

JAN YOUTIE

EDUCATIONAL BACKGROUND:

Ph.D., 1981, Emory University, Political Science
M.A., 1979, Emory University, Political Science
B.S., 1977, Emory University, Political Science

EMPLOYMENT HISTORY

Senior Research Associate, Enterprise Innovation Institute (formerly Economic Development Institute) Georgia Institute of Technology, 1992 to 1999, Principal Research Associate, 1999 to present, Manager Policy Services, 2006 to present
Adjunct Associate Professor, School of Public Policy, Georgia Institute of Technology, 1998 to present
Assistant Director, A.L. Burruss Institute of Public Service, Kennesaw State College, 1990-1992
Vice President, Bank Earnings International, 1982-1990
Senior Research Associate, Electronic Banking, Inc., 1981-1982

INTERESTS

Technology and innovation policy; technology-based economic development; industry analysis; regional innovation; knowledge measurement; policy evaluation

JOURNAL ARTICLES

Roper S., Youtie J., Shapira P. and Fernandez-Ribas A, Knowledge, Capabilities and Manufacturing Innovation: A USA-Europe Comparison, (Online First) **DOI:** 10.1080/00343400802360410, December 22, 2008.
Shapira, P., Youtie, J. Learning to Innovate: Building Regional Technology Development Learning Networks in Midsized Cities, *European Planning Studies*, Vol. 6, No., 9, October 2008, pp. 1207-1228.
Youtie, J., Shapira, P. Building an innovation hub: A case study of the transformation of university roles in regional technological and economic development. *Research Policy*, Vol. 37, No. 8, September 2008, pp. 1188-1204.
Shapira P. and Youtie, J, Nanodistricts in the United States, *Economic Development Quarterly*, Vol. 22, No. 3, August 2008, pp. 187-199.
Youtie, J., Shapira, P., Porter, A.L., Nanotechnology publications and citations by leading countries and blocs, *Journal of Nanoparticle Research*, Vol. 10, No. 6, August, 2008, pp. 981-986.
Youtie, J., Iacopetta, M, Graham, S., Assessing the Nature of Nanotechnology: Can We Uncover an Emerging General Purpose Technology? *Journal of Technology Transfer*, Vol. 33, No. 3 June, 2008, pp. 315-329.
Porter, A.L., Youtie, J., Shapira, P., Schoeneck, D., Refining search terms for nanotechnology. *Journal of Nanoparticle Research*, Vol. 10, No. 5 May, 2008, pp. 715-728.
Youtie, J., Shapira, P. "Mapping the Nanotechnology Enterprise: A Multi-indicator Analysis of Emerging Nanodistricts in the US South." *Journal of Technology Transfer*, Vol. 33, No. 2, 2008, pp., 209-223.

Shapira, P., Youtie, J., Cheney, D., The Future of Manufacturing, *International Journal of Foresight and Innovation Policy*, Vol. 3, No. 3, 2007, pp. 235-239.

Youtie, J., Shapira, P., Urmenbetova, A., Wang, J. "Advanced Technology and the Future of U.S. Manufacturing" *International Journal of Foresight and Innovation Policy*. Vol 3, No. 3, 2007, pp. 311-331.

Youtie, J., Shapira, P., Laudeman, G., "Supply, Demand, and ICT-based Services: A Local Level Perspective," *Telecommunications Policy*, Vol 31, No. 6-7, 2007, pp. 347-358. Earlier version at <http://www.cherry.gatech.edu/lagrange/publications.htm>

Youtie, J., Libaers, D., Bozeman, B. "Institutionalization of University Research Centers: The Case of the National Cooperative Program in Infertility Research." *Technovation*, Vol 26, No. 9, September 2006, pp. 1055-1063.

Shapira, P., Youtie, J., Yogeessvaran, K, Jaafer, Z. "Knowledge Economy Measurement: Methods, Results and Insights from the Malaysian Knowledge Content Study. *Research Policy*," Vol, 35, 2006, pp. 1522-1537.

Shapira, P., Youtie, J., "Measures for knowledge-based economic development: Introducing data mining techniques to economic developers in the state of Georgia and the US South," *Technological Forecasting and Social Change.*, Vol. 73, 2006, pp. 950-965.

Shapira P., Youtie, J., Mohapatra, S., "Linking Research Production and Development Outcomes at the Regional Level." *Research Evaluation*, Vol., 12, No. 2, August, 2003, pp. 105-116.

