VITA

(revised 5-10-2022)

JAMES B. PICK

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https://www.redlands.edu/study/schools-and-centers/business/about-the-school/meet-our-faculty/james-pick/

Title: Professor of Business

Nationality: U.S.

Marital Status: Married

EDUCATION

Northwestern University, B.A. Biology, 1966
Northern Illinois University, M.S. Education, 1969
University of California, Irvine, Ph.D. Population and Environmental Biology, 1974

AACSB FACULTY DEVELOPMENT INSTITUTE CERTIFICATION

AACSB (Institute Certificate), Certificate of participation in Accreditation Association of Collegiate Schools of Business, Advanced Information Systems Faculty Development Institute, July, 1987.

MAJOR RESEARCH INTERESTS

Management information systems
Location analytics and geographic information systems
Human population and urban studies
Renewable energy development

MAJOR TEACHING INTERESTS

Management information systems
Location Analytics/Geographic Information Systems

RESEARCH AND PROFESSIONAL EXPERIENCE

Professor
School of Business and Society
University of Redlands   1995 to present

Founding Director, Director, Center for Spatial Business
University of Redlands   2011-2012, 2017 -2019, 2020-2022

Visiting Faculty   forthcoming, Fall, 2022
School of Information Systems and Technology Management,
UNSW Business School
University of New South Wales
Sydney, Australia

Visiting Researcher,
Department of Sociology
School of Social Sciences,
University of California, Irvine   forthcoming, Winter 2023

Visiting Researcher,
Department of Sociology
School of Social Sciences,
University of California, Irvine   Winter, 2020

Visiting Professor, ESADE, Barcelona, Spain   Fall, 2019

Visiting Researcher, Center for Research on
Immigration, Population, and Public Policy,
Department of Sociology,
School of Social Sciences,
University of California, Irvine   Winter, 2016

Visiting Researcher, Center for Research on
Immigration, Population, and Public Policy,
Department of Sociology,
School of Social Sciences,
University of California, Irvine   Winter, 2013

Visiting Scholar, Department of Information Systems,
City University of Hong Kong, Hong Kong, China   Fall, 2012

Visiting Researcher, Center for Research on
Immigration, Population, and Public Policy,
Department of Sociology,
School of Social Sciences
University of California, Irvine.   Winter, 2009

Visiting Scholar, Lingnan University   Spring, 2009

Hong Kong, China

Visiting Researcher, Center for Research on Immigration, Population, and Public Policy, School of Social Sciences, University of California, Irvine	Summer and Fall, 2005
Faculty Research Associate, Center for Research on Information Technology and Organizations (CRITO), University of California, Irvine	2006 to 2012
Founding Chair, School of Business Faculty Assembly University of Redlands	2001 to 2004
Visiting Professor, Program in Systems, Department of Engineering, Universidad Iberoamericana, Mexico City.	Fall, 2001
Director, Information Systems Programs, University of Redlands	1999 to 2001
Chair, Department of Management and Business University of Redlands	1995 to 1999
Visiting Professor, Program in Systems, Department of Engineering, Universidad Iberoamericana, Mexico City.	Fall, 1997
Associate Professor, Dept. of Management and Business Director of Information Management Program, University of Redlands	1991 to 1995
Co-Director, U.S.-Mexico Database Project University of California, Riverside	1988 to 1991
Lecturer, Director of Computing Graduate School of Management University of California, Riverside	1984 to 1991
Assistant Research Statistician, Lecturer Graduate School of Management University of California, Riverside	1975 to 1984

TEACHING EXPERIENCE

Courses currently taught at University of Redlands encompass the MIS areas of information and

knowledge management, managing IS development and process change, business information systems, location analytics, geographic information systems, spatial analysis of global business, emerging technologies and innovations, data visualization, telecommunications and networks, electronic commerce, systems analysis and design, global information systems, information systems strategy, legal, policy, and ethical issues for technology, and a social science elective course, the urban community. Courses are at the graduate (MBA, MS in Business Analytics, MS in Information Technology), and undergraduate levels.

Courses previously taught, mostly at graduate level, include, at University of California Irvine, the urban community and demography, and from 1975 to 1991 at University of California, Riverside, encompassed introduction to management information systems, computer systems for management, management information systems, modeling and simulation, forecasting for managerial decisions, and demography.

Administrative Faculty in Cambridge University Exchange Program, April, 1997.
Teaching Faculty in Cambridge University Exchange Program, April, May, 1998.
Teaching Faculty in Cambridge University Exchange Program, April, May, 2001.
Teaching Faculty in Austria-Italy Exchange Program, September, 2016.
Visiting scholar, Centro de Investigación y Docencia Económicas (CIDE), Mexico City, January
          2003.
Visiting scholar, Instituto Tecnológico Autónomo de México (ITAM), Mexico City, January 2004.
Visiting scholar, Instituto Tecnológico Autónomo de México (ITAM), Mexico City, January 2005.

DOCTORAL DISSERTATION AND M.B.A.THESIS COMMITTEES

Member, Ph.D. dissertation Board of Examiners, Department of Humanities and Social Sciences,
        Indian Institute of Technology, Delhi, 2019.
Member Ph.D. dissertation committee, Geospatial Information Sciences Program, School of
        Economic, Political, and Policy Science, University of Texas at Dallas, (2012-2018).
Member five Ph.D. dissertation committees, School/Center of Information Science and Technology,
        Claremont Graduate University, Claremont, California (1995-2001 and 2005-2009, 2013-
        2015, 2015-present, 2016-present).
Member, Ph.D. committee, Department of Geography, Northern Illinois University (2015)
Member D.B.A. dissertation committee, Charles Sturt University, Australia (2006).
Member twelve Ph.D. dissertation committees, Departments of Statistics and Sociology, and School
        of Education, University California, Riverside, 1978-1991. Chairman of one committee.

Member M.B.A. thesis committees, Graduate School of Management, University of California,
        Riverside, 1984-91. Chairman of 20 committees, 1984-91.
Member M.B.A thesis committees, Dept. Mgt. and Business, University of Redlands, 1992-1997.

EXTERNAL TENURE/PROMOTION EVALUATOR AND GRANT REVIEWER

External evaluator for tenure and promotion to associate professor for faculty in information
        systems, City University of New York, 1994.
External evaluator for tenure and promotion to associate professor for faculty in information
        science, Syracuse University, 2001.
External evaluator for promotion to full professor for faculty member in information systems,
        DePaul University, 2003.

External evaluator for tenure and promotion to associate professor for faculty member in information systems, Loyola University, Chicago, 2004

External evaluator for tenure and promotion to associate professor for faculty in MIS, State University of New York at New Paltz, 2004

External evaluator for tenure and promotion to associate professor for faculty in Dept. of Information and Decision Sciences, College of Business Administration, University of Texas El Paso, 2005

External evaluator for promotion to full professor for faculty in School of Computer Science and Information Systems, Pace University, New York City, 2005.

External evaluator for promotion to assistant professor, School of Management, Bocconi University, Milan, Italy, 2005.

External reviewer for research grant, "Workload-aware Spatiotemporal Sketches for Enhancing Location-based Applications," Research Committee, City University of Hong Kong, 2005.

External reviewer for research grant, "Reporting Crime Online: A Test of Usability, Accuracy, and Completeness," Dissertation Grant Committee, Claremont Graduate University, 2006.

External evaluator for tenure, School of Management, Delaware State University, 2006.

External evaluator for tenure, School of Information Systems and Technology, Claremont Graduate University, 2006-2007.

External evaluator for promotion to full professor for faculty in the College of Information Science and Technology, University of Nebraska, Omaha, 2007.

External evaluator for tenure for faculty at Pennsylvania State University, Grand Valley, 2008.

External evaluator for promotion to full professor for faculty in School of Information Sciences, Syracuse University, 2009.

External evaluator for tenure and promotion to associate professor for faculty in Dept. of Computer Information Systems, Bentley University, 2010-2011.

External evaluator for promotion to full professor for faculty in the College of Information Science and Technology, University of Nebraska, Omaha, 2013.

External evaluator for promotion to full professor for faculty in the College of Business, Iowa State University, 2013.

External evaluator for promotion to full professor for faculty in Barton School of Business, Wichita State University, 2013.

External evaluator for promotion to associate professor for faculty in Accounting Department, College of Business Administration, University of Texas at El Paso, 2013.

External evaluator for promotion to full professor for faculty in Department of Accounting and MIS, Governors State University, 2016.

External evaluator of candidate for Chancellor's Award in Research. SUNY New Paltz, 2018.

External nominator of candidate for Alumni Award. Brunel University K London, England, 2020.

External support letter for promotion to full professor for faculty in School of Computing and Digital Media, DePaul University, Chicago, 2020,

External evaluator for promotion and tenure for faculty member in Center for Information Systems and Technology, Drucker School of Management, Claremont Graduate University, 2020l

External evaluator for promotion and tenure for faculty in Seidenberg School of Computer Studies and Information Science at Pace University, 2021.

External evaluator for promotion and tenure for a faculty member in the Seidenberg School of Computer Studies and Information Science at Pace University, 2022.

PROFESSIONAL CERTIFICATION

CCP (Certified Computing Professional), Institute for the Certification of Computer Professionals, Issued 1980, renewed continuously.

Foreign Languages

Spanish - read, write, speak.   French - read, write, some speaking.

AWARDS

Expression of Appreciation. MBA Student Association, University of California, Riverside. 1991.

Thunderbird Award for Outstanding Research Paper, Business Assoc. of Latin American Studies, 1993.

Student Recognition Award for Teaching of Graduate Seminar, Universidad Iberoamericana, Mexico City, Mexico, 1997.

Outstanding Section Coordinator for the Association for Borderlands Studies Section, Western Social Science Association, 2001-2002.

Fulbright Senior Lecturer/Research Award in Mexico, Summer/Fall 2001.

Outstanding Alumni Award, College of Liberal Arts and Sciences, Northern Illinois University, 2004.

Volunteer Spotlight Recognition, Association for Information Systems, 2010. For contributions to the field of Information Systems in Latin America.

Outstanding Special Interest Group, Association for Information Systems. 2015. For excellence in operations, member communications, events and research publications, received by SIGGIS for accomplishments during chairship of SIGGIS.

Honorary Member of Delta Mu Delta, International Honor Society in Business, in recognition of outstanding achievement. 2019.

 Outstanding Special Interest Group, Association for Information Systems. 2016. For excellence in operations, member communications, events and research publications, during chairship of SIGGIS.

Best Paper, Hawaiian International Conference on Information Systems (HICSS). 2009.

Best Conference Paper. 2nd Runner-up Award. (1 of 3 awards given). America's Conference on Information Systems. Association for Information Systems, 2016.

Nominated for Best Paper, Hawaiian International Conference on System Sciences (HICSS), 2017.

University Faculty Honors Award for Outstanding Research, University of Redlands, 1993.

University Faculty Honors Award for Outstanding Teaching, University of Redlands, 1996.

University Faculty Honors Award for Outstanding Research, University of Redlands, 2000.

University Faculty Honors Award for Outstanding Research, University of Redlands, 2008.

School of Business Honors Award for Excellence in Research, University of Redlands, 2011.

 School of Business Honors Award for Excellence in Research, University of Redlands, 2014.

University Faculty Honors Award for Outstanding Research, University of Redlands, 2015.

University Faculty Honors Award for Outstanding Service, University of Redlands, 2019.

School of Business and Society Honors Award for Excellence in Teaching, University of Redlands, 2022.

Nominated for University Faculty Honors Award for Outstanding Teaching, University of Redlands, 2005.

Nominated for School of Business Excellence in Teaching Award, 2005.

Nominated for University Faculty Honors Award for Outstanding Research, Teaching, and Service Awards, University of Redlands. 2013 and 2014.

Nominated for Fellow of the Association for Information Systems, 2016, 2018.

Albert Nelson Marquis Lifetime Achievement Award 2019

Distinguished Member, Cum Laude, Association for Information Systems, 2020.

PUBLISHED WRITINGS AND CREATIVE ACTIVITIES

I.   BOOKS

1. Butler, Edgar W. and James B. Pick. 1982. *Geothermal Energy Development: Problems and Prospects in the Imperial Valley of California*. New York, Plenum Publishing Company. Available as an eBook at Springer.com.

2. Pick, James B. 1986. *Computer Systems in Business*. Boston: PWS Publishers.

3. Pick, James B., Michael Heister, and Brad Lowman. 1986. *MicroManual: Basic, Word Processing, Spreadsheet, and Data Base*. Boston: PWS Publishers.

4. Pick, James B., Edgar W. Butler, and Elizabeth Lanzer. 1989. *Atlas of Mexico*. Boulder, Colorado: Westview Press.

5. Pick, James B. and Edgar W. Butler. 1994. *The Mexico Handbook: Economic and Demographic Maps and Statistics*. Boulder, Colorado: Westview Press.

6. Pick, James B. and Edgar W. Butler. 1997. *Mexico Megacity*. Boulder, Colorado: Westview Press. Also published by Westview in paperback edition in 2000.

7. Butler, Edgar W., James B. Pick, and W. James Hettrick. 2001. *Mexico and Mexico City in the World Economy*. Boulder, Colorado: Westview Press.

8. Pick, James B. (Editor). 2005. *Geographic Information Systems in Business*. Hershey, Pennsylvania: Idea Group Publishing.

9. Greene, Richard P., and James B. Pick. 2006. *Exploring the Urban Community: A GIS Approach*. First Edition. Upper Saddle River, New Jersey: Prentice Hall. Also available in Chinese edition.

10. Pick, James B. 2008. *Geo-Business: GIS in the Digital Organization*. New York: John Wiley and Sons.

11. Greene, Richard P., and Pick, James B. 2012. *Exploring the Urban Community: a GIS Approach*. Second Edition. Upper Saddle River, New Jersey: Prentice Hall.

12. Pick, James B. and Avjit Sarkar. 2015. *The Global Digital Divides: Explaining Change*. Heidelberg, Germany: Springer-Verlag.

13. Pick, James B. 2017. *Renewable Energy: Problems and Prospects in the Coachella Valley of California.* Heidelberg, Germany: Springer Nature.

14. Thomas W. Horan, Pick, James B., and Avijit Sarkar. 2022. *Spatial Business: Competing and Leading with Location Analytics*. (Note: each author is an equal contributor). Redlands, CA: Esri Press. In press for September publication.

15. Pick, James B., and Avijit Sarkar. 2023. *Global Digital Divides in the Covid-19 Era: Purposeful Use of the Internet and Technologies.* Berlin, Germany: De Gruyter. In preparation.

II. JOURNAL ARTICLES (refereed)

16. Pick, James B., 1974. "Computer Display of Population Age Structure." *Demography* 11(4): 673-682.

17. Pick, James B. 1977. "Correlates of Fertility and Mortality in Low-Migration Standard Metropolitan Statistical Areas." *Biodemography and Social Biology* 24(1): 69-83. (Note: name changed from *Social Biology*).

