Curriculum Vitæ

MICHAEL T. HANNAN

Graduate School of Business Phone +1.650.723.1511
Stanford University Fax +1.650.725.7979
Stanford CA 94305−7298 hannan@stanford.edu
www.stanford.edu/∽hannan

Education:

A.B. Sociology, College of the Holy Cross, Worcester Mass., 1965. M.A. Sociology, University of North Carolina, Chapel Hill, 1968. Ph.D. Sociology, University of North Carolina, Chapel Hill, 1970.

Positions:

StrataCom Professor of Management, Graduate School of Business, Stanford University, 1999–

Professor of Sociology, Stanford University, 1991-

Professor of Organisation Theory (part time), Durham Business School, Durham University (UK), 2005–

Professor of Organizational Behavior and Human Resources, Graduate School of Business, Stanford University, 1991–99.

Scarborough Professor of Social Sciences, Cornell University, 1986–91.

Professor of Sociology, Cornell University, 1984–86.

Assistant Professor to Professor of Sociology, Stanford University, 1969–84.

Director, Organizations Study Section, Institute for Mathematical Studies in the Social Sciences, Stanford University, 1980–83.

Visiting Scientist, Max–Planck–Institut für Bildungsforschung, Berlin, 1987–88.

Research Scientist, International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria, 1981–82.

Honors:

Award for the Outstanding Publication in Mathematical Sociology, Am. Sociol. Assoc., 2003.

Max Weber Award, Am. Sociol. Assoc., 2002.

Accenture Award, California Management Rev., 2002.

Fellow, Netherlands Institute of Advanced Study, 2000-01.

Stanford Graduate School of Business Trust Faculty Fellow, 1997–98, 2001–02, 2004–05, 2009–10.

Fellow, American Academy of Arts and Sciences, elected 1992.

Max Weber Award, Am. Sociol. Assoc., 1992.

Distinguished Scholar Award, Organization and Management Theory Division, Academy of Management, 1991.

J. Simon Guggenheim Memorial Foundation Fellowship, 1987–88.

Fellow, Center for Advanced Study in the Behavioral Sciences, 1977–78.

Publications

Books

Logics of organization theory: audiences, codes, and ecologies. (with L. Pólos and G. R. Carroll) Princeton University Press, 2007.

The demography of corporations and industries. (with G. R. Carroll) Princeton University Press, 2000.

Recipient of the Max Weber Award from the Am. Sociol. Assoc.

Chapter 10 reprinted in *The sociology of organizations: classic, contemporary, and critical readings.* M. Handel (ed.) Sage, 2002.

Chapter 2 reprinted in *The sociology of organizations: an anthology of contemporary theory and research.* A. Wharton (ed.) Roxbury, 2007.

Dynamics of organizational populations: density, legitimation, and competition. (with G. R. Carroll) Oxford Univ. Press, 1992.

Aggregation and disaggregation in the social sciences. Revised ed. Lexington, Mass.: Lexington, 1991.

Organizational ecology. (with J. Freeman) Harvard Univ. Press, 1989.

Recipient of the Max Weber Award from the Am. Sociol. Assoc.

Italian translation: *Ecological organizzativa: per un teoria evoluzionista dell' organizzazione.* (with an introduction by A. Lomi) Milan: Etaslibri, 1993.

Social dynamics: models and methods. (with N. B. Tuma) Orlando, Fla.: Academic Press, 1984.

Aggregation and disaggregation in sociology. Lexington, Mass.: Lexington, 1971.

Monographs

- Competition, deregulation, and the fortunes of credit unions in New York. (with D. N. Barron and E. West) Madison, Wis.: Filene Research Institute, 1995.
- *Dynamics of populations of credit unions in New York.* (with E. West and D. N. Barron) Madison, Wis.: Filene Research Institute, 1994.
- Final report of the Seattle–Denver Income Maintenance Experiment. Volume 1, Part 5: Marital Stability. (with L. P. Groeneveld and N. B. Tuma) Washington: Government Printing Office, 1983.
- *Impacts of income maintenance on the making and breaking of marital unions.* (with N. B. Tuma and L. P. Groeneveld) Menlo Park, Cal.: Stanford Research Institute, 1976.
- Problems of aggregation and disaggregation in sociological research. IRSS Methodology Monograph Series. Univ. of North Carolina, Chapel Hill: Institute for Research in the Social Sciences, 1970.

Edited Books

- Organizations in industry: strategy, structure, and selection. (edited with G.R. Carroll) Oxford Univ. Press, 1995.
- *National development and the world system: educational, economic, and politi-cal change, 1950–1970.* (edited with J. W. Meyer) Univ. of Chicago Press, 1979.
- Organizations and environments. (edited with M. Meyer, J. Freeman, J. W. Meyer, W. Ouchi, J. Pfeffer, and W. R. Scott) San Francisco: Jossey–Bass, 1978.

Articles and Book Chapters

- Founding conditions, learning, and organizational life chances: age-dependence revisited. (with G. Le Mens and L. Pólos) *Admin. Sci. Quart.* 56 (2011) 95–126.
- Categorical challenge and audience response: modernism and tradition in Italian wine production. (with G. Negro and H. Rao) *Org. Sci.* (2011) in press (DOI:10.1287/orsc.1100.0619).
- Typecasting, legitimation, and form emergence: a formal theory. (with G. Hsu and L. Pólos) *Sociol. Theory* 29 (2011) 97–123.
- The effects of category spanning depend on contrast. (with B. Kovács) *Res. Sociol. Org.* 31 (2010) 175–201.

- Categorical contrast and audience appeal: niche width and critical success in winemaking. (with G. Negro and H. Rao) *Indus. and Corp. Change* 19 (2010) 1397–1425.
- Modalities in sociological arguments. (with L. Pólos and G. Hsu) *J. Math. Sociol.* 34 (2010) 201–38.
- Partiality of memberships in categories and audiences. *Ann. Rev. Sociol.* 36 (2010) 159–81.
- Multiple category memberships in markets: an integrated theory and two empirical tests. (with G. Hsu and Ö. Koçak) *Am. Sociol. Rev.* 74 (2009) 150–69.
- In the company of women: gender inequality and the logic of bureaucracy in start-up firms. (with J. N. Baron, G. Hsu, and Ö. Koçak) *Work and Occupations* 34 (2007) 35–66.
- Organizational identities and the hazard of change. (with J. N. Baron, G. Hsu, and Ö. Koçak) *Indus. and Corp. Change* 15 (2006) 755–84.
- Azonosságés Formák. [Identities and forms] (with L. Pólos and G. R. Carroll) *Mag-var Filozófiai Szemle* (2006).
- Identities, genres, and organizational forms. (with G. Hsu) $Org.\ Sci.\ 16\ (2005)\ 474-90.$
- Ecologies of organizations: Diversity and identity. *J. Econ. Perspectives* 19 (2005) 51–70.
- The economic sociology of organizational entrepreneurship: lessons from the Stanford Project on Emerging Companies. (with J. N. Baron) Pp. 168–203 in *The economic sociology of capitalism*. V. Nee and R. Swedberg (eds.) New York: Russell Sage, 2005.
- A logic for theories in flux: a model-theoretic approach. (with L. Pólos) *Logique et Analyse* 47 (2004) 85–121.
- The evolution of organizational inertia. (with L. Pólos and G. R. Carroll) *Indus. and Corp. Change* 13 (2004) 213–42.
- The fog of change: opacity and asperity in organizations. (with L. Pólos and G. R. Carroll) *Administrative Sci. Quart.* 48 (2003) 399–432.
- Cascading organizational change. (with L. Pólos and G. R. Carroll) *Org. Sci.* 14 (2003) 463–82.
- The organizational niche. (with G. R. Carroll and L. Pólos). *Sociol. Theory* 21 (2003) 309–40.