Youtie, J. "Field of Dreams Revisited: Economic Development and Telecommunications in LaGrange, Georgia," *Economic Development Quarterly*, Vol. 14, No. 22, 2000, pp. 146-153.

Shapira, P., Youtie, J. "Teaching with Internet and Multimedia Technologies." *Journal of Planning Education & Research*. Vol. 21, 2001, pp. 71-83.

Youtie, J., Bozeman, B. and Shapira, P., "Using an Evaluability Assessment to Select Methods for Evaluating State Technology Development Programs: The Case of the Georgia Research Alliance," *Evaluation and Program Planning*, Vol. 22, 1999, pp. 55-64. Earlier version at <http://www.cherry.gatech.edu/mod/pubs/ttconf1.html>

Youtie, J., Shapira, P., "Evaluating Industrial Modernization: Methods, Results and Insights from the Georgia Manufacturing Extension Alliance," *Journal of Technology Transfer*, Vol. 23 No. 1, 1998, pp. 17-27.

Springfield, R., and Youtie, J., "Evaluation of Industrial Modernization Programs: A Field Agent's Perspective," *Journal of Technology Transfer*, Vol. 23 No. 1, 1998, pp. 43-47.

Shapira, P., Youtie, J., "Contrasting perspectives on the evaluation of industrial modernization: Introduction to the symposium" Vol. 23 No. 1, 1998, pp. 3-6.

Youtie, J., Shapira, P., "Tracking Customer Progress: Measuring the Impacts of Industrial Extension," *Journal of Technology Transfer*, Vol. 22, No. 2, pp. 43-52, 1997.

Shapira P, Kingsley G, Youtie J, Manufacturing partnerships: Evaluation in the context of government reform *Evaluation and Program Planning* Vol. 20 No. 1, 1997, pp. 103-112.

Shapira, P., Youtie, J., Roessner, J.D., "Current Practices in the Evaluation of U.S. Industrial Modernization Programs," *Research Policy*, Vol. 25, No. 2, 1996, pp. 185-214. Earlier version at: <http://www.prism.gatech.edu/~ps25/mod/respoll1.htm>

Youtie, J., Read, W. "Regulatory Reform and the Promise of New Telecommunications Infrastructure in New Jersey." *The Information Society*, Vol. 12, No. 4, 1996, pp. 425-437.

Read, W., Youtie, J., "Telecommunications and Economic Development: Assessing Public Strategies, Industrial and Corporate Change," Vol. 4 No. 4, 1995, pp. 667-670.

Read, W., Youtie, J., "Policy Strategies Along the Information Superhighway," Review of Policy Research, Vol. 14 No. 1-2, March 1995, pp. 99-106.

Read, W., Youtie, J. "LaGrange, Georgia's 'Field of Dreams': Economic Development and Telecommunications in a Rural Area" Economic Development Review, Vol. 13, No. 1, Winter 1995, pp. 70-75.

Read, W., Youtie, J. "Texas Telecom Corridor" Economic Development Review, Vol. 12, No. 3, Summer 1994, pp. 27-31.

Read, W., Youtie, J. "Public versus private enterprise: the lessons of high-tech Singapore" Intermedia, Vol. 21, No. 6, November/December 1993, pp. 22-24.

BOOKS AND BOOK CHAPTERS

Youtie, J., Shapira, P. "Innovation Strategies and Manufacturing Practices: Insights from the 2005 Georgia Manufacturing Survey" in G. Susman (ed), Small and Medium-sized Enterprises and the Global Economy. North Hampton, MA: Edward Elgar Publishing, Inc., 2007.

Youtie, J, Shapira, P., Laudeman, G. "Reducing Barriers to User Access: The LaGrange Public Internet Initiative" in E. Bucy and J. Newhagen (ed), Media Access: Social and Psychological Dimensions of New Technology Use. Mahwah, NJ: Lawrence Erlbaum Associates. 2004. Earlier version at <http://www.cherry.gatech.edu/lagrange/publications.htm>

Read, W., Youtie, J., Telecommunications Strategy for Economic Development, Westport, Connecticut: Praeger Publishers, 1996.

Lipis, A.H., Marschall, T.R., Linker, J.H., Electronic Banking. New York, Wiley, 1985.