18. Pasqualetti, Martin J., James B. Pick, and Edgar W. Butler. 1979. "Geothermal Energy in Imperial County, California: Environmental, Socioeconomic, Demographic and Public Opinion Research Conclusions and Policy Recommendations." *Energy* 4: 67-80.

19. Pick, James B. and John C. Holladay. 1979. "An Alternate Approach to Analyzing Convergence by Leslie Matrices." *Journal of Mathematical Sociology* 6(2): 283-324.

20. Pick, James B. and Edgar W. Butler. 1979. "Limiting Factors on Geothermal Development, Imperial County, California, U.S.A." *Geothermal Resources Council Transactions* 3:535-538.

21. Pick, James B. and Edgar W. Butler. 1980. "Beginnings of Geothermal Impact on County Population and Leadership, Imperial County, California." *Geothermal Resource Council Transactions* 4:815-818.

22. Pick, James B., Tae Hwan Jung, and Edgar W. Butler. 1981. "Regional Employment Implications for Geothermal Energy Development, Imperial County, California." *Journal of Environmental Systems* 10(4):269-281.

23. Pick, James B. and Edgar W. Butler. 1981. "Simulation of Alternative Population Structures Relative to Geothermal Energy Development, Imperial County, California." *International Journal on Policy and Information* 4(2):87-104.

24. Pick, James B., Tae Hwan Jung, and Edgar W. Butler. 1985. "Projection of Direct Farm Laborer Displacement from Geothermal Development, Imperial County, California." *International Journal of Environmental Studies* 24:255-265.

25. Pick, James B., Swapan Nag, Glenda Tellis, and Edgar W. Butler. 1987. "Geographical Distribution and Variation in Selected Socioeconomic Variables for Municipios in Six Mexican Border States, 1980." *Journal of Borderlands Studies* 2(1):58-92.

26. Fukurai, Hiroshi, James B. Pick, Edgar W. Butler, and Swapan Nag. 1987. "An Analysis of the Interstate Migration in Mexico." *Mexican Studies* 3(2):365-395.

27. Fukurai, Hiroshi, James B. Pick, Edgar W. Butler. 1987. "Interstate Migration in Mexico, 1980: A Spatial Analysis." *Sociology and Social Research* 71(4): 312-322.

28. Pick, James B. and Kenneth Rutherfurd. 1987. "Implementing Micros in Arts Organizations." *Journal of Systems Management* 38(12):32-39.

29. Pick, James B., Edgar W. Butler, and Suhas Pavgi. 1988. "Socioeconomic Determinants of Fertility: Selected Mexican Regions, 1976-77." *Biodemography and Social Biology* 35(1-2):137-157. (Note: name changed from *Social Biology*).

30. Fukurai, Hiroshi, James B. Pick, Edgar W. Butler, and Glenda Tellis. 1989. "An Examination of Regional Migration Patterns in Mexico: New and Old Mexican Regions." *Genus* 44(3-4):225-243.

31. Pick, James B., Glenda L. Tellis, and Edgar W. Butler. 1989. "Fertility Determinants in the Oil Region of Mexico." *Biodemography and Social Biology* 36(1-2):45-66. (Note: name changed from *Social Biology*).

32. Pick, James B., Edgar W. Butler, Swapan Nag, and Glenda Tellis. 1989. "Socioeconomic Influences on Fertility in the Mexican Borderlands Regions." *Mexican Studies* 6(1):11-42.

33. Pick, James B., Glenda L. Tellis, Edgar W. Butler, and Suhas Pavgi. 1990. "Determinantes Socioeconomicas de Migracion en Mexico" ("Socioeconomic Determinants of Migration in Mexico"). *Estudios Demograficos y Urbanos* 5(1):61-101.

34. Pick, James B. and Edgar W. Butler. 1990. "Socioeconomic Inequality in the U.S.-Mexico Borderlands: Modernization and Buffering." *Frontera Norte* 2(3):31-62.

35. Guillen, Tonatiuh, Edgar W. Butler, and James B. Pick. 1990. "La Politica Electoral En La Frontera Norte de Mexico Hacia El Ano 2000" ("Electoral Politics in the Mexican Borderlands through the Year 2000"). *Estudios Sociologicos*. 8(23):271-304.

36. Pick, James B. 1990. "Staffing, Planning, and Control of Information Systems in Charitable Nonprofit Organizations." *Information and Management* 20:1-17.

37. Pick, James B. 1990. "Artistic Computing in Art Museums." *Archives and Museum Informatics* 4(1):1-7.

38. Pick, James B. 1990. "Computer Staffing, Planning, and Control in Art Museums: Findings from a National Survey." *Archives and Museum Informatics* 4(2):2-7.

39. Butler, Edgar W., and James B. Pick. 1991. "Twentieth Century Migration to Baja California." *Journal of Borderlands Studies* 6(1):1-35.

40. Pick, James B. 1992. "Staffing and Managerial Aspects of Information Systems in Art Museums: An Example of Nonprofits. 1992. *Computer Personnel* 14(1-2):66-75.

41. Pick, James B., Edgar W. Butler, and Raul Gonzalez Ramirez. 1993. "Projection of the Mexican National Labor Force, 1980-2005." *Biodemography and Social Biology* 40(3-4):161-190. (Note: name changed from *Social Biology*).

42. Pick, James B. and Skye Stephenson-Glade. 1994. "The NAFTA Agreement and Labor Force Projections: Implications for the Border Region." *Journal of Borderlands Studies* 9(1):69-99.

43. Pick, James B. 1997. "Natural and Spectral Convergence Measures of Leslie Matrices: Additive Norms and the Imprimitive Cases." *Journal of Mathematical and Computer Modelling* 26(6):25-37.

44. Schenk, K.D. and James B. Pick. 1998. "Successful Strategies for Corporate Involvement in Information Systems Programs." *Journal of Computer Information Systems* 39(1):65-71.

45. Zhang, Ping and James B. Pick. 1998. "Generating Large Sized Data Sets for Simulation of Electronics Manufacturing." *Simulation*, 70(4):231-249.

46. Pick, James B. and Edgar W. Butler. 1998. "Demographic, Social, and Economic Effects on Mexican Causes of Death in 1990." *Biodemography and Social Biology* 45(3-4): 151-171. (Note: name changed from *Social Biology*).

47. Guthrie, Ruth and James B. Pick. 1998. "Work Ethic Differences Between Traditional and

Telework Employees." *Journal of End User Computing* 10(4):33-41.

48. Pick, James B., Nanda Viswanathan, and W. James Hettrick. 2001. "The U.S.-Mexican Borderlands Region: A Binational Spatial Analysis." *Social Science Journal*, 38:567-595.

49. Navarrete, Carlos and James B. Pick. 2002. "Initial Selective Information Technology Outsourcing: an Exploratory Study of Large Companies in Mexico," *Journal of Information Technology Cases and Applications*, 4(1):34-55.

50. Navarrete, Carlos J. and James B. Pick. 2002. "Information Technology Expenditure and Industry Performance: The Case of the Mexican Banking Industry." *Journal of Global Information Technology Management* 5(2): 7-28. Also published in Steven R. Gordon (ed.), 2004, *Information Technology and e-Business in the Financial Services*, Marietta, Georgia, Ivy League Publishing Ltd., pp. 22-51.

51. Navarrete, Carlos J. and James B. Pick. 2003. "Cross-Cultural Telecommuting Evaluation in Mexico and United States." *The Electronic Journal on Information Systems in Developing Countries* 15(5):1-14.

52. Garcia Murillo, Martha, and James B. Pick. 2004. "Interconnection Regulation: Explaining Dominance by Incumbents in Mexico." *Communications and Strategies* 53(1):17-51.

53. Pick, James B. 2004. "Geographic Information Systems: A Tutorial and Introduction" *Communications of the Association for Information Systems*, 14:307-331.

54. Viswanathan, Nanda, and James B. Pick. 2005. "Comparison of E-Commerce in India and Mexico: an Example of Technology Diffusion in Developing Nations." *International Journal of Technology Management*, special issue edited by K. Dhanda, 31(1-2):2-19.

55. Viswanathan, Nanda, James B. Pick, W. James Hettrick, and Elliott Ellsworth. 2005. "An Analysis of Commonality in the Twin Metropolitan Areas of San Diego, California and Tijuana, Mexico," *Journal of Socio-Economic Planning Sciences* 39:57-79.

56. Azari, Rasool and James B. Pick. 2005. "Technology and Society: Socioeconomic Influences on Technological Sectors for United States Counties," *International Journal of Information Management*, 25(1):25-37.

57. Pick, James B., and Rasool Azari. 2008. "Global Digital Divide: Influence of Socioeconomic, Governmental, and Accessibility Factors on Information Technology." *Information Technology for Development* 14(2):91-115.

58. Forstall, Richard L., Richard P. Greene, and James B. Pick. 2009. "Which are the Largest? Why Published Lists of Major Urban Areas Vary So Greatly." *Journal of Economic and Social Geography (Tijdschrift Voor Economische en Sociale Geografie),* 100(3):277-297.

59. Pick, James B. and Hindupur Ramakrishna. 2009. "Impact of Global Sourcing of Talent on Graduate IS Curriculum: One Approach to Redesign." *Journal of Information Technology Case and Applications Research* 11(4):60-84.

60. Pick, James B. 2010. "Web and Mobile Spatial Decision Support as Innovations: Comparison of United States and Hong Kong, China" *Annals of Information Systems*, Vol 14, D. Schuff, D. Paradice, F. Burstein, D.J. Power, and R. Sharda (eds), Volume titled *Decision Support: An Examination of the DSS Discipline*, pp. 83-112.

61. Pick, James B. and Rasool Azari. 2011. "A Global Model of Utilization of Technology based on Governmental, Social, Economic, and Business Investment Factors." *Journal of Management Information Systems*, 28(1):51-85.

62. Gollakota, Kamala, James B. Pick, and P. Sathyapriya. 2012. "Using Technology to Alleviate Poverty: Use and Acceptance of Telecenters in Rural India. *Information Technology for Development*, 18(3):185-208

63. Greene, Richard P., and James B. Pick. 2013. "Shifting Patterns of Suburban Dominance: the case of Chicago from 2000 to 2010." *Journal of Maps*, 9(2):178-182.

64. Pick, James B., Tetsushi Nishida, and Xi Zhang. 2013. "Determinants of China's Technology Utilization and Availability 2006-2009: A Spatial Analysis." *The Information Society*, 29(1):26-48.

65. Pick, James B., Kamala Gollakota, and Manju Singh. 2014. "Technology for Development: Understanding Influences on Use of Rural Telecenters in India." *Information Technology for Development* 20(4):296-323.

66. Nishida, Tetsushi, James B. Pick, and Avijit Sarkar. 2014. "Japan's Prefectural Digital Divide: Multivariate and Spatial Analysis." *Telecommunications Policy* 38(11):992-1010.

67. Pick, James B., Avijit Sarkar, and Jeremy Johnson. 2015. "United States Digital Divide: State Level Analysis of Spatial Clustering and Multivariate Determinants of ICT Utilization." *Socio-Economic Planning Sciences*, 49:16-32.

68. Pick, James B., and Tetsushi Nishida. 2015. "Digital divides in the world and its regions: A spatial and multivariate analysis of technological utilization." *Technological Forecasting and Social Change*, 91:1-17.

69. Farkas, Dan, Brian Hilton, James Pick, Hindupur Ramakrishna, Avijit Sarkar, and Namchul Shin. 2015. "A Tutorial on Geographic Information Systems: A Ten-year Update." *Communications of the Association for Information Systems*, 38, Article 9. Available at http://aisel.aisnet.org/cais/vol38/iss1/9 .

70. Pick, James B., Ozgur Turetken, Amit Deokar, and Avijit Sarkar. 2017. "Location Analytics and Decision Support: Reflections on Recent Advancements, a Research Framework, and the Path Ahead. *Decision Support Systems* 99:1-8.

71. Pick, James B. 2017. "Smart cities in US and worldwide: Rich arena for MIS studies." *Journal of Information Technology Case and Application Research* 19(3):1-12.

72. Sarkar, Avijit, Mehrdad Koohikamali, and J.B. Pick. 2019. "Spatial and Socioeconomic Analysis of Host Participation in the Shard Accommodation Economy – Airbnb in New York City." *Information*

Technology and People. Special issue on Sharing Economy, published online. DOI 10.1108/ITP-10-2018-0481

73. Pick, James B., Avijit Sarkar, and Jessica Rosales. 2019. "A Spatial and Regression Analysis of Social Media in the Unites States Counties." *International Journal on Geo-Information* 8(11), 424, published online doi:10.3390/ijgi8090424.

74. Gollakota, Kamala, and James B. Pick. 2019. Resistance to change perspective on non-users of telecenters. *Electronic Journal of Information Systems in Developing Countries*, 86(3), e12127. online. DOI 10.1002.isd2.12127.

75. Pick, J.B., Sarkar, A., and Parrish, E. 2020. "The Latin American and Caribbean Digital Divide: A Geospatial and Multivariate Analysis" *Information Technology for Development.* 27(2) 235-262. DOI http://dx.doi.org/10.1080/02681102.2020.1805398.

76. Gollakota, Kamala, James B. Pick, and Manju Singh. 2022. "Does Purpose of Use Matter? Influences on Developmental Use Versus Personal Use By Low-Income Farmers." *Information Technology for Development*. 28(1):111-136. DOI: 10.1080/02681102.2020.1811944 .

77. Pick, J.B., Koohikamali, M., and Justin Dunaway-Perez. 2022. "Management and Mitigation of Location Privacy Violations: Case Study Analysis of Local Governments." *The Information Society* 38(2):147-164. DOI 10.1080/01972243.2022.2027833.

III.. BOOK CHAPTERS (refereed)

78. Boughey, A.S., J.B. Pick, and G.A. Schick. 1973. "A Migration Model." In Dyke, Bennett and McClure, Jean (eds.), *Computer Simulation in Human Population Studies*. New York, Academic Press, 379-419.

79. Pick, James B. 1974. Co-author of Section Two. "Components: Population, Physical Structure and Resources." In Stearns, Forrest and Tom Montag (eds.), *The Urban Ecosystem: A Holistic Approach*. Stroudsburg, Pennsylvania: Dowden, Hutchinson, and Ross, 68-114.

80. Pick, James B. and Edgar W. Butler. 1979. "Sociological Impact." In Edmunds, Stahrl W. Edmunds and Adam Z. Rose (eds.), *Geothermal Energy and Regional Development*. New York: Praeger Publishers, 122-161.

81. Pick, James B. and Edgar W. Butler. 1979. "An Overview of Socioeconomic and Environmental Studies of Geothermal Development in the Imperial Valley." In Elders, W.A. (ed.), *Geology and Geothermics of the Salton Trough*, Guidebook prepared for the Geological Society of America 92nd Annual Meeting, Riverside, CA, University of California, Riverside, Campus Museum Contributions No. 5, 77-81.