- Demography of organizations. In *Encyclopedia of demography* (Revised Edition), P. Demeny and G. McNicoll (eds.) New York: Macmillian Reference, 2003.
- Reasoning with partial knowledge. (with L. Pólos) *Sociol. Methodology* 32 (2002) 133–81.
 - Recipient of the award for the Outstanding Publication in Mathematical Sociology, Am. Sociol. Assoc., 2003.
- Foundations of a theory of social forms. (with L. Pólos and G. R. Carroll) *Indus. and Corp. Change* 11 (2002) 85–115.
- Gender and the organization-building process in young, high-tech firms. (with J. N. Baron, G. Hsu, and Ö. Koçak) Pp. 245–73 in *The new economic sociology: developments in an emerging field.* M. Guillén, R. Collins, P. England, and M. Meyer (eds.) New York: Russell Sage Foundation, 2002.
- Organizational blueprints for success in high-tech start-ups: lessons from the Stanford Project on Emerging Companies. (with J. N. Baron) *California Management Rev.* 44 (2002) 8–36.
 - Recipient of the 2002 Accenture Award.
- Population ecology of organizations. In *International encyclopedia of the social and behavioral sciences*. N. Smelser and P. Baltes (eds.) Oxford: Elsevier Science Ltd., 2002.
- Dynamics of niche width and resource partitioning. (with S. D. Dobrev and T.-Y. Kim) *Am. J. Sociol.* 106 (2001) 1299–1337.
- Labor pains: change in organizational models and employee turnover in young, high-tech firms. (with J. N. Baron and M. D. Burton) *Am. J. Sociol.* 106 (2001) 960–1012.
- Nonmonotonicity in theory building with applications to organizational mortality. (with L. Pólos) Pp. 405–38 in *Dynamics of organizations: computational modeling and organizational theories.* A. Lomi and E. Larsen (eds.) Cambridge, Mass.: AAAI Press and MIT Press, 2001.
- Marktwerk Is Selectiewerk: Van Populatie-Ecologie naar Organisatiedemografie. (with G. R. Carroll and A. van Witteloostuijn) *Bedrijfskunde* 73 (2001) 31–37.
- Back to inertia: implications of alternative styles of logical formalization. (with G. Péli and L. Pólos) *Sociol. Theory* 18 (2000) 193–213.
- The demography of corporations and industries: policy perspectives. (with G. R. Carroll) *California Management Rev.* 42 (2000) 148–63.

- Building the iron cage: determinants of administrative intensity in the early years of organizations (with J. N. Baron and M. D. Burton) *Am. Sociol. Rev.* 64 (1999) 527–47.
 - Reprinted in *The foundations of entrepreneurship*. S. Shane (ed.) New York: Oxford Univ. Press, 2002.
- Aging by default: building theory from fragmentary knowledge. (with L. Pólos and J. Kamps) Pp. 207–19 in *Proceedings of the fourth Dutch–German work-shop on non-monotonic reasoning techniques and their applications*. H. Rott, C. Albert, G. Brewka, and C. Witteveen (eds.) Amsterdam: ILCC Scientific Publications, 1999.
- Engineering bureaucracy: the genesis of formal policies, positions, and structures in high-technology firms. (with J. N. Baron and M. D. Burton) *J. Law, Econ., and Organ.* 15 (1999) 1–41.
- Szervezeti tehetetlenség. Formalizálási stílusok, elméleti követkem´enyek. [Organizational inertia: Formalization styles, theoretical consequences] (with G. Péli and L. Pólos) *Szociológiai Szemle* 1/99 (1999) 120–42.
- Rethinking age dependence in organizational mortality: logical formalizations. *Am. J. Sociol.* 104 (1998) 85–123.
- Deregulation and competition in the financial industry. (with D. N. Barron and E. West) *Indus. and Corp. Change* 7 (1998) 1–32.
- Organizational mortality in European and American automobile industries, Part I: revisiting the effects of age and size. (with G. R. Carroll, S. D. Dobrev, and J. Han) *European Sociol. Rev.* 14 (1998) 279–303.
- Organizational mortality in European and American automobile industries, Part II: coupled clocks. (with G. R. Carroll, S. D. Dobrev, J. Han, and J. C. Torres) *European Sociol. Rev.* 14 (1998) 303–13.
- On logical formalization of theories from organizational ecology. *Sociol. Methodology* 27 (1997) 145–50.
- Inertia, density, and the structure of organizational populations: entries in European automobile industries, 1886–1981. *Org. Studies* 18 (1997) 193–228.
- Environments and the structure of organizations: a population ecology perspective. (with J. Freeman) *Comportamento Organizacional e Gestão* 3 (1997) 5–27. [previously unpublished paper read at the Annual Meetings of the Am. Sociol. Assoc., Montreal, August 1974]

- Reprinted in *Readings in organizational science*. M. P. Cuna and C. A. Margues (eds). Lisbon: ISPA, 1999.
- Networks, knowledge, and niches: competition in the worldwide semiconductor industry, 1984–1991. (with J. M. Podolny and T. E. Stuart) *Am. J. Sociol.* 102 (1996) 59–89.
- The road taken: the origins and evolution of employment systems in emerging high-technology companies. (with J. N. Baron and M. D. Burton) *Indus. and Corp. Change* 5 (1996) 239–76.
 - Reprinted in *Markets, firms, and hierarchies*. G. R. Carroll and D. Teece (eds.) New York; Oxford Univ. Press. 1999:
 - Revista Asturiana de Economica. Winter 1998;
 - *The foundations of entrepreneurship.* S. Shane (ed.) New York: Oxford Univ. Press, 2002.
- Inertia and change in the early years: employment relations in young, high-technology firms. (with M. D. Burton and J. N. Baron) *Indus. and Corp. Change* 5 (1996) 503–36.
 - Reprinted in *Markets, firms, and hierarchies*. G. R. Carroll and D. Teece (eds.) New York; Oxford Univ. Press, 1999.
- The segmentation of transitions from school to work in postwar Germany: a dynamic perspective. (with K. Schömann and H.-P. Blossfeld) *Comparative Social Research* 15 (1996) 103–27.
- Organizational evolution in a multinational context: entries of automobile manufacturing firms in Belgium, Britain, France, Germany, and Italy. (with G. R. Carroll, E. A. Dundon, and J. C. Torres) *Am. Sociol. Rev.* 60 (1995) 509–44.
 - Reprinted in *Organizational learning and knowledge management*. W. H. Starbuck (ed.) Cheltenham U.K.: Elgar, 2008.
- Theory building and cheap talk about legitimation. (with G. R. Carroll) *Am. Sociol. Rev.* 60 (1995) 539–44.
- Introduction to organizational ecology. (with G. R. Carroll) Pp. 17–31 in *Organizations in industry.* G. R. Carroll and M. T. Hannan (eds.) Oxford Univ. Press, 1995.
- Labor unions. Pp. 121–35 in *Organizations in industry*. G. R. Carroll and M. T. Hannan (eds.) Oxford Univ. Press, 1995.

