** over 1000 citations as of 8/13. **over 500 citations as of 8/13

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, Peltó, 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