82. Butler, Edgar W., James B. Pick, and Glenda Jones. 1991. "An Examination of the Official Results of the 1988 Mexican Presidential Election," in Edgar W. Butler and Jorge Bustamante (eds.), *Sucesion Presidencial: Bi-National Reflections*, Westview Press, pp. 13-44.

83. Butler, Edgar W., James B. Pick, and Glenda Tellis. 1991. "Political Change in the Mexican

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197. Pick, James B., Edgar W. Butler, Swapan Nag, and Glenda Tellis. 1986. "Socioeconomic Effects on Fertility in Mexican Border State Municipios, 1980." *Proceedings of the American Statistical Association*, Social Statistics Section, pp. 373-378.

198. Pick, James B., Glenda Tellis, and Edgar W. Butler. 1987. Socioeconomic Characteristics of the Mexican Oil Region. *Proceedings of the American Statistical Association*, Social Statistics Section, pp. 483-489.

199. Pick, James B., Edgar W. Butler, and Glenda L. Tellis. 1989. "Socioeconomic inequality in the U.S.-Mexico Borderlands. *Proceedings of the American Statistical Association*, Social Statistics Section, pp. 326-332.

200. Pick, James B. 1990. "The 1989 National Art Museum Computer Survey." *Spectra* 17(2):1-6.

201. James B. and Edgar W. Butler. 1996. "Application of Cluster Analysis to Study of Urban Growth and Differentiation." *Proceedings of the American Statistical Association*, Social Statistics Section, Alexandria, Virginia, American Statistical Association, pp. 62-67.

202. Jenks-Jay, Nan, James B. Pick, and Teri Tompkins. 1997. "The University of Redlands and USDA Forest Service Graduate Certificate in Environmental Management: A Shift from Traditional Training to Higher Education." *Proceedings of 1997 ESRI User Conference*, Redlands, California, Environmental Systems Research Institute, full paper available on CD-ROM (see Interdisciplinary Track).

203. Pick, James B., Edgar W. Butler, and W. James Hettrick. 1997. "Spatial Distribution, Correlations, and Projections of the Labor Force in Metropolitan Mexico City, 1990." *Proceedings of the American Statistical Association*, Section on Statistical Graphics, pp. 52-57.

204. Pick, James B., Nanda Viswanathan, W. James Hettrick, and Elliott Ellsworth. 1999. "Spatial and Cluster Analyses of Urban Patterns and Binational Commonalities in the Mexicali and Imperial County Twin Metropolitan Region." *Proceedings of the American Statistical Association*, Section on Statistical Graphics, pp. 83-88.

205. Pick, James B., Nanda Viswanathan, James Hettrick, and Katsumi Funakoshi. 2000. Spatial Measurement of Binationality in the Twin Cities of Ciudad Juarez, Mexico, and El Paso, Texas, USA." *Proceedings of the American Statistical Association*, Social Statistics Section.

206. Hettrick, W. James, James B. Pick, Doug Mende, and Elliott Ellsworth. 2000. "Providing Consistent and Flexible GIS for the U.S. Mexico Border: An Integrated Dual-Census Data-base Design." *Proceedings of Twentieth Annual ESRI International User Conference*. Professional Papers. 11 pp. on Proceedings CD-ROM. Redlands: Environmental Systems Research Institute.

207. Viswanathan, Nanda, and James B. Pick. 2000. "E-Commerce in India: Perspectives and Challenges." *Bitworld 2000 Conference Proceedings: Business Information Technology Management: Leveraging International Opportunities*. CD-ROM. Mexico City, Mexico: Bitworld 2000. Sponsored by BIT, Manchester Metropolitan University, Manchester, England.

208. Pick, James B., Richard Greene, and Lisa Farrington. 2000. "Design Of Conceptual And Application Based GIS College Instructional System." *Bitworld 2000 Conference Proceedings: Business Information Technology Management: Leveraging International Opportunities*. CD-ROM. Mexico City, Mexico: Bitworld 2000. Sponsored by BIT, Manchester Metropolitan University, Manchester, England.

209. James B. Pick, W. James Hettrick, Doug Mende, And Katsumi Funakoshi. 2000. "Constructing Multi-Census Geographical Information Systems: Practical and Theoretical Issues And Solutions." *Bitworld 2000 Conference Proceedings: Business Information Technology Management: Leveraging International Opportunities*. CD-ROM. Mexico City, Mexico: Bitworld 2000. Sponsored by BIT, Manchester Metropolitan University, Manchester, England.

210. Navarrete, Carlos and James B. Pick. 2000. "Information Technology Investment and the Value of the Firms: The Mexican Banking Case, " in Hackney, Ray, *E-Futures: Proceedings of 10th Annual BIT Conference*, Manchester: The Business School: Manchester Metropolitan

University.   CD-ROM. 21 pages.

211. Pick, James B. 2007. "Stimulating Information Technology Research in Latin America: The Case Example of a Journal Special Issue, " in Sajda Qureshi and Doug Vogel (editors), *Monograph of the HICSS 40 Symposium on Information Technology Application in Emerging Economies: Strategies, Best Practices, Theories and Tools and Techniques*, Honolulu, Hawaii, Hawaii International Conference on System Sciences.

212. Romano, Nicholas C., James B. Pick, and Narcyz Roztocki. 2010. Cross-Organizational and Cross-Border IS/IT Collaboration Minitrack Introduction. Honolulu, Hawaii, *Proceedings of Hawaii International Conference on System Sciences*. (HICSS-43)

213. Romano, Nicholas C., James B. Pick, and Narcyz Roztock. 2011. Cross-Organizational and Cross-Border IS/IT Collaboration Minitrack Introduction. Honolulu, Hawaii, *Proceedings of Hawaii International Conference on System Sciences* (HICSS-44).

214. Romano, Nicholas C., and James B. Pick. 2012. Cross-Organizational and Cross-Border IS/IT Collaboration Minitrack Introduction. Honolulu, Hawaii, *Proceedings of Hawaii International Conference on System Sciences* (HICSS-45).

215. Romano, Nicholas C., and James B. Pick. 2013. Introduction to Cross-Organizational and Cross-Border IS/IT Collaboration Minitrack. Honolulu, Hawaii, *Proceedings of Hawaii International Conference on Systems Sciences* (HICSS-46).

216. Pick, James B., and Nicholas Romano. 2014. Introduction to Cross-Organizational and Cross-Border IS/IT Collaboration Minitrack. Honolulu, Hawaii, *Proceedings of Hawaii International Conference on Systems Sciences* (HICSS-47).

217. Kamal, Mehruz, Sajda Qureshi, and James Pick. 2014. Introduction to the Information Technology for Development Minitrack. Honolulu, Hawaii, *Proceedings of Hawaii International Conference on Systems Sciences* (HICSS-47).

218. Pick, James B., and Avijit Sarkar. 2022. Introduction to Minitrack on Location Intelligence. Honolulu, Hawaii, *Proceedings of Hawaii International Conference on Systems Sciences* (HICSS-54).

219. Pick, James B., and Avijit Sarkar. 2023. Introduction to Minitrack on Location Analytics for System Sciences Research, *Proceedings of Hawaii International Conference on Systems Sciences* (HICSS-55).

 VII. CONFERENCE PROCEEDINGS EDITED VOLUME

220. Perry, Monica, and James B. Pick (Editors). 2008. *Proceedings of Academic Program of 2008 ESRI Business GIS Summit.* Refereed volume. Redlands: University of Redlands. 250 pages. Available on CD from University of Redlands.

 VIII. BOOK ANCILLARIES

221. Pick, James B. and Hanria Egan. 1986. Instructor's Manual to accompany Book (2). Boston: PWS Publishers.

222. Egan, Hanria and James B. Pick. 1986. Student Guide to accompany Book (2). Boston: PWS Publishers.

223. Daughton, Jean S. and James B. Pick. 1986. Transparency Masters to accompany Book (2). Boston: PWS Publishers.

IX.   MANUSCRIPTS (under review, submitted, or pending submission to journals)

Sarkar, A., Ramakrishna, H., Shin, N., Pick, J., Hilton, B., and Farkas, D. (tentative author order) 2022. "Adoption of Location Analytics and GIS in MIS Research: Current Trends and Opportunities." Manuscript.

Sarkar, A., James B. Pick, and Jessica Rosales. 2022. "Multivariate and Geospatial Analysis of Technology Utilization in US Counties." Manuscript.

Sarkar, A., and Pick, J.B. 2022. "Disparities in Purposeful Internet Use in States of the US" Manuscript.

Pick, J.B. and A. Sarkar. 2022. "Location Analytics Strategies: A Case Study Analysis." Manuscript submitted to *Proceedings of Americas Conference on Information Systems*.

X.   REPORTS AND WORKING PAPERS

Pick, James B., Tae Hwan Jung and Edgar W. Butler. 1977. "Population Analysis Relative to Geothermal Development, Imperial County, California." Final Report to NSF/ERDA, Grant AER 75-08793. Riverside: University of California, Drylands Research Institute, 110 pp.

Butler, Edgar W. and James B. Pick. 1979. "Opinion About Geothermal Development in Imperial County, California, 1976." Final Report to NSF/ERDA, Grant AER 75-08793. Riverside: University of California, Drylands Research Institute, 65 pp.

Butler, Edgar W., and James B. Pick. 1979. "Leadership, Community Decisions, and Geothermal Energy Development: Imperial County, California." Final Report to Lawrence Livermore Laboratory, 26 pp.

Butler, Edgar W., Charles H. Hall, and James B. Pick. 1980. "A Study of the Influential Leaders, Power Structure, Community Decisions, and Geothermal Energy Development in Imperial County, California." Report P.O. 4679303. Livermore: Lawrence Livermore Laboratory.

Mitchell, Gary F. and James B. Pick. 1986. "GSM/VL Users Reference Manual. Riverside: Graduate School of Management,"   25 pp.

Zimmerman, Judy A., David Bobrow, and James B. Pick. 1988. "GSM/CRSP User Reference Manual, Version 1.2." Riverside: University of California, Graduate School of Management, 23 pp., plus appendix.

Bobrow, David, Judy Zimmerman, and James B. Pick. 1988. "GSM/CRSP Programming Guide." Riverside: University of California, Graduate School of Management, 31 pp., plus appendices.

Bobrow, David, James B. Pick, and Kenneth Leung. 1988. "GSM/Markstrat Users Guide." Riverside: University of California, Graduate School of Management, 30 pp., plus appendices.

Pick, James B. 1988. "The 1987 National Symphony Computer Survey: Summary of Results." Working Paper No. 88-3. Working Paper Series. Riverside: University of California, Graduate School of Management, 64 pp.

Pick, James B. 1989. "The 1989 National Art Museum Computer Survey: Summary of Results." 64 pp.

Yen, Shin Yi Bruce and James B. Pick. 1990. "Business Administration Student Information System (BASIS) Users Guide and Programming Guide, Release 1.0." Riverside: University of California, Graduate School of Management, 31 pp., plus appendices.

Information Systems Program Curriculum Review Committee (James Pick, chair). 1992. "1992 Information Systems Curriculum Proposal." 100 pp. Redlands: Whitehead Center, University of Redlands.

Whitehead College Faculty Assembly Computer Committee (James Pick, chair). 1994. "Whitehead College Computing Plan." 29 pp. Redlands: Whitehead College, University of Redlands.

Pick, James B., W. James Hettrick, Nanda Viswanathan, Elliott Ellsworth, Katsumi Funakoshi, Sarah Miggins, and Tim Turley. 1999a. *GIS Documentation: the U.S.-Mexico Twin Cities Project*. 400 pages. Sponsored by Ford Foundation. Redlands, University of Redlands.

Pick, James B., W. James Hettrick, Nanda Viswanathan, Elliott Ellsworth, Katsumi Funakoshi, Doug Mende, Sarah Miggins, and Tim Turley. 1999b. *Map Set: the U.S.-Mexico Twin Cities Project.* 400 pages. Sponsored by Ford Foundation. Redlands, University of Redlands.

Pick, James B., W. James Hettrick, Nanda Viswanathan, and Elliott Ellsworth. "Binationality in the United States-Mexico Border Twin Cities." 2000. *Final Report to the Ford Foundation on Funded Research Grant*, Executive Summary, June 30, 2000. 47 pp. Redlands: University of Redlands.

Schafer, Patricia and James B. Pick (eds.). 2000. *Summary Report of Conference, the U.S.-*

Mexico Border Twin Cities: Binational Interactions, November 1999. 100 pages. Sponsored by Ford Foundation. Redlands: University of Redlands.

Pick, James B. 2000. "Program Review Report for Bachelor of Science in Information Systems." Redlands: University of Redlands. May 22. 67 pages.

Pick, James B., Nanda K. Viswanathan, Kohei Tomita, and Swarna Keshavan. 2002. *Border Demographic Impacts on The Urban Environment and Sustainable Development of Imperial County, California, and Mexicali Municipio, Mexico.* Final Report of Research Grant sponsored by California Urban Environmental Research Center. 175 pages.

Pick, James B., Hamid Falatoon, Kamala Gollakota, Lisa Benvenuti, and Nathan Jimerson. 2007. Report on Case Study: ABC Blinds, Draperies, and Shutters. U.S. Small Business Administration Grant Report. 85 pages.

Pick, James B., Richard P. Greene, and Lee Peterson. 2008. Report on Case Study, Jacobs Appraisal and Affiliates. U.S. Small Business Administration Grant Report. 69 pages.

Pick, James B., Monica Perry, and Jessica Rosales. 2014. Renewable Energy Development and Manufacturing Potential in the Coachella Valley, California. Final Report on Renewable Energy for Award No: 07-69-06995 by U.S. Department of Commerce and Coachella Valley Economic Partnership. 163 pages.

XI. AUDIO RECORDING

"Cambios en la Fuerza Laboral Mexicana y Su Impacto en La Inmigracion." (Labor Changes in Mexico and Possible Impact on Immigration.) 1 1/4 minute. Servicio de Noticias en Espanol (Spanish News Service). Oakland, Calfornia: Cooperative Extension, U.S. Department of Agriculture, University of California.

RESEARCH GRANTS
1983-1984 Co-Principal Investigator (with Edgar W. Butler) on grant from University of California-MEXUS Consortium (7/83-6/84), "Migration and Fertility of Mexico and Its Impact on U.S. Borderlands Population and Economic Change."

1984-1985 Co-Principal Investigator (with Adalberto Aguirre) on grant from UCR-Mexico Collaborative Research and Training Group (4/84-6/85), "Interrelationships of Migration and Fertility, Baja California State and Other Areas, 1976-77."

1985-1986 Co-Principal Investigator (with Edgar Butler) on grant from University of California--MEXUS Consortium (7/85-6/86), "A Comparative Study of Growth and Differentiation in Selected Mexican Municipios."