- Automobile manufacturing firms. (with G. R. Carroll) Pp. 195–214 in *Organizations in industry*. G. R. Carroll and M. T. Hannan (eds.) Oxford Univ. Press, 1995.
- A time to grow and a time to die: growth and mortality of credit unions in New York, 1914–1990. (with D. N. Barron and E. West) *Am. J. Sociol.* 100 (1994) 381–421.
- The impact of economics on contemporary sociology. (with J. N. Baron) *J. Econ. Literature* 32 (1994) 1111–46.
 - Reprinted in *Probléms économiques*. No. 2.444–2.445, Nov. 1995;
 - Economic sociology. R. Swedberg (ed.) Cheltenam, UK: Elgar, 1996.
- Die Bedeutung der Bildung im Arbeitseinkommensverlauf: Theoretische Ansätz im Lichte der Ergebnisse einer Längsschnittuntersuchung. (with H.-P. Blossfeld and K. Schömann) Pp. 81–106 in *Bildung, Bildungsfinanzierung un Einkommensverteilung*. R. Lüdeke (ed.) Schriften des Vereins für Sozialpolitik, Band 221/I. Berlin: Duncker& Humbolt, 1993.
- Robustness and rationality in multi-level systems. Pp. 120–36 in *Rational choice theory: advocacy and critique*. J. S. Coleman and T. Fararo (eds.) Newbury Park, Cal.: Sage, 1992.
- Theoretical and methodological issues in the analysis of density–dependent legitimation in organizational evolution. *Sociol. Methodology* 21 (1991) 1–42.
- Autocorrelation and density dependence in organizational founding rates. (with D. N. Barron) *Sociol. Methods and Research* 20 (1991) 218–41.
- On the interpretation of density dependence in rates of organizational mortality. (with D. N. Barron and G. R. Carroll) *Am. Sociol. Rev.* 56 (1991) 410–15.
- Die Bedeutung von Bildung und Arbeitsmarktsegmenten für die Arbeitskommen von Frauen und Männern. (with K. Schömann and H.-P. Blossfeld) Pp. 163–84 in *Von Regen in die Traufe: Frauen zwischen Beruf und Familie.* K. U. Meyer, J. Allmendinger, and J. Huinink (eds.) Frankfurt: Campus, 1991.
- Density dependent dynamics in regulated industries: founding rates of banks and life insurance companies. (with J. Ranger-Moore and J. Banaszak-Holl) *Administrative Sci. Quart.* 36 (1991) 36–65.
- Sex and sector differences in the dynamics of wage growth in the Federal Republic of Germany. (with K. Schömann and H.-P. Blossfeld) *Am. Sociol. Rev.* 55 (1990) 694–713.

- Competition and the evolution of organizational size distributions. (with J. Ranger-Moore and J. Banaszak-Holl) Pp. 246–68 in *Organizational evolution: new directions*. J. V. Singh (ed.) Newbury Park, Cal.: Sage, 1990.
- The ecology of organizational size distributions: a microsimulation approach. (with J. Ranger-Moore) *J. Math. Sociol.* 15 (1990) 67–90.
- A reassessment of the effect of income maintenance on marital dissolution in the Seattle–Denver Experiment. (with N.B. Tuma) *Am. J. Sociol.* 95 (1990) 270–98.
- Competitive and institutional processes in organizational ecology. Pp. 388–402 in *Sociological theories in progress: new formulations.* J. Berger, M. Zelditch, Jr., and B. Anderson (eds.) Newbury Park, Cal.: Sage, 1989.
- Macrosociological applications of event-history analysis: state transitions and event recurrences. *Quantity and Quality* 23 (1989) 351–83.
- Setting the record straight on organizational ecology: rebuttal to Young. (with J. Freeman) *Am. J. Sociol.* 95 (1989) 425–39.
 - Reprinted in *Reader in population research methodology.* D. J. Bogue and E. E. Arriga (eds.) New York: United Nations Fund for Population Activities: Social Development Center, 1993.
- Density delay in the evolution of organizational populations: a model and five empirical tests. (with G. R. Carroll) *Administrative Sci. Quart.* 34 (1989) 11–30.
 - Reprinted in *Organizational evolution: new directions*. J. Singh (ed.) Newbury Park, Cal.: Sage, 1990.
- Density dependence in the evolution of populations of newspaper organizations. (with G. R. Carroll) *Am. Sociol. Rev.* 54 (1989) 524–41.
 - Reprinted in *Organizational learning and knowledge management*. W. H. Starbuck (ed.) Cheltenham U.K.: Elgar, 2008.
 - Chinese translation in *The new institutionalism in the sociology of organizations*. Y. Zhang (ed.) Shanghai: Shanghai Century Publishing Group, forthcoming.
 - Russian translation in *Readings in change management*. G. Shirokova (ed.) St. Petersburg State Univ., 2009.
- On using institutional theory in studying organizational populations (reply to Zucker). (with G. R. Carroll) *Am. Sociol. Rev.* 54 (1989) 545–48.

- Markets and organizations. (with S. Reiter, K. Arrow, L. Davis, P. DiMaggio, M. Granovetter, J. Green, T. Graves, A. Postelwaite, R. Radner, and K. Shell) Pp. 283–326 in *Leading edges in social and behavioral science*. R. D. Luce, N. Smelser, and D. Gerstein (eds.) New York: Russell Sage Foundation, 1989.
- Statistical analysis. (with J. Pratt, C. Clogg, B. Green, J. Hausman, W. Kruskal, D. Rubin, I. R. Savage, J. Tukey, and K. Wachter) Pp. 633–69 in *Leading edges in social and behavioral science*. R. D. Luce, N. Smelser, and D. Gerstein (eds.) New York: Russell Sage Foundation, 1989.
- Determinanten der Verdienstwicklung auf ein und demselben Arbeitsplatz: Ein Beispiel zur Anwendung einer stochastischen Differentialgleichung. (with H.-P. Blossfeld and K. Schömann) Pp. 301–16 in *Effizienzlohntheorie, Individualeinkommen und Arbeitplatzwechsel.* K. Gerlach and O. Hübler (eds.) Frankfurt: Campus, 1989.
- Age dependence in the mortality of national labor unions: comparisons of parametric models. *J. Math. Sociol.* 14 (1989) 1–30.
- Erwerbsverlauf und die Entwicklung der Arbeitseinkommen bei Männer—Eine Längsschnittanalyse unter Verwendung einer stochastischen Differentialgleihung. (with H.-P. Blossfeld and K. Schömann) *Zeitschrift für Soziologie* 17 (1989) 407–23.
- Organizational population dynamics and social change. *European Sociol. Rev.* 4 (1989) 1–15.
- The ecology of organizational mortality: American labor unions, 1836–1985. (with J. Freeman) *Am. J. Sociol.* 94 (1988) 25–52.
- Social change, organizational diversity, and individual careers. Pp. 161–74 in *Social structures and human lives*. M. W. Riley (ed.) Newbury Park, Cal.: Sage and the Am. Sociol. Assoc., 1988.
- Density dependence in the growth of organizational populations. (with J. Freeman) Pp. 7–32 in *Ecological models of organizations*. G. R. Carroll (ed.) Cambridge, Mass.: Ballinger, 1988.
- The ecology of organizational founding: American labor unions, 1836–1985. (with J. Freeman) *Am. J. Sociol.* 92 (1987) 910–43.
 - Reprinted in *The history of management thought: organisational sociology.* W. R. Scott (ed.) Aldershot, UK: Dartmouth, 1995.
- The population ecology of restaurants revisited. (with J. Freeman) *Am. J. Sociol.* 92 (1987) 1214–1220.

