

## SUMMARY VITA

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## CURRENT APPOINTMENT

Director, Program in Geographic Information Sciences.

Professor of Geography and Political Economy, The University Of Texas At Dallas, 1984-

## PREVIOUS POSITIONS

Chairman, Bruton Center for Development Studies, University of Texas at Dallas, 1995-1998

Executive Director of Information Resources, The University of Texas at Dallas, 1991-1995.

Director, Academic Computer Center, The University of Texas at Dallas, 1982-1990

## EDUCATION

Ph.D. Geography, The Ohio State University, Columbus, Ohio: 1972.

## PRIMARY AREAS OF ACADEMIC INTEREST

Geographic information systems and the role of information technology in the public sector.

Regional economic and demographic development, particularly the role of technological change in communications and transportation

## SELECTED GRANTS

(with Paul Waddell) *A Consortium Approach to Framework Data Development: The Dallas/Fort Worth Example* (\$124,817, 1996-1997) United States Geological Survey

(with Paul Waddell) *Establishing a National Geospatial Data Clearinghouse Node for the Dallas/Fort Worth Region*, (\$24,929, 1995-1996) United States Geological Survey

(with F. Makedon and W. Zacharias) *Establishment of a Computer Learning Research Center* (\$900,000, 1988-1990) Pew Foundation Memorial Trust.

(with John Rees) *The Inter-regional Diffusion of Industrial Innovations* (\$60,000, 1981-1982) Faculty Associate. National Science Foundation.

*The Impact of the Interstate Highway System on Nonmetropolitan Growth* (\$58,183; 1979-1980), U.S. Department of Transportation.

## SELECTED PUBLICATIONS

(with Fang Qiu and K. Woller) "Modeling Urban Population Growth from Remotely Sensed Imagery and TIGER GIS Road Data" Photogrammetric Engineering & Remote Sensing, Vol. 69, No. 9, Sept. 2003, pp. 1031-1042.

(with James Stamm) *Change Detection in Digital Orthophotos* Proceedings, GIS/LIS1998, November, 1998. Reprinted in GIM (Geomatics International Magazine), Vol. 13, No. 4 April 1999, pp. 44-47.

*From Las Colinas to the Telecom Corridor: An Essay on Edge City Development in the Dallas/Fort Worth Region* in Donald Lyons and Paul Hudak Geographical Perspectives on the Texas Region Washington, D.C.: Association of American Geographers, 1997, pp. 17-24.

*A Consortium Approach to Framework Data Development: The Dallas/Fort Worth Example* Final Report for Contract Number 1434-HQ-96-AG-01628, US Geological Survey, October, 1997

*Establishing A National Geospatial Data Clearinghouse Node for the Dallas/Fort Worth Region*, Final Report for Cooperative Agreement Number 1434-95-A-01419, US Geological Survey, January, 1997

(with John Rees and Raymond Oakey) *The Adoption of New Technology in the American Machinery Industry* Regional Studies 18 (1984) 489-504.

(with J. Rees) *Control Factors in the Economic Development of Non-Metropolitan America*  
Environment and Planning, A, 14 (1982) 1645-1666.  
"The Interstate Highway System and Development in Non-metropolitan Areas," Transportation  
Research Record, No. 812, 1981, 9-12