1986-1987 Co-Principal Investigator (with Edgar Butler) on grant from University of California-MEXUS Consortium (7/86-6/87), "A Geo-Social Demographic Analysis of All Municipios in the

Republic of Mexico, 1980."

1987-1988 Principal Investigator on grant from UCR-Mexico Collaborative Research and Training Group (4/87-6/88), "Quality of Life in Mexican Municipios: Causes and Consequences."

1988 Principal Investigator on grant from UCR-Mexico Collaborative Research and Training Group (4/87-10/88), "Conference on Social Science Research in the Mexican-U.S. Borderlands."

1988-89 Principal Investigator on grant from UCR Academic Senate (10/88-6/89), "National Survey of Computer Use in Art Museums."

1989-90 Principal Investigator on grant from UCR-Mexico Collaborative Research and Training Group (4/89-6/90), "Fertility Determinants in the Central Metropolitan Zone of Mexico."

1989-90 Co-Principal Investigator on grant from UC MEXUS (6/89-6/90), "Projection of the Mexican National Labor Force, 1990-2010."

1989-90 Subcontractor co-investigator on grant, "Mexico Database Development," from Environmental Systems Research Institute Inc., Redlands, California.

1989-90 Principal Investigator on grant from UCR-Mexico Collaborative Research and Training Group (11/89-6/90), "Marital Status in Mexico, 1987."

1990-91 Co-Principal Investigator on grant from Apple Computer Inc., "Apple Computers for Management Education in the Graduate School of Management, UCR."

1990-91 Principal Investigator on grant from UCR Academic Senate (12/90-6/91), "A National Survey of Information Systems Stages of Growth and Success: A Cross-Sectional Comparison."

1991-92 Principal Investigator on grant from Whitehead Center (11/91-6/92), "The 1991 National Art Museum Computer Survey."

1992 Principal Investigator on grant from Whitehead Center (6/92-12/92), "A Geographic Information System for Mexico."

1996. Recipient of Support from Environmental Systems Research Institute to fund Participation of Selected University of Redlands Students in 1996 Annual Conference/Corporate Track.

1997. Principal Investigator, Sabbatical Research Grant from Division of Sciences and Engineering, Iberoamericana University, Mexico City.

1997. Principal on Grant from Environmental Systems Research Institute and SIGSA, Mexico City, to provide GIS Software for GIS Laboratory at Iberoamericana University, Mexico City.

1997. Principal on Grant from Armenian Relief Society of Western USA for Phase I of University of Redlands Student and Faculty Exchange Program to Yerevan University.

1998-99. Principal Investigator on Grant from University of Redlands, Faculty Review Committee, "A Study of the Spatial Distribution of Economic Sectors in Mexico."

1998-99. Principal Investigator on Grant from Ford Foundation, "Binationality in the U.S.-Mexican Border Twin Cities." $94,500 grant over one and a half years.

1999-2000. Principal Investigator on Grant from University of Redlands, Faculty Review Committee, "Spatial Analysis of Tourism and the Major Corporations of Mexico in the Late 1990s."

2000-2001. Principal on Grant from University of Redlands, Faculty Review Committee, "Twentieth Century Population, Urban, and Economic Trends for the U.S.-Mexico Border Region and Cities: Data Gathering and Analysis."

2001-2002. Principal Investigator on Grant from California Urban Environmental Research and Education Center (Cuerec), "Border Economic-Demographic Impacts on the Urban Growth and Spatial Distribution of Imperial County." $33,817 grant.

2001-2002. Principal Investigator on Grant from University of Redlands, Faculty Review Committee, "Spatial Analysis and Policy Implications of Energy Use in Relation to Population in the Mexicali Municipio."

2001-2002. Principal Investigator on Grant from School of Business, University of Redlands, "Analysis of the Spatial Distribution of Socioeconomic Characteristics and Industrial Categories for Imperial County."

2002-2003. Principal Investigator on Grant from University of Redlands, Faculty Review Committee, "Ethnicity and Poverty in the Megacities of Los Angeles, Chicago, and Mexico City."

2002-2003. Principal Investigator on Grant from School of Business, University of Redlands, "GIS Analysis of the Urban Structure of Mexican Border Cities, 2000."

2003-2004. Principal Investigator on Grant from University of Redlands, Faculty Review Committee, "Urban Migration and Residential Mobility in the United States and China."

2003-2004. Principal Investigator on Grant from School of Business, University of Redlands, "Analysis of Urban Growth and Socioeconomic Patterns in Selected U.S.-Mexico Border Sister Cities, 2000

2004-2005. Principal Investigator on Grant from University of Redlands, Faculty Review Committee, "A GIS Study of Border Regions in Transition: The U.S.-Mexico Border Cities."

2004-2005. Principal Investigator on Grant from School of Business, University of Redlands, "Urban Planning in the U.S.-Mexico Border Sister Cities."

2005-2006.   Principal Investigator on Grant from University of Redlands, Faculty Review Committee, "The Environmental Problems of the U.S. Mexico Border Cities, 1990-2005."

2006-2007. Principal Investigator on Grant from School of Business, University of Redlands, "The Strategic Competitiveness of GIS: Interview Analysis and Comparison of Findings to IT and GIS Strategic Theories."

2006-2008. Co-Principal Investigator, Associate Project Director, of Grant from U.S. Small Business Administration, "A Small Business GIS Program." $987,228 over two years.

2007-2008. Principal Investigator on Grant from University of Redlands, Faculty Review Committee, "A Case Study Analysis of Spatial Web Services."

2008-2009. Co-Principal Investigator (with Kamala Gollakota) on Grant from University of Redlands School of Business, "Evaluating Private sector ICT Initiatives in Rural India."

2009-2010. Principal Investigator on Grant from University of Redlands School of Business, "International Comparison of Spatial Web Services and Spatial Mobile Services in the United States and China/Hong Kong."

2010-2011. Principal Investigator on Grant from University of Redlands School of Business, "Spatial Statistical Analysis of Global Technology Levels."

2011-2012. Principal Investigator on Grant from University of Redlands School of Business, "Social and Economic Influences on Technology Utilization in the States of India: A Multivariate and Spatial Study."

2013-2014. Principal Investigator on Grant from University of Redlands School of Business, "Global Digital Divide: Patterns and Trends."

2014-2015. Principal Investigator on Grant from Faculty Review Committee, University of Redlands, on "Theory and Empirical Comparisons of Digital Divides in Selected Nations and Worldwide."

2015-2016. Principal Investigator on Grant from University of Redlands School of Business, "Data Gathering for Mobile Technologies in U.S. and County Level."

2015-2018. Co-Principal Investigator on Grant from Center for Spatial Studies, University of Redlands, on "Big Data and Location Analytics in Business Curricula." $30,000 for three years.

2016-2017. Principal Investigator on Grant from Faculty Review Committee, University of Redlands, on "Mobile Phone Access, Utilization, and Application for United States Counties in 2012: Spatial Patterns and Socio-Economic Correlates."

2018-2019. Principal Investigator on Grant from Faculty Review Committee, University of Redlands. "Comparison of Geospatial Distributions and Socioeconomic Influences on Airbnb Accommodations in Chicago, Los Angeles, and New York."

2018-2022. Co-Principal Investigator on "Spatial Business Initiative" from Esri Inc. University of Redlands School of Business-Esri Partnership. $1,010,000 over 4 years.

2019-2020. Co-Principal Investigator on Grant from Faculty Review Committee. University of Redlands. "Spatiotemporal Patterns and Socioeconomic Dimensions of the Sharing Economy" $5,000.

2020-2021. Principal Investigator of Grant from Faculty Review Committee, University of Redlands. "Developing a comprehensive theory of GIS strategy in businesses and pilot testing the theory with case studies." $500.

2021-2022. Principal Investigator of Grant from School of Business and Society Research Committee to support "Book Project on Digital Divide." $4,300.

2022-2023. Principal Investigator of Grant from Faculty Review Committee, University of Redlands. "Global geographical distributions and socio-economic correlates of purposeful uses of the internet and technologies in major world regions during the Covid-19 pandemic period." $1,500.

ADMINISTRATION

Director, Center for Spatial Business (CSB). 2011-2012, 2017-2019, 2020-2022.

Director and founding director of a scholarly center to stimulate, support, and integrate spatial business and location analytics for business and economics research and education.

The Center for Spatial Business seeks to develop knowledge and thought leadership about location analytics and its applications in business for researchers, practitioners, students, and the community at large. Its goals are to enhance and grow understanding of location value, spatial decision-making, and locational strategies in business through research and scholarship. CSB also develops contemporary curricula in spatial business, provides global leadership in spatial thinking for businesses and organizations, partners with companies, communities, and academic organizations to promote cooperation in furthering scientific understanding of place and location for organizational and business success.

Responsibilities include to lead in setting the vision and strategy of CSB, work with the Center's executive committee to provide currency, direction and practical relevance; generate interest and collaboration worldwide, stimulate scholarly initiatives, provide training sessions to faculty and graduate students, host visiting scholars, and supervise center staff. CSB generates ideas through annual invited speaker series which is posted online, collaborative visits of scholars from other universities, and cooperation with SIGGIS of the Association for Information Systems in presenting research workshops domestically and internationally. The speaker series from 2020-2022 has been given on a virtual platform during the Covid-19 pandemic. CSB has been funded by a corporate support including from Esri Inc., Disney, and support from the University of Redlands.

Chair, School of Business Faculty Assembly, University of Redlands, 2001-2004.

As elected chair, provided faculty governance leadership in the inaugural three years of the School of Business, having student enrollments of 900 undergraduates, 600 graduate students, and 25 full-time faculty. Responsible for shared leadership of the faculty (with the Dean) emphasizing governance and curriculum. This included approval of a new MBA Curriculum, four emphases in the MBA, revision of the M.S. in Information Technology, and revision of the undergraduate curricula in business and information systems.

Fostered key faculty linkages with other units on campus, including the university faculty assembly, School of Education assembly, the university-wide governance steering committee, and the higher administration. Represented the School on the University Council, 2003-2004.

Led in faculty input and support for salary and teaching month improvements for the business school. Led in structuring the school of business faculty into four area groups. Encouraged and provided faculty leadership for the AACSB accreditation initiative, including the action items of ethics across the curriculum and faculty accreditation inventory. Provided faculty leadership for research seed grants and RA grants to faculty. Fostered a faculty research seminar series.

Director of Information Systems Programs, School of Business, University of Redlands, 1999-2001.

Provided leadership for the Bachelor of Science in Information Systems Program (BSIS) and Master of Science in Information Technology Program (MSIT) with 330 undergraduate and 110 graduate students, 6 full time faculty positions, and about 25 full time equivalent of part-time faculty. Responsible for curricular planning, program development, and student program advising and consultation, during a period of rapid growth phase in MSIT enrollments.

Performed formal program assessment for three-year review of BSIS program and received review approval. Sponsored a program of IS faculty teaching workshops.

Led in development and implementation in 2000 of the MSIT. Performed voluntary research assessment of the MSIT program. Developed and reached agreement on a university technology support plan, recruited faculty, commenced program of electronic library support, and led in MSIT curriculum development and adjustments. Led in sponsoring the MSIT Speaker Series in 2000-2001.

Responsible for the IS Program's corporate advisory committee, consisting of 20 business and government leaders and experts.

Chair, Department of Management and Business, University of Redlands, 1995-1999.

As elected chair, provided leadership for a department with 1,250 undergraduate students, 600 graduate students, 17 full time faculty, 110 full time equivalent of part-time faculty, and three staff members. Responsible for academic decision making, strategy, planning, faculty development and recruiting, research development, and curricular design. Led a management team consisting of an associate chair and four program directors. Provided evaluation of faculty for promotion and advancement. Planned and supervised department recruiting. The chair responsibility included participation in management group i.e. the college executive committee and the college chairs meetings. Provided liaison with other college and campus units and departments. Responsible for two-million dollar budget.

Accomplishments included development of a research grants program, initiation of college-wide research center, and upgrade of department computer systems and networking. Curricular achievements included support of revisions of the undergraduate business curriculum - the largest major at the university, implementation of major revisions in three other degree curricula, supporting and sponsoring a new Master of Arts in Management curriculum, support and development of a new undergraduate information systems curriculum conforming to national model curricular standards.

Led in development of the international programs including expansion of the Cambridge University exchange program, procurement of an outside grant to explore an exchange program with Yerevan University in Armenia, and start of feasibility studies of exchange programs with

China and Asia.

Co-leader of faculty task force to examine AACSB accreditation at the university, 1997.

Member of President's Commission on the Future of Business Programs, 1998.
   These university planning group initiated planning for the long term, strategic roles of the business programs at University of Redlands and their potential quality improvements, leading to the University of Redlands business school, inaugurated in 2001. Examined further the feasibility of the AACSB accreditation process for the prospective business school.

Director of the Information Management Program, University of Redlands, 1991-1995.

   Responsible for the academic leadership of information systems programs having enrollments of 200, which included an undergraduate degree (B.S. in Information Systems), IS emphasis in the MBA Program, and information systems courses in the MBA and undergraduate Business and Management programs.

   Provided faculty leadership for the information systems area. Provided leadership in strategic planning of the program, curricular design, course design, management of instructional training and seminars, internal evaluation of the program, recruiting of faculty, student advising, and internal and external funding and grants. Led in implementing a new comprehensive curriculum for the Information Management Program and information systems emphasis in the MBA Program.

   Obtained internal funding to acquire, implement, and, upgrade LAN-based instructional computing laboratories. Provided faculty leadership to plan and develop a comprehensive academic computing plan. Initiated the Corporate Advisory Committee for the Information Systems Program.

Co-Director, U.S.-Mexico Database Project, University of California, Riverside, 1988 to 1991.

   Co-directed a research group consisting of two faculty and a group of doctoral and masters students. The Project developed a large computerized Geographic Information System (GIS) on the states, municipios, and metropolitan areas of Mexico. Information on economic and social trends was computerized from a variety of governmental and private sources for sophisticated statistical analysis, spatial analysis, generation of maps, and computer graphics. The project produced several books and dozens of articles and reports. It provided training in graduate research for a group of graduate students in the management school and sociology department. The project interacted with research institutes and universities in the U.S. and Mexico including U.C. Irvine, El Colegio de Mexico, El Colegio de la Frontera Norte, and Instituto Nacional de Estadistica, Geografia e Informatica (INEGI). Sponsored by University of California grants supporting research studies on Mexican demography, sociology, and applied geographic information systems.

Director of Computing, Graduate School of Management, University of California, Riverside, 1984-1991.

   Leadership responsibility for computer planning and support in UCR's Graduate School of Management and the Department of Business Administration, encompassing 30 faculty and over

800 students. Responsibilities to lead GSM Computing, a computer consulting group; design and implement the GSM Microcomputer Facility, develop and plan for computerization of a new Management Building, implement a modern office information and student records system for the school, and implement advanced research data-bases for finance faculty research group. Developed MBA internship program in information systems in industry and government in the Inland Empire. Achieved grant funding from IBM, Apple for donation of a Macintosh Laboratory, Prime Computing, and MODEL Inc.