- Uncertainty, diversity and organizational change. Pp. 73–94 in *Social and behavioral sciences: discoveries over fifty years*. N. Smelser and D. Gerstein (eds.) Washington D.C.: National Academy Press, 1986.
- Where do organizational forms come from? (with J. Freeman) *Sociol. Forum* (1986) 1:50–72.
- Dynamic analysis of qualitative variables: applications to organizational demography. (with N. B. Tuma) Pp. 629–63 in *Measuring the unmeasurable*. P. Nijkamp, H. Leitner, and N. Wrigley (eds.) Dordrecht: Martinus Nijhoff, 1985.
- Multi-state demography and event-history analysis. Pp. 39–88 in *Progress in sto-chastic modeling of social processes*. A. Diekmann and P. Mitter (eds.) New York: Academic Press, 1985.
- Structural inertia and organizational change. (with J. Freeman) *Am. Sociol. Rev.* 49 (1984) 149–64.

Reprinted in *Approaches to social theory.* S. Lindenberg, J. S. Coleman, and S. Novak (eds.) New York: Russell Sage Foundation, 1986;

Readings in organizational decline: frameworks, research, and prescriptions. K. Cameron, R. Sutton, and D. Whetten (eds.) Cambridge, Mass.: Ballinger, 1988;

The foundations of entrepreneurship. S. Shane (ed.) New York: Oxford Univ. Press, 2002;

Fundamentals of business strategy. M. Augier and D. J. Teece (eds.) London: Sage, 2007;

Central currents in organization studies. Vol. 3. S. Clegg (ed.) Oxford: Bardwell, forthcoming;

Russian translation in *Readings in change management*. G. Shirokova (ed.) St. Petersburg State Univ., 2009.

The liability of newness: Age dependence in organizational death rates. (with J. Freeman and G. R. Carroll) *Am. Sociol. Rev.* 48 (1983) 692–710.

Russian translation in *Readings in change management*. G. Shirokova (ed.) St. Petersburg State Univ., 2009.

Niche width and the dynamics of organizational populations. (with J. Freeman) *Am. J. Sociol.* 88 (1983) 1116–1145.

Families, markets, and social structures. J. Econ. Literature 20 (1982) 65–72.

- Organizational niche width: test of a model. (with J. Freeman) Pp. 231–71 in *Mathematische Analyse von Organisationsstruckturen und –Prozessen.* W. Sodeur (ed.) Duisburg: Sozialwissenschaftliche Kooperative, 1982.
- Dynamics of formal political structure. (with G. R. Carroll) *Am. Sociol. Rev.* 46 (1981) 19–35.
- Marital dissolution and remarriage. (with L. P. Groeneveld and N. B. Tuma) Pp. 162–82 in *Guaranteed annual income*. R. Spiegelman, S. Weiner, and J. Bell (eds.) New York: Academic Press, 1980.
- The effects of negative income tax programs on marital dissolution. (with L. P. Groeneveld, and N. B. Tuma) *J. Human Resources* 15 (1980) 654–74.
- Methods of temporal analysis. (with N. B. Tuma) *Ann. Rev. Sociol.* 5 (1980) 303–28.
 - Reprinted in Data analysis. S. Sarantakos (ed.) London: Sage, 2007.
- Income and psychological distress: impact of an income maintenance experiment (with P. Thoits) *J. Health and Social Behavior* 20 (1980) 120–38.
 - Reprinted in *Guaranteed annual income*. R. Spiegelman, S. Weiner, and J. Bell (eds.) New York: Academic Press, 1981.
- What can we learn about marriage from social experiments? (with N. B. Tuma and L. P. Groeneveld) *Proceedings Am. Statistical Assoc., Business and Economics Section* (1979) 1–6.
- Dynamic analysis of event histories. (with N. B. Tuma and L. P. Groeneveld) *Am. J. Sociol.* 84 (1979) 820–54.
 - Reprinted in *Evaluation Studies Rev. Annual*. Volume 5, E. Stromsdorfer and G. Farkas (eds.) Beverly Hills, Cal.: Sage, 1981.
 - *Quantitative social science.* SAGE Benchmarks in Social Research Methods Series. J. Scott and Y. Xie (eds.) Thousand Oaks, Cal.: Sage, 2005.
- National development in a changing world system. (with J. W. Meyer) Pp. 3–16 in *National development and the world system*. J. W. Meyer and M. T. Hannan (eds.) Chicago: Univ. of Chicago Press, 1979.
- Methodological issues in the study of national development. Pp. 17–33 in *National development and the world system*.
- National economic development in the contemporary world system, 1950–1970. (with J. W. Meyer, R. Rubinson, and G. Thomas) Pp. 85–116 in *National development and the world system*.

- The expansion of national educational systems. (with F. Nielsen) Pp. 56–71 in *National development and the world system*.
- The dynamics of ethnic boundaries in modern states. Pp. 253–75 in *National development and the world system*.
 - Reprinted in *Social stratification: class, race, and gender in sociological perspective.* D. Grusky (ed.) Boulder, Col.: Westview Press, 1994.
- Issues for further comparative research. (with J. W. Meyer) Pp. 297–308 in *National development and the world system*.
- Reply to Goodwin. (with N. B. Tuma and L. P. Groeneveld) *Am. J. Sociol.* 85 (1979) 657–61.
 - Reprinted in *Evaluation Studies Rev. Annual*. Volume 5, E. Stromsdorfer and G. Farkas (eds.) Beverly Hills, Cal.: Sage, 1981.
- Approaches to the censoring problem in event-history analysis. (with N. B. Tuma) Pp. 209–40 in *Sociol. methodology 1979*. K. F. Schuessler (ed.) San Francisco: Jossey–Bass, 1978.
- Income and independence effects on marital dissolution: results from the Seattle–Denver Income Maintenance Experiment. (with N. B. Tuma and L. P. Groeneveld) *Am. J. Sociol.* 84 (1978) 611–33.
 - Reprinted in *Event History Analysis*, L. Wu (ed.) Sage Benchmarks in Social Science Research Methods, Sage Publications, 2011, forthcoming.
- Internal politics of growth and decline. (with J. Freeman) Pp. 177–99 in *Environments and organizations*. M. Meyer et al (eds.) San Francisco: Jossey–Bass, 1978.
- Analysis of noneconomic outcomes in the Rural Income Maintenance Experiment. Pp. 183–210 in *Welfare in rural areas: The North Carolina–Iowa Income Maintenance Experiment.* J. Palmer and J. Pechman (eds.) Washington: Brookings Institution, 1978.
- Obstacles to the comparative study of effectiveness. (with J. Freeman) Pp. 106–31 in *Perspectives on organizational effectiveness*. J. Pennings and P. Goodman (eds.) San Francisco: Jossey–Bass, 1977.
- The expansion of national educational systems: tests of a population ecology of organizations model. (with F. Nielsen) *Am. Sociol. Rev.* 42 (1977) 479–90.
- Income and marital events: evidence from an income maintenance experiment. (with N. B. Tuma and L. P. Groeneveld) *Am. J. Sociol.* 82 (1977) 1186–1211.

The population ecology of organizations. (with J. Freeman) *Am. J. Sociol.* 82 (1977) 929–64.