Linker, J, Public intervenors and the public airwaves: The effect of interest groups on FCC decisions, in J.J. Havick, (ed), Communications Policy and the Political Process. Westport, Connecticut: Greenwood Press, 1983.

SPONSORED RESEARCH, GRANTS (SELECTED)

Senior researcher, Study on Knowledge Content in Key Economic Sectors in Malaysia (2007, 2002)

Senior researcher, Center for Nanotechnology in Society at Arizona State University (2006-2008)

Country Correspondent, PROINNOWATCH, TrendChart, European Commission, (2007-2010)

Country Correspondent, ERAWATCH (European research policy network). US research system assessment, European Commission, (2007-2010)

Principal Investigator, Intellectual Capital Partnership Program, University System of Georgia, workforce studies on energy and environment (2008), aerospace (2007), logistics (2005), bioscience (2003, 2008), supply and demand of university graduates (1998, 1999, 2001, 2003);

Co-Director, Knowledge Mapping of Nanotechnology in the Southern United States, Southern Technology Council (2005).

Co-Director, Georgia Manufacturing Survey (2005, 2002,1999,1996,1994)

Senior researcher, NICHD Research Centers/Network Program Review: National Cooperative Program for Infertility Research, National Institutes of Health (2003-2004).

Co-Principal Investigator, Impacts of Public Information Infrastructure Access, evaluation involving surveys, case studies, National Science Foundation (2001-2004).

Co-Principal Investigator, Special Studies and Analysis, Manufacturing Futures Group, National Institute of Standards and Technology (2003-2004), involving technology futures workshop, pilot protocol examining role of information in productivity, product and services innovation. Director, bibliometric analysis of the nanotechnology industry for the Georgia Research Alliance (2004)

Principal Investigator, cluster analysis of electronic chip design industries for the Georgia Department of Economic Development (2001-2002)

Principal Investigator, technology infusion project, to benchmark technology development programs in U.S. states for the Georgia Department of Economic Development, (2000).

Principal Investigator, Mid-sized Cities Technology Development project, to enhance technology-based economic development activities in mid-sized cities in Georgia, develop a European network of mid-sized cities, and organize workshops for the Georgia Department of Economic Development (2001-2003)

Senior researcher, Contractor Change at the Department of Energy's Multi-program Laboratories, involving focus groups, case studies, Office of Science, Department of Energy, (2001).

Principal Investigator, Innovative Local Economic Development Programs, involving 25 case studies, U.S. Economic Development Administration (1998-1999).

Principal, case study evaluations of the Manufacturing Extension Partnership program, successful projects (1997), exemplary projects (1998), third party partnerships (1998), transformed firms (1999).

Senior Researcher, Ring Around Georgia, NTIA/Department of Commerce
Aspen Institute, Manufacturing Assistance Program Needs Assessment Guide, (1994-1995)

SERVICE, HONORS, AWARDS

Journal of Technology Transfer, Ad hoc reviewer

International Journal of Foresight and Innovation Policy, Ad hoc reviewer

Telecommunications Policy, Ad hoc reviewer

Economic Development Quarterly, Ad hoc reviewer

Evaluation and Program Planning, Ad hoc reviewer

R&D Management, Ad hoc reviewer

Research Policy, Ad hoc reviewer

Technology Analysis & Strategic management, Ad hoc reviewer

Peer Recognition Award, Enterprise Innovation Institute, 2007

Reviewer for NSF-CAREER Proposal, 2002

Journal of Technology Transfer Lang Rosen Gold Award for best paper, 1997, 1998

Member, Manufacturing Extension Partnership Program Evaluation Review Committee (2005-2006), Center Panel Reviews (1998), Evaluation Working Group (1993-1999)

Sloan Foundation Industry Studies Affiliate (2005-present)

Working group member, National Innovations Initiative, Sponsor: Council on Competitiveness (2004).

Special assistant to Governor's task force on technology and telecommunications (2003), natural gas deregulation (2001-2002).

Director, Telecommunications/Technology technical advisory committee, Georgia Rural Development Council (2000).

Co-organization, Innovations in Economic Development Forum, (2004-2008).
Co-organization, workshops on Telecommunications, Rural Georgia, and the New Economy,
sponsor: Georgia Department of Community Affairs (1999-2000);
Co-organization, Atlanta Workshops on the Evaluation of Industrial Modernization, Aberdeen
Woods, GA, 1993, 1994, 1996, 1997.