LIST OF PROFESSIONAL ACTIVITY AND SERVICE

1. PROFESSIONAL ACTIVITY

PROFESSIONAL SOCIETY BOARDS

Division Director, Division 22 Regional Board (Southern California and Arizona), Association for Systems Management (1979-1982).

Member, Board of Governors of Pacific Coast Council on Latin American Studies (1989-92).

Member, Executive Council, Association of Borderlands Scholars (1989-1992; 2000-2003).

Member, Executive Council, Information Resources Management Association (2003-2006).

PROFESSIONAL SOCIETY OFFICES

Treasurer (1977-78), President (1978-1979), Orange County Chapter, Association for Systems Management (Association for Systems Management).

Secretary-Treasurer (1979-1980), Vice Chairman (1980-1981), Chairman (1981-1982), Division 22 Regional Board, Association for Systems Management.

Vice President (2000-2001), President-Elect (2001-2002), President (2002-2003), Association for Borderlands Studies

Chair (2013-2017), Past-Chair (2017-2019). Special Interest Group on Geographic Information Systems (SIGGIS), Association for Information Systems.

NATIONAL CURRICULUM TASK FORCE

Member, IS '97 Task Force (1994-1996). This task force, sponsored by the Data Processing Management Association, Association for Computing Machinery, and International Conference on Information Systems, developed the National Model Curriculum for a Four Year Undergraduate Degree in Information Systems (IS '97). The model curriculum formed a basis for curricular decisions at the time by over 1,000 information systems programs in the U.S. and overseas.

SCHOLARLY AND PROFESSIONAL SOCIETIES

Association for Borderlands Studies, Association for Information Systems, Association for Computing Machinery Lifetime Member, Association of American Geographers, Association for Information Systems, INFORMS (College on Information Systems), American Sociological Association, Fulbright Association, Population Association of America, International Union for the Scientific Study of Population.

JOURNAL BOARDS OF EDITORS

current.

Senior Editor, *Information Technology for Development*, 2019-present.
Associate Editor, 2007-2019.

Prior
Global Associate Editor, *Journal of Information Technology Case and Application Research*, 2002-2021.

Senior Associate Editor, *European Journal of Information Systems*, 2012-2018.
Associate Editor, 2010-2012; 2019-2022.

Managing Guest Editor, *Decision Support Systems*, 2016-2017.

Member, Board of Editors, *The Database for Advances in Information Systems (formerly Computer Personnel)*, Association of Computing Machinery, 1991-2002.

Member, Editorial Board, *Frontera Norte,* Sponsored by El Colegio de la Frontera Norte, Tijuana, Mexico, 2006-2010.

Member, Editorial Board, *Journal of Latin America and the Caribbean of the Association of Information Systems,* (*Revista Latinoamericana y del Caribe de la Asociación de Sistemas de Información (RELCASI)*, Association for Information Systems, 2007-2018.

Member, Editorial Board, *Journal of Borderlands Studies*, 1999-2020.

CO-EDITOR OF SPECIAL ISSUES OF JOURNALS

Co-Editor (with Narcyz Roztocki and Carlos Navarrete) of Special Issue on *Electronic Journal of Information Systems in Developing Countries*, 2004, Volume 19, on "IT Investments in Developing Countries."

Co-Editor (with Narcyz Roztocki) of Special Issue of *The Journal of Information Science and Technology*, 2005, Volume 2, No. 4, on "IT Investments in Emerging Economies."

Co-Editor (with Nicholas C. Romano Jr. and Narcyz Roztocki) of Special Issue of *Journal of Information Technology Theory and Application* (JITTA), Volume 8, No. 4, 2007 on "Collaboration Issues in Cross-Organizational and Cross-Border IT."

Co-Editor (with Martha Garcia-Murillo and Carlos Navarrete) of Special Issue of *Journal of Information Technology for Development*, 2007, Volume 13, No. 3, on "IT Advances in Latin America."

Co-Editor (with Nicholas C. Romano Jr. and Narcyz Roztocki) of Two Special Issues of *International Journal of Electronic Collaboration*, Volume 5, No. 1, 2008, and Volume 5, No. 2, 2009 on "Cross-Cultural and Cross-Organizational Electronic Collaboration."

Co-Editor (with Martha Garcia-Murillo and Carlos Navarrete) of First Issue of *Revista Latinoamericana y del Caribe de la Associación de Sistemas de Información (Journal of Latin America and the Caribbean of the Association of Information Systems)*, 2008, Volume 1, No. 1.

Co-Editor (with Nicholas C. Romano Jr. and Narcyz Roztocki) of Special Issue of *European Journal of Information Systems* on "Cross-Organizational and Cross-Border IS/IT Collaboration," 2010, Volume 19, No. 2.

Co-Editor (with Nicholas C. Romano Jr.) of Special Issue of *Electronic Markets"* on "Cross-Organizational and Cross-Border IS/IT Collaboration," 2012, Volume 22, No. 1.

Managing Guest Editor (with Guest Co-Editors, Avijit Sarkar, Ozgur Turetken, and Amit Deokar) of Special Issue of *Decision Support Systems* on "Location Analytics and Decision Support," Volume 99, 2017.

Guest Editor of Special Issue on "Convergence of GIS and Social Media," for *ISPRS International Journal of Geo-Information*. 2020. See
https://www.mdpi.com/journal/ijgi/special_issues/media

REVIEWER

Reviewer for Academic Journals:
AIMS Environmental Science, Axioms, Biodemography and Social Biology, British Journal of Sociology, Computer Personnel, *Data-Base*, *Decision Support Systems*, *Environmental Management, European Journal of Information Systems, Frontera Norte, Government Information Quarterly, Growth and Change, IEEE Transactions on Engineering Management, Information Systems Management, Journal of Borderlands Studies*, *Journal of Management Information Systems, Frontera Norte, Information Systems for Development, Information Technology for Development, International Journal of Information Management*, *International Journal of Electronic Business, International Journal of Comparative Sociology, International Journal of Electronic Commerce, International Journal of Management and Decision Making, Journal of Applied Geography*, *Journal of Computer and Mathematical Modelling*, *Journal of the Association for Information Science and Technology, Journal of Global Information Technology Management*, *Journal of Information Systems, Journal of Information Technology Case and Application Research*, *Mexican Studies, MIS Quarterly*, *OMEGA*, *Social Science Computer Review*, *Social Science Journal, South Asian Journal of Global Business Research, Technology in Society, Telecommunications Policy, Telematics and Informatics, The Information Society, The Professional Geographer, Urban Geography.*

Reviewer for Academic Conferences:
America's Conference on Information Systems (AMCIS) Conference Proceedings, European Conference on Information Systems Proceedings (ECIS), Hawaiian International Conference on System Sciences (HICSS), International Conference on Information Systems (ICIS) Proceedings, and other proceedings.

Reviewer of Books for Publishers:
Academic Press (entire book), John Wiley and Sons (entire book), Springer Verlag (book chapters), IGI Global (entire book),

CHAIRS WORKSHOPS

Participant in Department Chairs Workshop, Pacific Sociological Association, San Francisco, California, April 6, 1995.

Participant in AACSB Department Chairs Development Workshop, Nashville Tennessee, Accreditation Association of Collegiate Schools of Business, February 29-March 7, 1996.

Participant in Workshop on Chairing the Academic Department, American Council on Education, San Diego, California, February 18-21, 1998.

PAPERS PRESENTED SINCE 2000
(Note: 133 papers presented 1972 to October, 1999 are not listed here.)

"U.S.-Mexico Twin Cities Project - Findings on Binationality Within and Among the Twin Cities" (with Nanda Viswanathan), Binational Workshop, "The U.S.-Mexico Border Twin Cities: Binational Interactions." November 9-12, 1999. University of Redlands.

"U.S./Mexico Panel," (with Edgar Butler and W. James Hettrick). Urban Studies Association, Cities in Global Perspective Track, May 6, 2000, forthcoming.

Panelist for theme on Economic Development. "The NAFTA Corridor: Building the Vision." Conference. Ontario, California. Sponsored by Inland Empire Economic Partnership. Friday, January 21, 2000.

"The NAFTA Corridor: The Perspective of Mexico." Talk to Riverside East Rotary Club, Riverside, California, March 8, 2000.

"Comparative Studies of Borderlands," (with Sarah Miggins). Plenary Panel Session: Theoretical Approaches and Comparative Studies on Borderlands. Annual Meeting of Association for Borderlands Studies, Tijuana, Mexico, April 27, 2000.

"Recent Socio-Demographic Municipio Trends in the Mexican Borderlands: Results of a Spatial Study of 1990 Mexican Census of Population Data." (with Tim Turley, Doug Mende, and Katsumi Funakoshi. Annual Meeting of Association for Borderlands Studies, San Diego, California, April 29, 2000.

"A Comparative Study of the Mexican Border Twin Cities," (with Nanda Viswanathan, W. James Hettrick, and Sarah Miggins. Annual Meeting of Association for Borderlands Studies, San Diego, California, April 29, 2000.

"Cities in a Global Perspective" (panel participant with Edgar W. Butler and Jesus Tamayo). U.S.-Mexico Panel. Annual Meeting of Urban Affairs Association, Los Angeles, California, Saturday, May 6, 2000.

"Spatial Analysis to Determine Optimal Siting of Added Used Oil Recycling Locations in Western Riverside County, California," (with Alan Crouse). INFORMS Spring Meeting. Salt Lake City, Utah, May 10, 2000.

"Constructing Multi-Census Geographical Information Systems: Practical and Theoretical Issues and Solutions" (with W. James Hettrick, Doug Mende, and Katsumi Funakoshi), Bitworld/2000. June 1-3, 2000, Universidad Iberoamericana, Mexico City, Mexico. June 1-3, 2000.

"Design of CD-ROM and Web-Based GIS College Instructional System For Non-Majors" (with Richard Greene and Lisa Farrington), Bitworld/2000. June 1-3, 2000, Universidad Iberoamericana, Mexico City, Mexico. June 1-3, 2000.

"E-Commerce in India : Perspectives and Challenges" (with Nanda Viswanathan), Bitworld/2000. June 1-3, 2000, Universidad Iberoamericana, Mexico City, Mexico. June 1-3, 2000.

"A Study of the Urban Structure and Extent of Binationality in The Twin Metropolitan Areas of Ciudad Juárez, Mexico, and El Paso, Texas" (with Nanda K. Viswanathan and Tim Turley.) Reunion de SOMEDE, July 31-August 4, 2000.

"Spatial Measurement of Binationality in the Twin Cities of Ciudad Juarez, Mexico, and El Paso, Texas, USA." (with Nanda Viswanathan, W. James Hettrick, and Katsumi Funakoshi). Joint Statistical Meetings, Indianapolis, Indiana, August 15, 2000.

"Mexico in the World Economy." Talk to Inland Empire Rotary Club, Yucaipa, California, September 12, 2000.

"Mexico and Mexico City: Studying Population and Economic Growth and Change." Outstanding Research Award Presentation. Sponsored by University of Redlands AAUP Chapter, Redlands, California, November 7, 2000.

"Information Technology Investment and Performance: The Case of the Mexican Banking Industry." Paper presented at American Association of Business and Behavioral Sciences Annual Meeting, Las Vegas, Nevada, February 25, 2001.

"Maquiladora Industry in Mexican Border Cities: Geographical Distribution and Economic Trends." Paper presented at Annual Meeting of Association for Borderlands Studies, Reno, Nevada, April 19, 2001.

"Urban Planning in the U.S.-Mexico Border Cities." Paper presented at Annual Meeting of Association for Borderlands Studies, Reno, Nevada, April 19, 2001.

"Geographical Distribution and Commonality in the South Texas-Northeast Mexico Border Cities." Paper presented at Annual Meeting of Association for Borderlands Studies, Reno, Nevada, April 19, 2001.

"Success Factors for Industry-University Collaboration through IS Industry Boards: A Mexican Case Study," 2nd Annual Global Information Technology Management Association Conference, Dallas, Texas, June 10-12, 2001.

"Population and Environmental Study of the U.S.-Mexico Border Counties and Municipios." Presentation at Population Division, U.S. Census,, Suitland, Maryland, Sept. 27, 2002

"Case Study Methodology to Study Corporate Decision-Making for Wireless Cell Phone Deployment." (with Keith Roberts). Paper presented at Information Systems Research Methods Workshop, Barcelona, Spain, December, 2002.

"Border Metropolis." Member of discussion panel of meeting, Binational Planning and Crossborder Cooperation, Ciudad Juárez, Mexico, November 15-16, 2001.

"Programas de Estudios en Telecomunicaciones en Los Estados Unidos." Invited seminar at CIDE, Mexico City, January 23, 2003.

"The Digital Divide: Socioeconomic Influence on Technological Sectors for the United States." (with Rasool Azari). Invited seminar at CIDE, Mexico City, January 23, 2003.

"U.S.-Mexico Border Region Economic and Social Planning in the Context of a Theory of Border Interchange." (with Sarah Miggins and Nanda Viswanathan). Annual Meeting of American Society of Business and Behavioral Sciences, Economics IV: Urban and Regional Track, Las Vegas, Nevada, February 21, 2003.

"A Comparative Study of Ethnicity, Immigration, and Poverty Impacts in Los Angeles County, 1990-2000." (with Richard P. Greene and John Stager). Paper Presented at American Association of Geographers Annual Meeting, New Orleans, March 8, 2003.

"Population and Urban Change in the U.S.-Mexico Border Cities, 1900-2020. Paper Presented at the 2003 Meeting of the Latin American Studies Association, Dallas, Texas, March 27, 2003.

"Poverty in Mexico, 1990-2020." James Pick and Maria-Antonieta Rebeil. Poster session paper presented at Population Association of America Annual Meeting, Minneapolis, Minnesota, May 1, 2003.

"Cell Phone Adoption in Corporations." Invited Seminar Presented at Instituto Tecnológico Autónomo de México, Mexico City, January 13, 2004.

"GIS in Business." Invited Seminar Presented at Instituto Tecnológico Autónomo de México, Mexico City, January 14, 2004.

"Comparison of Spatial Distributions of Demographic and Socioeconomic Characteristics in 2000 and Rank Mobility Index Changes 1990-2000 for Urban Places in the Chicago and Los Angeles CMSAs," (with Richard M. Greene and John Stager), Annual Meeting of the Association of American Geographers, New Orleans, Louisiana. March 17-20, 2004.

"Urban Development Comparisons between Chicago and Los Angeles" (with Richard M. Greene), Annual Meeting of the Association of American Geographers, New Orleans, Louisiana. March 17-20, 2004.