Reprinted in *Environments and organizations*. M. Meyer et al. (eds.) San Francisco: Jossey–Bass, 1978;

The organizational society. (2nd ed.), R. Presthus (ed.) New York: St. Martin's Press, 1978;

The sociology of organizations: basic studies.O. Grusky and G. Miller (eds.) Second ed. New York: Free Press, 1981;

French translation in *Changement planifié et dévelopment des organisations: théorie et pratique.* R. Tessier and Y. Tellier (eds.) Quebéc: Les Presses de l'Université du Quebéc, 1992;

Organizational behavior and management. (4th ed.), H. Tosi and T. Hammer (eds.) Brussels: Grid Publishing, 1986;

Classics of organization theory. J. Shafritz and J. S. Ott (eds.) Third ed. Pacific Grove, Cal.: Brooks/Cole, 1993;

Strategy process, content, context: an international perspective. B. De Wit and R. Meyer (eds.) St. Paul Minn.: West, 1994;

German translation in *Sozialer Wandel: Modellbildung und theoretische Ansätze.* H.–P. Muller and M. Schmid (eds.) Frankfurt: Suhrkamp, 1994;

The history of management thought: organisational sociology. W. R. Scott (ed.) Aldershot, UK: Dartmouth, 1995;

The history of management thought: complex organisations. R. Hall (ed.) Aldershot, UK: Dartmouth, 1995;

Organization theory: selected readings. D. S. Pugh (ed.) Rushden, UK: Penguin Books, 1997;

Advances in entrepreneurship. P. Westhead and M. Wright (eds.) Cheltenham, UK: Elgar, 1999;

Strategy: critical perspectives on business and management. D. Faulkner (ed.) London: Taylor & Francis, 2002;

Russian translation in *Vestnik St. Petersburgskogo Universiteta, Seria Management* 3 (2004) 143–85;

Portugese translation in RAE-Revista de Administração de Empresas 2005;

Teoria das Organizações. M. P. Caladas and C. O. Berto (eds.) São Paulo, Brazil: Editoria Atlas. 2007;

Theories of organization. H. Tosi (ed.) Los Angeles: Sage, 2008;

Russian translation in *Readings on organization theory.* St. Petersburg State Univ., 2009;

Russian translation in *Classics of new economic sociology.* State Univ.—Higher School of Economics, Moscow, forthcoming.

The evolution of organizations. J. Child (ed.) Cheltenham, UK: Elgar, forthcoming.

- Estimation of panel models: results on pooling cross sections and time series. (with A. A. Young) Pp. 52–83 in *Sociol. methodology 1977*. D. Heise (ed.) San Francisco: Jossey–Bass, 1977.
- Specification of models of organizational effectiveness. (with J. Freeman and J. W. Meyer) *Am. Sociol. Rev.* 41 (1976) 136–43.
- Growth and decline processes in organizations. (with J. Freeman) *Am. Sociol. Rev.* 40 (1975) 215–28.

Reprinted in *Reader on complex organizations*. A. Etzioni and E. Lehman (eds.) New York: Holt Rinehart, 1980;

Organizational research. D. Katz, R. Kahn, and J. S. Adams (eds.) San Francisco: Jossey–Bass, 1980;

The history of management thought: contingency theory. L. Donaldson (ed.) Aldershot, UK: Dartmouth, 1995.

- Estimation from grouped observations. (with L. Burstein) *Am. Sociol. Rev.* 40 (1974) 374–92.
- The causal approach to measurement error in panel analysis: some further contingencies. (with R. Rubinson and J. Warren) Pp. 293–323 in *Measurement in the social sciences*. H. M. Blalock, Jr. (ed.) Chicago: Aldine, 1973.
- Sociological perspectives on poverty. Pp. 6–22 in *Perspectives on poverty*. D. Dugan and W. Leahy (eds.) New York: Praeger, 1971.
- Problems of aggregation. Pp. 473–508 in *Causal models in the social sciences*. H. M. Blalock, Jr. (ed.) Chicago: Aldine, 1970. (Second ed. 1985).

Technical Reports and Conference Papers

- Category distinctiveness, constraint, and appeal: biodynamic and organic wine in Alsace. (with G. Negro and M. Fassiotto), presented at the meeting of Nagymaros Group on Organizational Ecology, July 2011.
- Category spanning, distance, and appeal. (with B. Kovács), Stanford GSB Research Paper 2081. July 2011 (presented at the meeting of Nagymaros Group on Organizational Ecology).
- Leniency, recombination, and affiliation with category labels. (with E. Pontikes), presented at the meeting of Nagymaros Group on Organizational Ecology, July 2011.
- Oppositional identities and resource partitioning: distillery ownership in Scotch whisky, 1826–2009. (with D. G. McKendrick). Presented at the Stanford GSB Conference on Resource Partitioning and Organizational Dynamics, October 2010.
- Drifting tastes, inertia, and organizational mortality. (with G. Le Mens and L. Pólos) Presented at the meetings of the Nagymaros Group on Organizational Ecology, Helsinki, June 2010.
- On the dynamics of organizational mortality: age-dependence revisited. (with G. Le Mens and L. Pólos) Stanford GSB Research Paper 2062. (Presented at the annual meeting of the Academy of Management, Montreal, August 2010.)
- On the durability of resource partitioning. (with L. Pólos and G. R. Carroll) Presented at the Durham Univ. Conference on Resource Partitioning, March 2010.
- Age dependence revisited. (with G. Le Mens) Presented at the meetings of the Nagymaros Group on Organizational Ecology, Verona, July 2009.
- Similarity in food. (with B. Kovács) Presented at the meetings of the Nagymaros Group on Organizational Ecology, Verona, July 2009.
- A meta-analysis of density-dependent legitimation. (with S. Bogaert, C. Boone, G. R. Carroll, G. Negro, and A. van Witteloostuijn) Presented at the meetings of the Nagymaros Group on Organizational Ecology, Verona, July 2009.
- Audience structure and the development of schemas and category systems in markets. (with Ö. Koçak and G. Hsu) Presented at the annual meeting of the Society for the Advancement of Socio-Economics, Paris, July 2009.
- Temporal dynamics in categorization: typecasting and entry-driven legitimation. (with G. Hsu and L. Pólos) Stanford Graduate School of Business, January 2009.

- Modal constructions in sociological arguments. (with L. Pólos and G. Hsu) Research report No. 2011, Stanford Graduate School of Business, January 2009.
- Typecasting and legitimation: a formal theory. (with G. Hsu and L. Pólos) Research report No. 2010, Stanford Graduate School of Business, January 2009.
- Partiality: categories and niches. Presented at the Nobel Symposium: Foundations of Organizations. Saltsjöbaden, August 2008.
- Ownership diversity and foundings in the Scotch whisky industry. (with D.G. McKendrick) Presented at the annual meetings of the Academy of Management, August 2008.
- Categorical challenge and response: modernism and tradition in Italian wine production. (with G. Negro and H. Rao) Stanford Graduate School of Business, September 2008.
- Categorical contrast and audience appeal: niche width and critical success in winemaking. (with G. Negro and H. Rao) Stanford Graduate School of Business, March 2008.
- A formal theory of multiple category memberships in markets and two empirical tests. (with G. Hsu and Ö. Koçak) Research paper No. 1968R, Stanford Graduate School of Business. (https://gsbapps.stanford.edu/researchpapers/library/RP1968R.pdf). Presented at the annual meetings of the Academy of Management, August 2007.
- No *barrique*, no Berlusconi: categories, contention, and authenticity in the making of Barolo and Barbaresco wines. (with G. Negro, H. Rao, and M. D. Leung) Stanford Graduate School of Business Research Paper 1968R, 2007.
- Organizational identity and multiple category memberships. (with G. Hsu) Presented at the annual meetings of the Academy of Management, Honolulu, August 2005.
- The emergence of categories and forms I: clustering and categorization. (with L. Pólos and G. R. Carroll) Presented at the Conference on Forms, Functions, and Organization. Univ. of Bologna, September 2004.
- The emergence of categories and forms II: legitimation. (with L. Pólos and G. R. Carroll) Presented at the Conference on Forms, Functions, and Organization. Univ. of Bologna, September 2004.
- Organizational identities, specialization, and prominence. (with G. Hsu) Presented at the Conference on Forms, Functions, and Organization. Univ. of Bologna, September 2004.