"The Global Digital Divide: Socio-Economic Correlates of Information And Communication Technologies." (with Rasool Azari). Paper presented at Annual Meeting of the Global Information Technology Management Association, San Diego, California, June 13, 2004.

"Which are the Largest? Why Published Populations for Major World Urban Areas Vary So Greatly," City Futures Conference, sponsored by University of Illinois at Chicago, Chicago, July 9, 2004.

"GIS in Business." Invited Tutorial at Annual Meeting of Association for Information Systems, New York City, August 6, 2004.

"A New Teaching Paradigm for Urban Geography: Integrating GIS with Urban Theory and Concepts." (with Richard P. Greene). 56th Annual Meeting of the West Lakes Division of the Association of American Geographers and 58th Annual Meeting of the Wisconsin Geographical Society." Oshkosh, Wisconsin, October 7-9, 2004.

"Mexico-United States Border Cities 2000: A Study in Demographic Growth." Meeting of Latin American Studies Association, Las Vegas, Nevada, October 9, 2004.

"GIS in Business: Its Applications to Applied Demography." Invited DASA Seminar, University of California, Irvine, Friday, October 15, 2004.

"Cost-Benefit Analysis Of Geographic Information Systems in Business: A Conceptual Framework," Annual Meeting of Decision Science Institute, Boston, Massachusetts, November 20-23, 2004.

"The Ethical and Security Aspects of Geographic Information Systems in Business: A Case Study Analysis." ISOneWorld Conference, Las Vegas, Nevada, March 31, 2005.

"Ethical and Social Issues of Geographic Information Systems: The International Aspects." GITM 2005 World Conference, Anchorage, Alaska, June 5-7, 2005.

"Globalization And Information Assurance: Issues, Trends, And Challenges,' Panel participant. GITM 2005 World Conference, Anchorage, Alaska, June 5-7, 2005.

"Urban Socioeconomic Attribute Differences in the Border Areas of Imperial County, California, USA, and Mexicali, Baja California, Mexico, " Poster Paper at XXV International Population Conference, Tours, France, July 23, 2005.

"Exploring the Urban Community." Presentation in Newport Beach Public Library Manuscript Series. Sponsored by Newport Beach Public Library Foundation. October 11, 2005.

"The U.S.-Mexico Border Sister Cities: Population Growth and Urban Spatial Structure." Presentation to Seminar Series in Department of Planning, Policy, and Design, School of Social Ecology, University of California Irvine, October 13, 2005.

"GIS as a Technique for Studying Cities." Talk in GIS Brown Bag Series, UCIrvine Libraries, University of California Irvine, October 21, 2005.

"Geographic Information Technologies: A New Factor in Gaining Advantage in Business." Invited Keynote Address to 18th National Congress and 4th International Congress of Informatics and Computation (ANIEI), Torreón, Coahuila, México, October 27, 2005.

"A Framework for Spatial Technologies in Business," Presentation to CRITO Hour, November 4, 2005. Center for Research on Information Technology and Organizations, University of California, Irvine, November 4, 2005.

"Demographic Growth, Urban Spatial Structure, and Urban Planning for the Sister Cities of the U.S.-Mexico Border." Presentation to Colloquium of Center for Research on Immigration, Population, and Public Policy, School of Social Sciences, University of California, Irvine, November 18, 2005.

"Enterprise-wide Spatial Web Integration: Case Study Analysis of Company Strategies," 2006 Business GeoInfo Summit, Boston, Massachusetts, May 1-2, 2006, paper submitted to conference.

"Company Strategies for Enterprise-wide Spatial Web Integration: A Case Study Analysis," Paper presented in Research Series, School of Business, University of Redlands, May 11, 2006.

"A Framework for Research on DSS and Geographic Information/Analysis." Paper presented in Research Series, School of Business, University of Redlands, May 18, 2006.

"Global Digital Divide: The Role of Socioeconomic Factors on Information Technology Usage and Expenditure," Paper presented in Research Series, School of Business, University of Redlands, June 2, 2006 (with Rasool Azari).

"Retos y Oportunidades de Investigación en Latinoamérica" ("Challenges and Opportunities for Research in Latin America"), with Martha Garcia-Murillo and Carlos Navarrete. Panel presented at Americas Conference on Information Systems, Acapulco, Mexico, August 6, 2006.

"Spatial Enterprise Applications in Business." Paper presented at University of Redlands/ESRI Weekly Colloquium, November 8, 2006.

"Data Warehouses and GIS." Paper presented in Research Series, School of Business, University of Redlands, December 6, 2006.

"Extending GIS Strategic Theories" Paper presented in Research Series, School of Business, University of Redlands, December 12, 2007.

"Geo-Business." Talk to Students in School of Public Administration, Northern Illinois University DeKalb, Illinois, *January 16, 2008*

"Geo-Business: GIS in the Digital Organization." Talk in Manuscript Series, Newport Beach Public Library, Sponsored by Newport Beach Library Foundation. April 10, 2008.

"GIS in Small Enterprises: A Case Study Analysis and Framework." Paper presented at Annual Meeting of Association of American Geographers, Boston, MA, April 14-19, 2008.

"GIS for Advantage in Marketing and Routing: Case Study of a Small Home Accessories Firm." Paper presented at ESRI Business GIS Summit, Chicago, IL, April 27-30, 2008.

"GIS in the Digital Organization," Research Seminar at University College, Dublin, June 17, 2008.

"GIS." Talk to Southern California/Orange County CIO Breakfast Round Table, Costa Mesa, California, October 9, 2008.

"Give Your Business a Strategic Advantage using Business Intelligence and Electronic Mapping." Co-presenter with Monica Perry of Workshop for Massachusetts Small Business Development Center Network, October 20, 2008. Sponsored by U.S. Small Business Administration.

"Case Study: Jacobs Appraisal Group." Co presenter with Richard P. Greene for Business Research Symposium III: Focus on GIS in Small Business, School of Business-ESRI, University of Redlands, October 29, 2008.

"Evaluating Private Sector ICT Initiatives in Rural India." Co presenter with Kamala Gollakota of Paper at India Special Conference, "Emerging India: Strategic Innovation In A Flat World," organized by C.H. Prahalad and sponsored by Strategic Management Society, Dec. 12-14, Indian School of Business, Hyderabad, India.

"Which are the Largest Cities in the World?" Seminar in Colloquium Series on Population and Immigration, February 10, 2009. Department of Sociology, University of California Irvine, and

"Studying Global Digital Inequality: Impacts of Government, Investment, and Social Factors on Technology Utilization." Talk at CRITO Hour, March 5, 2009. Center for Research on Information Technology in Organizations, University of California Irvine.

"Architecture, Management, and Benefits of Web-based Spatial Applications:
An Exploratory Case Study Analysis." Co-presenter with Paolo Tovar of paper In Special Session on "GIS and Mapping on the Web," Annual Conference of American Association of Geographers, Las Vegas, Nevada, March 23-27, 2009.

 "Global Digital Inequality: Impacts of Government and Socio-Economic Factors on Technology Utilization." Seminar in MIS Seminar, Department of MIS, City University of Hong Kong, April 21, 2009.

"Geographic Information Systems: A Tool for Business Decisions." Seminar at Lingnan University, Tuen Mun, Hong Kong, sponsored by Department of Computing and Decision Sciences and Hong Kong Institute of Business Studies, April 22, 2009

"Web-based and Mobile-based Geographic Information Systems in Organizations." Seminar at Lingnan University, Tuen Mun, Hong Kong, sponsored by Department of Computing and Decision Sciences and Hong Kong Institute of Business Studies, April 29, 2009

"Mexico and India: Comparing the Development of their Technology Sectors." Seminar at Lingnan University, Tuen Mun, Hong Kong, sponsored by Department of Computing and Decision Sciences and Hong Kong Institute of Business Studies, May 6, 2009

"Which are the Largest Cities in the World?" Research Seminar, School of Sociology and Population Studies, Renmin University, Beijing, China, May 13, 2009.

"Geographic Information systems: a Tool for Improved Sustainability in the Utilities Industry." Paper presented in Pre-ECIS Workshop on "Investigating the Possibilities of Green IS." of European Conference on Information Systems, Verona, Italy, June 7, 2009.

"Web-based Spatial Decision Support Systems as Innovations in CyberGIS: An Empirical Study." Paper presented at National Science Foundation TeraGrid Cyber GIS Workshop, Washington, DC, February 2-3, 2010.

"Sabbatical in Hong Kong and Mainland China: Reflections." Seminar presented in School of Business Research Series, University of Redlands, February 10, 2010.

"International Comparison of Web-based Spatial Decision Support Systems: Case Study Analysis in the United States and Hong Kong." Association of American Geographers Annual Meeting, Washington, DC. Special session on Spatial Decisions Support Systems, co-sponsored by the GIS and Cyberinfrastructure Specialty Groups, Washington, DC, April 15-18, 2010.

"Technology for Rural Telecenters In India: A Model and Exploratory Study of Diffusion of Information For Telecenter Use and Sustainability." (co-authored with Kamala Gollakota). Panel presented at Americas Conference on Information Systems, Lima, Peru, August 11-15, 2010.

"Spatial Analysis of Influence of Economic and Social Factors on Technology Utilization for Nations, 2008-2010." (Co-authored with Tetsushi Nishida). Paper presented at School of Business Research Series, April 20, 2011.

"Spatial Analysis of Economic and Social Determinants of Technology Utilization in China." (Co-authored with Tetsushi Nishida). Paper presented at Annual Meeting of American Association of Geographers, Seattle, Washington, April 12-16, 2011.

"Spatial Analysis of the Global Digital Divide." (Co-authored with Tetsushi Nishida). Paper to be presented at America's Conference on Information Systems, Detroit, Michigan, August 4-7, 2011.

"Determinants of worldwide technology utilization and availability." (Co-authored with Tetsushi Nishida). Paper presented at Hawaiian International Conference on Systems Sciences, Maui, Hawaii, January 4-7, 2012.

"Social and Economic Influences on Technology Utilization for the States of India: Multivariate and Spatial Analysis." (Co-authored with Tetsushi Nishida and Avijit Sarkar). Paper to be presented at Association of American Geographers Annual Meeting, New York, NY, February 23-28, 2012.

Pick, James B. "Determinants of China's Information Technology Utilization and Availability 2006-2009: A Spatial Analysis." Research Seminar, Dept. of Information Systems, City University of Hong Kong, Sept. 25, 2012.

"Determinants of Information Technology Utilization and Expenditures within Japan: A Theoretical, Multivariate, and Spatial Analysis." Invited seminar presentation in Department of Computing and Decision Sciences, Lingnan University, Hong Kong, September 21, 2012. Seminar also presented at Institute of Policy and Management, Chinese Academy of Sciences, Beijing, China, October 16, 2012.

"Determinants of China's Information Technology Utilization and Availability 2006-2009: A Spatial Analysis. "Presentation in seminar series of Department of Information Systems, City University of Hong Kong, September 24, 2012. Seminar also presented at Institute of Policy and Management, Chinese

Academy of Sciences, Beijing, China, October 16, 2012.

Workshop on "Geographic Information Systems." Department of Information Systems, City University of Hong Kong, October 9, 2012.

"Which are the Largest Cities in the World?" Seminar presented at Institute of Policy and Management, Chinese Academy of Sciences, Beijing, China, October 16, 2012.

"Economic and Social Influences on Technology Availability and Utilization in China, 2006-2009: a Regression and Spatial Analysis," Institute of Policy and Management, Chinese Academy of Sciences, Oct. 18, 2012.

"Economic and Social influences on Technology Availability and Utilization in China, 2006-2009: a Regression and Spatial Analysis." Invited talk at School of Information, Capital University, Beijing, China, October 19, 2012.

"Geo-Business: How Companies Are Using GIS to Enhance Decision-making, and Succeed Competitively." Seminar at Institute for Space and Earth Information Science, Chinese University of Hong Kong, October 26, 2012.

"Demographic, Social, and Economic Influences on Digital Inequality in Japan: A Spatial and Multivariate Analysis," PSI Seminar Series, Department of Sociology, UC Irvine, Feb. 5, 2013.

"Geo-Business: How Companies Are Using GIS to Enhance Decision-making, Improve Efficiencies, and Succeed Competitively," Institute for Industrial Engineering - Western Region, Las Vegas, March 2, 2013.

"GIS in Business School Curricula: Trends and a Case Study," (Co-authored with Avijit Sarkar). Paper presented at ISECON Conference, New Orleans, Louisiana, November 1-4, 2012.

"Understanding and Mapping the Connections of Population and Urbanization to Technology Use" Fall Kickoff Talk to Program on Demographic and Social Analysis, UC Irvine, October 16, 2013.

"Information Technology Availability and Use in the United States: A Multivariate and Geospatial Analysis by State" (with Avijit Sarkar and Jeremy Johnson), Presentation in School of Business Research Series, November 7, 2013.

"The Digital Divide in Africa: A Spatial and Multivariate Analysis of ICT Adoption and Utilization." (Co-authored with Avijit Sarkar and Jeremy Johnson). Paper presented at Annual Meeting of American Association of Geographers, Tampa, Florida, April 12, 2014.

"Application of GIS to Support Regional Policy for Development of Renewable Energy in Southern California: An Exploratory Case Study Analysis (Co-authored with Monica Perry and Jessica Rosales. Paper to be presented at Pre-ICIS Workshop on Geographic Information Systems, Auckland, New Zealand. Sponsored by SIGGIS, Association for Information Systems, December 14, 2014.

"GIS to Support Policy of Renewable Energy Development in Southern California" (with Monica Perry and Jessica Rosales). Paper presented at Esri User Conference, San Diego, July 22, 2015.

"Africa's Digital Divide: Geography, Policy, and Implications" (with Avijit Sarkar). Paper accepted for presentation at International Telecommunication Society Regional Conference, Los Angeles, October 25-28, 2015.

"America's Cities: Trends in Digitization" Invited seminar presentation at California State University San Bernardino Department of Geography, November 12, 2015.

"The Digital Divide in the United States." Invited seminar presentation at University of California Irvine, Department of Sociology, February 25, 2016.

"Digitization of America's Cities." Invited talk to students in the Master in Demographic and Social Analysis Program, University of California Irvine, March 8, 2016.

"Big Data and Location Analytics in Business Curricula" (with Avijit Sarkar and Steven Moore). Paper presented at Esri Education GIS Conference, June 26, 2016.

"The Global Digital Divides: Explaining Change." Invited book talk by UC Irvine Libraries (with Avijit Sarkar), January 24, 2017.

"A Model and Case Study of Renewable Energy Development, Coachella Valley, California." Paper presented at Association of American Geographers Annual Meeting, Session on Contested Terrains, Boston, MA, April 8, 2017.

"Spatial Analytics: Experience in Teaching Curriculum in a Business School." (with Avijit Sarkar, Hindupur Ramakrishna and Jason Lemus). Paper presented at Esri Education GIS Conference, July 9, 2017.