- Identities, genres, and organizational forms. (with G. Hsu) Presented at the Conference on Frontiers of Organizational Science, Laguna Beach, CA. November 2003.
- A logic for theories in flux: a model-theoretic approach. (with L. Pólos) Research paper 1792. Stanford Graduate School of Business, 2003. Presented at the 12th International Congress of Logic, Methodology, and Philosophy of Science. Oviedo, Spain, August 2003.
- Change in the organizational niche. (with G. R. Carroll and L. Pólos) Graduate School of Business, 2003.
- The co-evolution of organizational architecture and culture. (with L. Pólos and G. R. Carroll) Presented at the 25th Anniversary Conference of Organizational Ecology, Stanford, December 2002.
- A formal theory of resource partitioning. (with G. R. Carroll and L. Pólos) Research paper 1763. Graduate School of Business, 2002.
- The organizational niche. (with G. R. Carroll and L. Pólos) Research paper 1762. Graduate School of Business, 2002. (Presented at the annual meetings of the European Group on Organisational Studies, Barcelona, July 2002.)
- Structural inertia and organizational change revisited I: architecture, culture, and cascades. (with L. Pólos and G. R. Carroll) Research paper 1732, Stanford Graduate School of Business, 2002.
- Structural inertia and organizational change revisited II: complexity, opacity, and change. (with L. Pólos and G. R. Carroll) Research paper 1733, Stanford Graduate School of Business, 2002.
- Structural inertia and organizational change revisited III: the evolution of inertia. (with L. Pólos and G. R. Carroll) Research paper 1734, Stanford Graduate School of Business, 2002.
- The economic sociology of organizational entrepreneurship: lessons from the Stanford Project on Emerging Companies. (with J. N. Baron) Presented at the Cornell Conference on The Economic Sociology of Capitalism, September 2001.
- Foundations of organizational ecology II: change, mortality, and the evolution of inertia. (with L. Pólos and G. R. Carroll) Presented at the Stanford Strategy Conference, March 2001.
- Staying the course: early organization building and the success of high-techology firms. (with J. N. Baron, G. Hsu, and Ö. Koçak) Presented at the Confer-

- ence on Issues in Research on Entrepreneurship, Harvard Business School, December 2000.
- Reasoning with partial knowledge. (with L. Pólos) Research report 1638, Graduate School of Business, Stanford Univ. Presented at the winter meetings of the Methodology Section of the Am. Sociol. Assoc., Los Angeles, March 2000.
- Dynamics of niche width and resource partitioning. (with S. D. Dobrev and T.-Y. Kim) Presented at the Workshop on Organizational Ecology, Rotterdam School of Business, Erasmus Univ. November 1999.
- Identities, forms, and populations. (with L. Pólos and G. R. Carroll) Presented at the Workshop on Organizational Ecology. Rotterdam School of Business, Erasmus Univ. November 1999.
- On the language of social codes. (with L. Pólos and G. R. Carroll) Rotterdam School of Business, Erasmus Univ. November 1999.
- Theory building from fragmented knowledge. (with L. Pólos) Presented at the 11th International Congress of Logic, Methodology, and Philosophy of Science. Kraków, August 1999.
- Determinants of managerial intensity in the early years of organizations. (with J. N. Baron and M. D. Burton) Research Paper No. 1550. Graduate School of Business, Stanford Univ., 1999.
- Implications of a population approach to corporate demography. (with G. R. Carroll) Presented at the Annual Meetings of the Population Assoc. of America. 1999.
- Engineering bureaucracy: the genesis of formal policies, positions, and structures in high-technology firms. (with J. N. Baron and M. D. Burton) Presented at the J. Law, Economics, and Organization Conference on Bureaucracy: Issues and Apparatus, April 1998.
- Three formal models of organizational inertia: different paths in theory building? (with G. Péli) Presented at the annual meetings of the Am. Sociol. Assoc., August 1998.
- Identities and forms: on the structure of organizational forms. (with L. Pólos and G. R. Carroll) Presented at the 14th Colloquium of the European Group on Organizational Studies, Maastricht, July 1998.
- Back to inertia: new logical formalizations. (with G. Péli and L. Pólos) Research Report 98B23: Systems, Organization, and Management Research Institute, Univ. of Groningen, February 1998.

- Building the iron cage: determinants of administrative intensity in the early years of organizations (with J. N. Baron and M. D. Burton) Working Paper 98–064, Harvard Business School, January 1998. (Earlier version presented at the annual meetings of the Am. Sociol. Assoc., Toronto, August 1997).
- Crowding, niche width, and organizational mortality. Presented at the Workshop on the Sociology of Strategy, Univ. of Chicago, May 1997.
- Rethinking age dependence in organizational mortality: logical formalizations. Presented at the Conference on Logic in Organization Theory: Rational Reconstruction and Formal Reasoning, Amsterdam, April 1997.
- Social selection mechanisms: organizations and other corporate actors. Presented at the Conference on Social Mechanisms, Stockholm, June 1996; revised January 1997.
- Alignment and consistency in human resource systems: evidence from emerging companies. (with M. D. Burton and J. N. Baron) Presented at the conference: Understanding the Structure of Human Resource Systems. The Wharton School, Univ. of Pennsylvania, October 1995.
- The road taken: the origins and evolution of employment systems in emerging high-technology companies. (with J. N. Baron and M. D. Burton) Presented at the Conference on Markets, Firms, and Hierarchies. Univ. of California at Berkeley, October 1995.
- Inertia and change in the early years: employment relations in young, high-technology firms. (with J. N. Baron and M. D. Burton) Presented at the Conference on Markets, Firms, and Hierarchies. Univ. of California at Berkeley, October 1995.
- Before production: organizing activities and founding events in the American automobile industry from 1886 to 1982. (with G. R. Carroll, L. Bigelow, M.-D. Seidel, A. Teo, and L. Tsai) Technical Report 94–14, Center for Research on Management, Univ. of California at Berkeley, October 1994.
- Network autocorrelation in growth models. (with J. M. Podolny and T. E. Stuart) Presented at the Sunbelt Network Meetings, New Orleans, February 1994.
- An ecological model of organizational growth and decline: credit unions in New York, 1914–1990. (with D. N. Barron and E. West) Presented at the Annual Meetings of the Am. Sociol. Assoc., Miami, 1993.
- Rationality and robustness in macro theories. Presented at the annual meetings of the Am. Sociol. Assoc., Cincinnati, 1991.

- Ecological dynamics of the world of organizations. Distinguished Lecture, Academy of Management, Organization and Management Theory Division, 1991.
- On the interpretation of density dependence in rates of organizational mortality. (with D. N. Barron and G. R. Carroll) Technical Report 90–15, Dept. of Sociology, Cornell Univ., 1990.
- Assessing autocorrelation in models of organizational founding rates: quasi-likelihood estimation. (with D. N. Barron) Technical Report 90–10, Dept. of Sociology, Cornell Univ., 1990.
- Technical change, inertia, and organizational failure. (with J. Freeman) Technical Report 90–4, Dept. of Sociology, Cornell Univ.
- Theoretical and methodological issues in analysis of density-dependent legitimation in organizational evolution. Technical Report 90–3, Dept. of Sociology, Cornell Univ., 1990.
- Density dependence in the mortality processes of financial institutions: American life insurance companies and Manhattan banks. (with J. Banaszak-Holl, J. Ranger-Moore) Technical Report 90–1, Dept. of Sociology, Cornell Univ., 1990.
- A Critique of Cain and Wissoker's reanalysis of the impact of income maintenance on marital dissolution. (with N. B. Tuma) Technical Report 89–7, Dept. of Sociology, Cornell Univ., 1990. (Presented at the meetings of the International Sociol. Assoc. Section on Stratification and Mobility, Stanford, August 1989).
- Technical innovation, inertia, and organizational failure. (with J. Freeman) Presented at the annual meetings of the European Group on Organisational Studies, Berlin, July, 1989.
- Sex and sector differences in the dynamics of wage growth in the Federal Republic of Germany. (with K. Schömann and H.-P. Blossfeld) Technical Report 89–4, Dept. of Sociology, Cornell Univ., 1989. (Presented at the meetings of the International Sociol. Assoc., Section on Stratification and Mobility, Stanford, August, 1989).
- Effects of density and environmental conditions on founding rates of financial institutions: Banks and life insurance companies. (with J. Ranger-Moore and J. Banaszak-Holl) Technical Report 89–3, Dept. of Sociology, Cornell Univ., 1989.
- Competition and the evolution of organizational size distributions. (with J. Ranger-Moore and J. Banaszak-Holl) Presented at the Wharton Conference on Organizational Evolution, Philadelphia, December, 1988.