"Spatial Patterns of m-Commerce and m-Entertainment in U.S. Counties" (with Avijit Sarkar and Greg Moss) in session on Network Planning in Telecommunications. Paper presented at Esri User Conference, July 11, 2017.

"Location Analytics in Business Curricula through the Lens of Big and Small Data" (with Avijit Sarkar, Hindupur Ramakrishna, and Sarah Griffin). Pape presented at Esri User Conference, July 7, 2018.

"Locational Privacy Issues in US Cities and Counties: Prevalence, Situational Factors, Impacts, and Mitigation" (with Mehrdad Koohikamali and Justin Dunaway-Perez). Paper presented at annual conference of Association of American Geographers, New Orleans, LA, April 11, 2018.

"Social Media Utilization in U.S Counties: A Spatial and Multivariate Analysis." (with Avijit Sarkar and Jessica Rosales). Paper presented at annual conference of the Decision Sciences Institute, Chicago, IL, November, 2018.

"Panel on Leadership in Editorial Leadership in Journals," sponsored by Women's Network of Hawaiian International Conference on System Sciences, Wailua, Maui, Hawaii. January 10, 2019.

"Supplier Participation in Short-Term Rental Markets – Geospatial Socioeconomic Analysis of Airbnb Hosts in Los Angeles, California." (with Avijit Sarkar). Paper presented at annual conference of Association of American Geographers, Washington, DC, April 5, 2019.

"Spatial Business Workforce for Contemporary Businesses." Paper presented at the Esri Education Summit, San Diego, CA, July 7, 2019.

"Case Studies on Location Analytics in Business: Strategies and Competitiveness," Research Seminar, Esade Business School, Barcelona, Spain, October 30, 2019.

"Convergence of Location Analytics and Social Media." Research Seminar. Esade Business School, Barcelona, Spain, November 18, 2019.

"Digital Divides Worldwide and in USA: their geographies and structural determinants." Research Seminar, Digital Learning Lab, School of Education, UC Irvine, Feb. 14, 2020.

"C-DASA Workshop on GIS." Workshop presented to Faculty and Graduate Students in the Program in Demographic and Social Analysis, Department of Sociology, UC Irvine, March 3, 2020.

"Purposeful Use of Social Media in U.S. Counties: A Multivariate and Geospatial Perspective" (with Avijit Sarkar and Tridev Raut). Annual Meeting of Association of American Geographers, April 9, 2020.

"GIS and Social Media" Workshop presentation at Americas Conference on Information Systems, August 12, 2020.

"Pathways for Spatial Business Transformation: Lessons from a Business School" (with Avijit Sarkar and Tom Horan). 2021 Esri Education Summit, June 22, 2021.

"GIS and Renewable Energy Development." Pre-ICIS Workshop on Sustainability and IS: The Role of Location, Austin Texas, December. 12, 2021.

"Spatial Strategies in Organizations: Case Study Analysis (with Avijit Sarkar).. Association of American Geographers, February 26, 2022.

"Strategies for Location Analytics in Business: Case Studies," (with Avijit Sarkar) Workshop on "The Need for Location Analytics Competencies in Business. Arizona State University, Tempe, AZ, March 5, 2022.

SOFTWARE PACKAGES

PYRAMID, a standard demographic computer graphics routine was requested by over fifty users in the U.S. and abroad.

Teaching diskette for *Computer Systems in Business*, to accompany the *MicroManual*, Boston, PWS Publishers, 1986. Contained 75 practice files to assist in learning BASIC, Microsoft Word, Lotus 1-2-3, and dBASE III.

Teaching CD for *Exploring the Urban Community: A GIS Approach*, New Jersey, Upper Saddle River, Prentice Hall, 2006. Exercises developed by Richard Greene, John Stager Jr., and James B.

Pick. Contained 12 sets of electronic files for GIS exercises to be utilized with ArcGIS software.

CONFERENCES, TRACKS, SESSIONS, PANELS, AND WORKSHOPS CHAIRED

Organizer of conference session, "Energy Production and Environmental Conservation: Effects on Human Health." Annual Meeting of American Statistical Association, Chicago, August 17, 1977.

Co-organizer of seminar, "Real-World Practical Business Education Seminar for Small and Medium Size Businesses." Association for Systems Management, Anaheim, California, October 29, November 6, and November 13, 1977.

Co-organizer of seminar, "The Automated Office/Micrographics." Association for Systems Management, Irvine, California, September 21, 1978.

Co-organizer of seminar, "Maximizing Results with Limited Resources." ASM, Los Angeles, March 25, 1982.

Organizer of conference session, Borderlands Studies Section, Annual Conference, Western Social Science Association, San Diego, California, April 25, 1984.

Co-organizer of conference session, "Mexico: Social and Demographic Analyses." Annual Conference of Western Social Science Association, El Paso, Texas, April 24, 1987.

Co-organizer of conference session, "Regional Fertility in Mexico, 1980-86." Pacific Coast Council on Latin American Studies, Annual Meeting, Tempe, Arizona, October 11, 1987.

Organizer of conference session, "Quantitative Analysis of Regional Socioeconomic Characteristics in Mexico." Western Social Science Association, Denver, Colorado, April 27, 1988.

Co-organizer of "Conference on Social Science Research in the Mexican-U.S. Borderlands." International Conference co-sponsored by UCR and El Colegio de la Frontera Norte. Tijuana, Mexico, October 13-14, 1988.

Co-organizer of conference session, "Using a Data-base on Mexico." Pacific Coast Council on Latin American Studies, Annual Meeting, Mexicali, Mexico, October 22, 1988.

Organizer of conference session, "Critical Issues: the U.S.-Mexican Borderlands." Western Social Science Association, Albuquerque, New Mexico, April 27, 1989.

Organizer of conference session, "Practicum on the UCR Data-base of the States of Mexico." Western Social Science Association, Albuquerque, New Mexico, April 28, 1989.

Co-organizer of conference session, "Applications of Quantitative Methodologies in Borderlands Research." Association of Borderland Scholars Meeting, Tijuana, Mexico, February 22, 1990.

Organizer of conference session, "The 1991 National Art Museum Survey." Annual Conference of Museum Computing Network, Pittsburgh, Pennsylvania, October 1992.

Organizer of conference session, "Socio-Demographic Information Systems." Annual Meeting of Pacific Sociological Association, San Francisco, California, April 6-9, 1995.

Organizer of Computer Ethics Track at EDSIG Computer Education Conference, Denver, Colorado, June 12-14, 1995.

Organizer of "Industry and IS Relationships" Track at ISECON '96 Conference, St. Louis, Missouri, October 18-20, 1996.

Organizer of Winter All Faculty Meeting, Department of Management and Business, Santa Ana, California, February 22, 1997.

Director of Research Table "Technología de Información, Industria y Estrategia, Una Trología Para Investigación, XXXII Annual Assembly of CLADEA (Consejo Latinoamericano de Escuelas de Administración, Monterrey, Mexico, October 9, 1997.

Organizer and Chair of Panel, "Cross Cultural Comparison on of the Concordance of IS Education/Training and IS Careers in the United States and Latin America." SIGCPR Conference, Boston Massachusetts, March 26-28, 1998. Accepted for presentation. Abstract forthcoming in proceedings.

Co-Organizer of "Taller del Desarrollo Urbano, El Medio Ambiente, y La Cultura de Ciudad Juárez," ("Workshop on Urban Growth, Environment, Culture of Ciudad Juarez"), Ciudad Juarez, Mexico, March 4-5, 1999. Attended by 60 participants.

Co-Organizer of Workshop, "GIS And Remote Sensing For Planning Of Growth," Mexicali, Mexico, April 8-9, 1999. Attended by 50 participants.

Organizer and Chair of Panel Discussion, "Binationalism in the U.S.-Mexico Border," Association of Borderlands Studies, Fort Worth, Texas, April 24, 1999.

Organizer of International Workshop, "The U.S.-Mexico Border Twin Cities: Binational Interactions." November 9-12, 1999. University of Redlands. Attended by 40 participants.

Co-Chair of International Conference, "Bitworld/2000." Business Information Technology Management: Leveraging International Opportunities," June 1-3, 2000, Universidad Iberoamericana, Mexico City, Mexico.

Invited Roundtable Luncheon Discussion Leader. "A Dual-Census GIS for U.S.-Mexico Border Twin Cities: Building It and Applying It." Joint Statistical Meetings, American Statistical Association, Indianapolis, Indiana, August 13-17, 2000.

Panel Discussion Chair for Session, "Borderlands, Globalization, and the New Millenium: Challenges and Perspectives." Annual Meeting of Association for Borderlands Studies, San Diego, California, April 29, 2000.

Lunch Roundtable Discussion Leader. "Study of Binational Twin Cities." Joint Statistical Meetings, Indianapolis, Indiana, August 14, 2000.

Co-Chair (with Martha Garcia Murillo) of Latin America Track for Americas Conference on Information Systems, Boston, Massachusetts, August, 2001.

Co-Organizer and Co-Presenter of Workshop, "Sistemas de Información Geográficos." Universidad Iberoamericana, August 15-16, 2001. Workshop presented to interdisciplinary group of faculty at the university.

Co-Organizer of 2-day workshop on "Geographical Information Systems" at Universidad Iberoamericana, November, 2001. Jointly sponsored by Universidad Iberoamericana, ProNatura, and SIGSA.

Program Chair of Annual Meeting of Association for Borderlands Studies, Albuquerque, New Mexico, April 11-13, 2002. Responsible for organizing a conference program of 90 papers.

Co-Chair (with Martha Garcia Murillo) of Latin America Track for Association of Information Systems Conference, Dallas, Texas, August 9-11, 2002.

Co-Chair (with Martha Garcia Murillo and Carlos Navarrete) of Latin America Track for Americas Conference on Information Systems, Tampa, Florida, August 4-6, 2003.

Co-Chair (with Brian Mennecke) of Spatial and Mobile Technologies Track for Americas Conference on Information Systems, Tampa, Florida, August 4-6, 2003.

Presenter of Seminar, Corporate Technology Adoption of Mobile Cell Phones: A Case Study Analysis, Instituto Tecnológico Autonomo de México, January 22, 2004, Mexico City.

Presenter of Seminar, GIS in Business, Instituto Tecnológico Autonomo de México, January 23, 2004, Mexico City.

Local Co-Chair for Global Information Technologies Association Annual Meeting, San Diego, California, June 2004.

Co-Chair (with Martha Garcia-Murillo and Carlos Navarrete) of Track on IT and Its Impact in Latin America for Americas Conference on Information Systems, New York City, August 5-8, 2004.

Co-Chair (with Julian Ray) of Track on Geographic and Location-Based for Americas Conference on Information Systems, New York City, August 5-8, 2004.

Co-Chair (with Narcyz Roztocki and Carlos Navarrete) of Track on IT Investments in Developing Countries for Americas Conference on Information Systems, New York City, August 5-8, 2004.

Organizer of Panel Discussion on "The Expanding Role of Geographic Information in Business: a Panel Discussion" at annual meeting of Decision Science Institute, Boston, November 20-23, 2004.

Organizer of Panel Discussion on The Growing Importance of Geographic Information in Business (with Hindupur Ramakrishna and Keith Roberts), Global Information Technology Management Conference, Anchorage, Alaska, June 5-7, 2005.

Co-Chair (with Narcyz Roztocki and Carlos Navarrete) of Track on IT Investments in Emerging Economies, at annual meeting of Americas Conference on Information Systems, Omaha, August 11-15, 2005.

Co-Chair (with Carlos Navarrete, Martha Garcia-Murillo, and Guillermo Rodriguez Abitia) of Track on Information Technology and its Impacts in Latin America, at annual meeting of Americas Conference on Information Systems, Omaha, August 11-15, 2005.

Co-Chair (with Julian Ray) of Track on Geographic and Location-Based Technologies, at annual meeting of Americas Conference on Information Systems, Omaha, August 11-15, 2005.

Co-Chair (with Narcyz Roztocki and Nicholas Romano) of Track on Collaboration Issues in Cross-Organizational and Cross-Border IS/IT, at annual meeting of Americas Conference on Information Systems, Omaha, August 11-15, 2005.

Co-Organizer of Business Research Symposium I on Spatial Technologies in Business, School of Business-ESRI, University of Redlands, March 10, 2006.

Co-Organizer (with Paul Gray) of Panel on Human-Computer Interaction of Spatial Technologies in Business at SIGMIS-CPR Conference, Pomona, California, April 14, 2006.

Member of Conference Program Committee and Spanish Co-Chair (with Carlos Navarrete and Martha Garcia-Murillo) of Americas Conference on Information Systems, Acapulco, Mexico, August 3-6, 2006.

Co-Organizer of Business Research Symposium II on Spatial Technologies in Business, School of Business-ESRI, University of Redlands, November 15, 2006.

Co-Chair (with Nicholas C. Romano Jr. and Narcyz Roztocki) of Track on Cross-Organizational and Cross-Border IS/IT Collaboration at HICSS-40 Conference, January 2007.

Co-Chair (with Narcyz Roztocki and Nicholas Romano) of Mini-track on Cross-Organizational and Cross-Border IS/IT Collaboration, at annual meeting of Americas Conference on Information Systems, Keystone, CO,, August 9-12, 2007.

Co-Chair (with Carlos Navarrete and Martha Garcia-Murillo) of Mini-track on Information Technology and its Relevance in Latin America, at annual meeting of Americas Conference on Information Systems, Keystone, CO,, August 9-12, 2007.

Co-Chair (with Peter Keenan) of Mini-track on GIS and Spatial Technologies, at annual meeting of Americas Conference on Information Systems, Keystone, CO,, August 9-12, 2007.

Advisory Board for Pre-ICIS 2006 SIG-DSS Workshop, Milwaukee, Wisconsin, December. 10, 2007. (note: was an invited advisor and reviewer but was not able to attend the workshop).
Co-Chair (with Nicholas Romano and Narcyz Roztocki) of Mini-track on Cross-Organizational and Cross-Border IS/IT Collaboration, at HICSS-41 Conference, January 2008.

Co-Chair (with Martha Garcia-Murillo and Luiz Antonio Joia) of Mini-track on Information Technology and its Impact in Latin America, at annual meeting of Americas Conference on Information Systems, Toronto, Canada, August 14-17, 2008.

Co-Chair (with Nicholas Romano and Narcyz Roztocki) of Mini-track on Cross-Organizational and Cross-Border IS/IT Collaboration, at annual meeting of Americas Conference on Information Systems, Toronto, Canada, August 14-17, 2008.

Co-Chair (with Nicholas Romano and Narcyz Roztocki) of Mini-track on Cross-Organizational and Cross-Border IS/IT Collaboration, at HICSS-41 Conference, January 2008.

Co-Organizer (with Monica Perry and Kamala Gollakota) of Academic Program of ESRI Business GIS Summit, Chicago, IL, April 27-30, 2008.