- The role of density delay in the evolution of organizational populations: a model and five empirical tests. (with G. R. Carroll) Presented at the Wharton Conference on Organizational Evolution, Philadelphia, 1988.
- Education, labor-market segment, and growth in wages: Experiences of West German men. (with H.-P. Blossfeld and K. Schömann) Arbeitpapier 269, Sonderforschungbereich 3, Goethe Universität, Frankfurt, 1988.
- Documentation of public use data set: ecology of Labor Unions Study. Technical Report 88–2, Sociology Dept., Cornell Univ., 1988.
- Macrosociological applications of event–history analysis: State transitions and event recurrences. Presented at the International Social Science Conference on Social Science Methodology, Dubrovnik, June 1988.
- The ecology of organizational size distributions: A microsimulation approach. (with J. Ranger-Moore) Presented at the annual meetings of the Am. Sociol. Assoc., Atlanta, August 1988.
- Density dependence in the evolution of populations of newspapers. (with G. R. Carroll) Technical Report 88–1, Dept. of Sociology, Cornell Univ., 1988. (Presented at the annual meetings of the Am. Sociol. Assoc., Atlanta, August 1989.)
- Erwebsverlauf und die Entwicklung der Arbeitseinkommen bei Männer—Eine Längsschnitt Analyse unter Verwendung einer stochastischen Differentialgleichung. (with H.-P. Blossfeld and K. Schömann) Presented at the Tagung Individualeninkommen und Arbeitsplatzwechsel des Abreitkreises Sozialwisseschaftliche Arbeitsmarktforschung, Hannover, March 1988.
- Organizational population dynamics and social change. Presented at the Ringburg–Symposium: Empirische Sozialstruktur Analyse und Theorien der gessellschaftlichen Entwicklung. Ringburg, January 1988.
- Specialist strategies and organizational mortality in the U.S. semiconductor industry. (with J. Freeman) Presented at the annual meetings of the Acad. of Management, New Orleans, July 1987.
- Competition and organizational mortality in the U.S. semiconductor industry. (with J. Freeman) Presented at the 8th Conference of the European Group on Organisational Studies, Antwerp, July 1987.
- Age dependence in the mortality of national labor unions: comparisons of parametric models. Technical Report 87–7. Dept. of Sociology, Cornell Univ., 1987.
- Organizational diversity and social inequality. Technical Report 86–15, Dept. of Sociology, Cornell Univ., 1986. (Presented at the annual meetings of the Am. Sociol. Assoc., New York, August 1986.)

- Competitive and institutional processes in organizational ecology. Technical Report 86–13, Dept. of Sociology, Cornell Univ., 1986.
- Disbanding rates of national labor unions, 1836–1985: density dependence and age dependence. (with J. Freeman) Technical Report 86–6, Dept. of Sociology, Cornell Univ., 1986.
- The ecology of organizational founding rates: dynamics of foundings of national labor unions, 1836–1985. (with J. Freeman) Technical Report 86–5, Dept. of Sociology, Cornell Univ., 1986.
- An analysis of time on welfare. (with J. O'Neil, D. Wolfe, and L. Bassi) Washington: Urban Institute. 1985.
- Organizational ecology: structural inertia and organizational change. (with J. Freeman) Presented at the W. I. Thomas and Florian Znaniecki Conference on Contemporary Social Theory, Univ. of Chicago, November 1983.
- Uncertainty, diversity, and organizational change. Presented at the Ogburn Symposium, National Acad. of Sciences, Washington, December 1983.
- Structural inertia and organizational change. (with J. Freeman) Technical Report 4, Organization Studies Section, Institute for Mathematical Studies in the Social Sciences, Stanford Univ., 1983.
- School district demography and governance. (with J. Freeman) Project Report 83–A22, Institute for Research on Educational Finance and Governance, Stanford Univ., 1983.
- The liability of newness: Age dependence in organizational death rates. (with J. Freeman and G. R. Carroll) Technical Report 5, Organization Studies Section, Institute for Mathematical Studies in the Social Sciences, Stanford Univ., 1983. (Presented at the annual meetings of the Am. Sociol. Assoc., Detroit, September 1983.)
- Multistate demography and event-history analysis. Working Paper 82–50. International Institute for Applied Systems Analysis, Laxenburg, Austria, 1982.
- Life cycle fluctuations in organizational death rates. (with J. Freeman) Presented at the Social Science Research Council Conference on Organizational Indicators of Social Change, Washington, December 1981.
- Niche width and the dynamics of organizational populations. (with J. Freeman) Technical Report 2, Organization Studies Section, Institute for Mathematical Studies in the Social Sciences, Stanford Univ., 1981.

- The ecology of national labor unions: theory and research design. Technical Report 1, Organization Studies Section, Institute for Mathematical Studies in the Social Sciences, Stanford Univ., 1980.
- The effect of three negative income tax experiments on marital stability. (with L. P. Groeneveld, M. Davis, and N. B. Tuma) Technical Memorandum SD.10. SRI International, Menlo Park, 1980.
- Topics in the analysis of the effects of SIME/DIME on marital stability. (with L. P. Groeneveld and N. B. Tuma) Technical Memorandum SD.12. SRI International, Menlo Park, 1980.
- The effect of alternative negative income tax programs on marital stability: national projections using findings of the Seattle and Denver Income Maintenance Experiments. (with L. P. Groeneveld and N. B. Tuma) Technical Memorandum SD.13. SRI International, Menlo Park, 1980.
- The effects of SIME/DIME on marital dissolution conditional on spouses' employment status. (with N. B. Tuma and L. P. Groeneveld) Technical Memorandum SD.28, SRI International, Menlo Park, 1980
- Income and independence effects on marital dissolution: results from the first three years of SIME/DIME. (with N. B. Tuma and L. P. Groeneveld) Research Memorandum 63, Center for the Study of Welfare Policy, Stanford Research Institute, Menlo Park, 1979.
- Dynamics of formal political structure: an event-history analysis. (with G. R. Carroll) Technical Report 72, Laboratory for Social Research, Stanford Univ., 1979.
- Final report: Dynamic models for panel analysis. (with N. B. Tuma) NIE Grant G–76–0082, Stanford Univ., 1978.
- Alternative estimation procedures for event-history analysis: a Monte Carlo study. (with G. R. Carroll, N. B. Tuma, and B. Warsavage) Technical Report 70, Laboratory for Sociol. Research, Stanford Univ., 1978.
- Effects of income maintenance on marriage: an overview. (with L. P. Groeneveld and N. B. Tuma) Presented at SIME Conference, Orcas Island, Wash., May 1978.
- Methodological issues in the analysis of marital stability. Presented at the SIME Conference, Orcas Island Wash., May 1978.
- Models for change in quantitative variables. I: deterministic models. Technical Report 63, Laboratory for Sociol. Research, Stanford Univ., 1978.