Organizer of ESRI-School of Business Research Symposium III: Focus on GIS in Small Business, School of Business-ESRI, University of Redlands, October 29, 2008.

Co-Chair (with Nicholas Romano and Narcyz Roztocki) of Mini-track on Cross-Organizational and Cross-Border IS/IT Collaboration, at HICSS-42 Conference, January 2009.

Co-Organizer (with Monica Perry and Kamala Gollakota) of Academic Program of ESRI Business GIS Summit, Chicago, IL, May 4-6, 2009.

Member of Conference Program Committee, Americas Conference on Information Systems, San Francisco, CA, August 6-9, 2009.

Principal Co-Chair (with Co-Chairs Luiz Antonio Joia and Guillermo Rodriguez Abitia) of Latin America Track, Americas Conference on Information Systems, San Francisco, August 6-9, 2009.

Co-Chair (with Nicholas Romano and Narcyz Roztocki) of Mini-track on Cross-Organizational and Cross-Border IS/IT Collaboration, at HICSS-43 Conference, January 2010.

Co-Chair (with Nicholas Romano and Narcyz Roztocki) of Mini-track on Cross-Organizational and Cross-Border IS/IT Collaboration, at Americas Conference on Information Systems, Lima, Peru, August 11-15, 2010.

Co-Chair (with Mehruz Kamal) of Mini-track on ICT Adoption in Micro & Small Enterprises of Developing Regions,   at Americas Conference on Information Systems, Lima, Peru, August 11-15, 2010.

Co-Chair (with Nicholas Romano and Narcyz Roztocki) of Mini-track on Cross-Organizational and Cross-Border IS/IT Collaboration, at HICSS-44 Conference, January 2011.

Chair, Minitrack on Geographic Information Systems, 2011 Americas Conference on Information Systems. Detroit, Michigan, August 4-7, 2011. Atlanta, Georgia: Association for Information Systems.

Co-Chair (with Nicholas Romano) of Mini-track on Cross-Organizational and Cross-Border IS/IT Collaboration, at HICSS-45 Conference, January 2012.

Co-Chair (with Avijit Sarkar, Hindupur Ramakrishna, and Daniel Farkas) of Mini-track on Spatial Business Intelligence, Decision Making, and Management, at 2012 Americas Conference on Information Systems, Seattle, Washington, August 2012.

Co-Chair (with Nicholas Romano) of Mini-track on Cross-Organizational and Cross-Border IS/IT Collaboration, at HICSS-46 Conference, January 2013.

Co-Chair (with Avijit Sarkar, Hindupur Ramakrishna, Daniel Farkas, and Namchul Shin of Workshop on Geographic Information Systems, at 2013 Americas Conference on Information Systems, Chicago, Illinois, Aug. 15, 2013.

Co-Chair (with Avijit Sarkar, Hindupur Ramakrishna, and Daniel Farkas) of Minitrack on Geographic Information Systems, at 2013 Americas Conference on Information Systems, Chicago, Illinois, Aug. 15-18, 2013.

Co-Chair (with Nicholas Romano) of Mini-track on Cross-Organizational and Cross-Border IS/IT Collaboration, at HICSS-47 Conference, January 2014.

Co-Chair (with Mehruz Kamal, and Sajda Qureshi) of Mini-track on Information Technology for Development, at HICSS-47 Conference, January 2014.

Co-Chair (with Avijit Sarkar, Hindupur Ramakrishna, Daniel Farkas, Namchul Shin, and Brian Hilton) of Workshop on Geographic Information Systems for Smart Sustainability, August 6, 2014.

Co-Chair (with Mehruz Kamal, and Sajda Qureshi) of Mini-track on Information Technology for Development, at HICSS-48 Conference, January 2015.

Co-Chair (with Avijit Sarkar, Dan Farkas, Brian Hilton, Hindupur Ramakrishna, and Namchul Shin) of Workshop on Geographic Information Systems for Smart Sustainability, at 2014 Americas Conference on Information Systems, Savannah, Georgia, August 7, 2014.

Co-Chair (with Hindupur Ramakrishna, Dan Farkas, and Tom Horan of Pre-ICIS Workshop on Geographic Information Systems and Spatial Analysis, Auckland New Zealand, Dec. 14, 2014.

Co-Chair (with Mehruz Kamal, and Sajda Qureshi) of Mini-track on Information Technology for Development, at HICSS-47 Conference, January 2015.

Co-Chair (with Dan Farkas, Brian Hilton, Hindupur Ramakrishna, Avijit Sarkar, and Namchul Shin) of Workshop on Location Analytics, GIS, and Big Data for 2015 Americas Conference on Information Systems, Savannah, Georgia, August 13, 2015.

Co-Chair (with Dan Farkas, Brian Hilton, Hindupur Ramakrishna, Avijit Sarkar, and Namchul Shin) of Minitrack on Spatial Business Intelligence, Analytics, and Knowledge Management for 2015 Americas Conference on Information Systems, Savannah, Georgia, August 13, 2015.

Co-Chair (with Brian Hilton and Namchul Shin) of Pre-ICIS Workshop on Locational Analytics and Big Data: Foundations, Emerging Technologies and Research, Association for Information Systems, Fort Worth, Texas, Dec. 13, 2015.

Co-Chair (with Dan Farkas, Brian Hilton, Hindupur Ramakrishna, Avijit Sarkar, and Namchul Shin)
Minitrack on Spatial Business Intelligence, Location Analytics and Knowledge Management
for 2016 Americas Conference on Information Systems, San Diego, California, August 11-13, 2016.

Co-Chair (with Dan Farkas, Brian Hilton, Hindupur Ramakrishna, Avijit Sarkar, and Namchul Shin) of
Workshop on Research Opportunities in GIS and Spatial Analysis for 2016 Americas Conference on
Information Systems, San Diego, California, August 11, 2016.

Co-Chair (with Brian Hilton Namchul Shin, and Dan Farkas) of Workshop on Locational Analytics,
Spatial Decision Marking and Big Data: Research and Teaching. ICIS 2016, Dublin, Ireland December
11.

Co-Chair (with Brian Hilton, Dan Farkas, Avijit Sarkar, and Namchul Shin) of Workshop on Locational
Analytics: Implications for the Sharing Economy. AMICS 2017. Boston, MA, August 10, 2017.

Co-Presenter (with Avijit Sarkar and Mehrdad Koohilkamali) Spatial Business and GeoIntelligence.
Costa Crociere, Genoa Italy. Intensive 5-day workshop given to managers and analysts, May 31-June 6,
2018. Sponsored by the University of Redlands School of Business Spatial Business Initiative (SBI),
Center for Spatial Business, and the University of Redlands School of Continuing Studies. Costa
Crociere is one of the world's largest cruise ship companies.

Co-Chair (with Dan Farkas) of Workshop, "GIS, Location Analytics and Digital Convergence:
Social Media, Blockchain and Internet of Things." AMCIS 2019. Cancun, Mexico, August 15,
2019.

Presenter of Workshop, "GIS and Social Media." AMCIS 2020, Online, August 12, 2020.

Co-Chair (with Avijit Sarkar), of Inaugural Minitrack on "Location Intelligence," HICSS 2021,
Online, January 2021.

Co-Chair (with Avijit Sarkar), of Minitrack on "Location Analytics for System Sciences," HICSS
2022, January 2022.

Co-Chair (with Namchul Shin and Dan Farkas), of Minitrack on "Sustainability and IS: The Role
of Location, Pre-ICIS Workshop, Austin, Texas, December 12, 2021.

CONSULTING ACTIVITY

International Statistical Programs Center, U.S. Bureau of the Census, Washington, D.C., 1978
(evaluation of microfilm access system).

Newport Harbor Art Museum, Newport Beach, 1981 (feasibility study and systems design for
acquisition of a computer system).

For Better Living, Inc., San Juan Capistrano, 1982 (feasibility study of acquisition of minicomputer

system for corporate office).

Brown and Adler, Attorneys, Riverside, California, 1982 (pre-trial expert opinion on validity of a forecasting system).

Dominick Law Offices, Denver, Colorado, 1982 (feasibility evaluation of a legal office automation system).

Department of Developmental Disabilities, State of California, Sacramento, 1984 (design and implementation of a pilot financial forecasting system for the department; preliminary design of a full-scale system).

Los Angeles County Office of Education, Regional Occupational Program, Computer Applications Advisory Committee, 1990-91.

Geomatics Technology Roadmap. Alberta Resource Council, Edmonton, Canada, 2009 (expert consultant for the roadmap). Sponsored by Institute of Communication and Technology, Calgary, Canada.

2. UNIVERSITY SERVICE

University of California, Riverside, 1975-1991.

Faculty advisor to MBA students, 1982-85.

Member of:
Computer Committee, Graduate School of Management, 1975-91 (Chair, 1982-90)
Committee for Certificate in Computer Studies for Business Data Processing, UCR Extension,
        1981-85
Committee for Certificate in Microcomputers for Educators, UCR Extension, 1982-83
Committee for Graduate Training in Department of Applied Statistics, 1981-83.
University Commons Board of Governors, 1982-86.
Special Campuswide Task Force for Academic Computing, May/June, 1986.
Executive Committee, UCR-Mexico Collaborative Research and Training Group, 1984-91.
UCR Art Gallery Faculty Advisory Committee, 1988-91.
Latin American Studies Committee, 1989-91.
Special Campuswide Committee for Data Communications Rate Structures, 1989-90.
Campuswide Data Communications Technical Planning Committee, 1990-91.

University of Redlands, 1991 to present.

Member of:
Campus Computer Steering Committee, 1991-93.
Curriculum Committee, Whitehead Center, Member, 1991-93, Fall 1996, Winter and Spring 1998;
        Chair, 1994-95.
Computer Committee, Whitehead Assembly, Chair, 1991-97, 1998-2000, member 1997-98.

Environmental Studies Program Faculty Advisory Committee, 1991-present.
Information Management Program Curriculum Advisory Committee, Chair, 1991-92.
Steering Committee, Department of Management and Business, 1991-1999.
University Faculty Governance Steering Committee, 1994-95.
Management Group, Whitehead College, 1995-99.
Deans Review Committee, University of Redlands, Fall 1996
Ad Hoc Committee for a Tenure Appeal, Winter 1997
Faculty Search Committees (ten searches, chairing six), School of Business (and predecessor) and
        College of Arts and Sciences, 1991-95, 1998-2000.
Presidential Commission on the Future of Business Programs, 1998
Campus Telecommunications Advisory Committee, 1998-2000.
Campus Y2K Advisory Committee, 1998-1999.
Presidential Task Force on Business Education, 1999-2000.
Campus Faculty Appeals Panel, 1999-2000.
Search Committee for Dean of School of Business, 2000-2001.
Corporate Advisory Committee. IS Programs, Chair, 1992-1995, 1999-2001.
ANWC Dean's Advisory Council, 2000-2001.
Building Advisory Committee, School of Business, 2000-2001.
Steering Committee, Plan for School of Business, 2000-2001.
Steering Committee, University Assembly, 2001-2004.
Search Committee for five positions, School of Business, 2002-2003.
Co-Chair, Search Committee, School of Business, 2003-2004.
Chair of School of Business Faculty Assembly, 2001-2004.
University Council, 2003-2004.
Search Committee for Dean of School of Business, 2003-2004.
Co-Chair, Search Committee, Operations Management and Marketing Positions, 2004-2005.
Curriculum Committee, School of Business, 2004-2006.
Technology Committee, School of Business, 2005.
Chair, Research Committee, School of Business, 2002-2008.
University GIS Summit Group, 2006-2008.
Member, University Committee on Academic Planning and Standards, 2009-2011.
Chair, University Committee on Academic Planning and Standards, 2010-2011, 2013-2015.
Member, University Spatial Taskforce, Fall and Winter, 2010
Member, University WASC Study Committee on Community-Reaching Outwards, 2011-2012
Member, Council for Spatial Studies, 2011-2012, 2017-2019.
Search Committee for Director of Academic Computing and Instructional Technology Services,
University of Redlands, 2013.
Search Committee for Economics Tenure Track Position, School of Business, 2014.
Senator, Faculty Senate, University of Redlands, 2014-2015.
Member, University-wide Multi-disciplinary Faculty Seminar Panel on "Open: Teaching, Scholarship, and
student Learning," Organized by Paige Mann. 2017-2018 Academic year.
Co-Chair, Search Committee for IS/GIS Tenure Track Position, School of Business, 2015-2016.
Co-Chair, Search Committee for Dean of School of Business, 2016-2017.
Co-Chair, Search Committee for two GIS and Analytics Visiting Asst. Professor positions, 2019.
Member, Search Committee for Analytics Tenure Track Position, School of Business, 2020.
Chair, Search Committee for Visiting Lecturer position in Information Systems, 2021.

3. PUBLIC SERVICE

Professional Advisory Boards and Task Forces

Current

Member, Board of Advisors, Master of Arts Program in Demographic and Social Analysis, Joint
        Program of Schools of Social Ecology and Social Sciences, University of California,
        Irvine, 2001-present.

Prior

Member, External Steering Committee, Center for the Neurobiology of Learning and Memory
        University of California, Irvine, 2010-2012.

Member, Plans and Programs Technical Advisory Committee, Southern California Association of
        Governments, Los Angeles, 2003-2008.

Member, Population Forecasting Technical Task Force, Southern California Association of
        Governments, Los Angeles, 2002-2004.

Boards of Community Organizations

Current

Member, Board of Trustees, Orange County Museum of Art, Costa Mesa, California, 1996-present.
        Chair, Collections Committee, 1996 to present.
        Member, Executive Committee, 1996 to present.

 Member, Board of Trustees, Berkeley Art Museum and Pacific Film Archive, University of
 California Berkeley, 2003-present.
        Treasurer, 2018-present
        Member, Collections Committee, 2003-2018.
        Member, Executive Committee, 2018 to present.
        Chair, Finance Committee, 2018 to present.

Member, Board of Trustees, Southern California Public Radio, Pasadena, California, 2014-present.
        Member, Audit Committee, 2014-2018.
        Member, Facilities Committee, 2018-present
        Member, Campaign Sub-Committee, 2015-2017.
        Co-Chair, Development and Campaign Committee, 2017 to present.
        Member, Executive Committee, 2017 to present.
        Member, Evaluation and Compensation Committee, 2019 to present.

Member, Board of Directors, Northern Illinois University Foundation, DeKalb, Illinois, 2014-
        present.
        Member, Grants Committee, 2014-present.

Prior

Member, Board of Advisors, 2006-2012, Block Museum of Art, Northwestern University, Evanston, Illinois. Member External Committee, 1997-2001.

Member, Dean's Advisory Council, School of Fine Arts, Univ. of California, Irvine, 1992-1997.

Member, Board of Trustees, Newport Harbor Art Museum, Newport Beach, 1981-1987, 1988-1996.