- Models for change in quantitative variables. II: stochastic models. Technical Report 64, Laboratory for Sociol. Research, Stanford Univ., 1978.
- Models for change in quantitative variables. III: estimation from panel data. Technical Report 65, Laboratory for Sociol. Research, Stanford Univ., 1978.
- The impact of measurement error in the analysis of log-linear rate models: Monte Carlo findings. (with G. R. Carroll, N. B. Tuma, and B. Warsavage) Technical Report 69, Laboratory for Sociol. Research, Stanford Univ., 1978.
- Quality of maximum likelihood estimators of parameters in a log-linear rate model. (with N. B. Tuma, G. R. Carroll, and M. Fennell) Technical Report 59, Laboratory for Sociol. Research, Stanford Univ., 1977.
- Dynamic analysis of social experiments. (with N. B. Tuma and L. P. Groeneveld) Presented at the annual meetings of the Am. Sociol. Assoc., Chicago, August 1977.
- Income and independence effects on marital dissolution: findings from the Seattle–Denver Income Maintenance Experiment. (with N. B. Tuma and L. P. Groeneveld) Presented at the annual meetings of the Am. Sociol. Assoc., Chicago, August 1977.
- A model of the effects of income maintenance on rates of marital dissolution. (with N. B. Tuma and L. P. Groeneveld) Research Memorandum 44, Center for the Study of Welfare Policy, Stanford Research Institute, Menlo Park, 1977.
- Variation over time in the impact of income maintenance on rates of marital dissolution. (with N. B. Tuma and L. P. Groeneveld) Research Memorandum 43, Center for the Study of Welfare Policy, Stanford Research Institute, Menlo Park, 1977.
- Methodological problems in analyzing the effects of educational organizations on social structure. Presented at the Conference on Higher Education and Changes in Social Structure, Warsaw, September 1976.
- Marital dissolution and remarriages: the first 24 months of SIME/DIME. (with N. B. Tuma and L. P. Groeneveld) Research Memorandum 35, Center for the Study of Welfare Policy, Stanford Research Institute, Menlo Park, 1976.
- Modeling stability and complexity in networks of organizations. Presented at the annual meetings of the Am. Sociol. Assoc., New York, August 1976.
- On certain similarities in the analysis of multiwave panels and multilevel cross sections. Technical Report 16, Consortium on Methodology for Aggregating Data in Educational Research, Vasquez Associates, Milwaukee, 1976.

- Aggregation gain reconsidered. Presented at the annual meetings of the Am. Educational Research Assoc., San Francisco, 1976.
- Small sample results on estimation from grouped observations. (with A. A. Young)
 Technical Report 24, Consortium on Methodology for Aggregating Data in
 Educational Research, Vasquez Associates, Milwaukee, 1976.
- Specification bias analysis of the effects of grouping of observations in multiple regression models. (with A. A. Young and F. Nielsen) Presented at the annual meetings of the Am. Educational Research Assoc., 1975.
- The effects of income maintenance on the making and breaking of marriages: preliminary results of the first 18 months of the Denver Income Maintenance Experiment. (with S. Beaver and N. B. Tuma) Center for the Study of Welfare Policy, Stanford Research Institute, Menlo Park, 1974
- Environment and structural change in organizations. (with J. Freeman) Presented at the annual meetings of the Am. Sociol. Assoc., Montreal, August 1974.
- The measurement of normative orientations towards family organization: applications of confirmatory factor analysis. (with N. B. Tuma, R. Cronkite, and D. Miller) Research Memorandum 23, Income Maintenance Research Center, Stanford Research Institute, Menlo Park, 1973.
- National economic growth, 1950–1965: educational and political factors. (with J. W. Meyer and R. Rubinson) Presented at the SEADAG Seminar on Education and National Development, Singapore, 1973.
- Education and economic development: some baseline models. Final Report to Office of Education, Stanford Univ., 1972.
- The design of the family stability study in the Denver and Seattle Income Maintenance Experiments. (with J. Warren and I. Adler) Presented at the annual meetings of the Am. Sociol. Assoc., Denver, 1972.
- Approaches to the aggregation problem. Technical Report 46, Laboratory for Sociological Research, Stanford Univ., 1972.
- Aggregation, additivity, and structural measurement. Presented at the annual meetings of the Am. Sociol. Assoc., Washington, August 1970.
- Problems in the causal analysis of organizational structure. Presented at the annual meetings of the Pacific Sociol. Assoc., Anaheim, April 1970.

Grants:

- Corporate demography. (with G. R. Carroll) Alfred P. Sloan Foundation, grant 95–6–20, 1995–98.
- Dynamics of organizational populations. National Science Foundation, grant SES-9123708 and SES-9247842, 1992-94.
- Dynamics of organizational populations. National Science Foundation grant, SES-9008493, 1990-92.
- The ecology of organizational size distributions. National Science Foundation, grant SES-8809006, 1988-91.
- Selection and competition in the life cycles of organizations. (with J. Freeman) National Science Foundation, grant SES–8510227, 1985–88.
- Organizational ecology and technical innovation in the United States semiconductor industry. (with J. Freeman) National Science Foundation, grant ISI–8218013, 1983–85.
- Selection and competition in the organizational life cycle. (with J. Freeman) National Science Foundation, grant SES–81–09381, 1981–83.
- Selection and competition in the organizational life cycle. (with J. Freeman and N. B. Tuma) National Science Foundation, grant SOC78–12315, 1978–81.
- Dynamic models for panel analysis. (with N. B. Tuma) National Institute of Education, grant NIE–G–76,0082, 1976–78.
- Consortium on Methodology for Aggregating Data in Educational Research. (with L. Burstein) National Institute of Education, contract NIE–C–74–0123, 1974–76.
- The interrelationships of national educational systems with political, social, and economic institutions. (with J. W. Meyer) National Science Foundation, grant GS–32065, 1972–75.
- Societal development and expansion of educational systems. Office of Education, research contract OEC-71-0033 (508), 1971-73.

Selected Professional Activities:

Scientific Committee, Indus. and Corp. Change, 2009—

Associate Editor, Indus. and Corp. Change, 1998–2009.

Associate Editor, J. Mathematical Sociology, 1985-

Scientific Advisory Board, Onderzoeksschool, Systemen, Organisatie en Mangement, Univ. of Groningen, 1999–2008.

Consulting Editor, Am. J. Sociology, 1994–96.

Council, Section on Methodology, Am. Sociol. Assoc., 1993–95.

Invited Lecture to National Science Board, Washington, 1991.

Program Committee, Am. Sociol. Assoc., 1990–92.

Chair, Section on Organizations and Occupations, Am. Sociol. Assoc., 1987–90.

Consulting Editor, Am. J. of Sociology, 1985–87.

Working Group on Markets and Organizations and Working Group on Statistics, Committee on Basic Research in the Behavioral and Social Sciences, Ten Year Outlook, 1985.

Associate Editor, Sociol. Forum, 1984-87.

Chair, Methodology Section, Am. Sociol. Assoc., 1983-85.

Associate Editor, Am. Sociol. Rev., 1983-85.

Council, Methodology Section, Am. Sociol. Assoc., 1974–77.

Consulting Editor, Evaluation Quarterly, 1976–78.

Consulting Editor, Am. J. of Sociology, 1974–76.

Deputy Editor, Am. Sociol. Rev., 1974–76.