

Jeff Tayman

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Curriculum Vitae
April 2020

EDUCATION

B.A., Anthropology, Florida Atlantic University, 1974

M.S., Sociology (emphasis in Demography/Statistics), Florida State University, 1976

Ph.D., Sociology (emphasis in Demography/Statistics), Florida State University, 1979

AWARDS

Walt Terry Award for the Best Applied Demography paper at the Southern Demographic Association Meetings, 1999, 2003, and 2016

Governor's Commendation, Washington State, 1981

EMPLOYMENT HISTORY

2003 - 2006 Director of Technical Services Department, SANDAG (Retired)

1999 - 2003 Director of Research and Information Systems, SANDAG

1984 - 1999 Senior Regional Analyst/Demographer, SANDAG

1982 - 1984 Assoc. Regional Analyst/Demographer, San Diego Assoc. of Govern. (SANDAG)

1979 - 1982 Research Investigator, State of Washington, Office of Financial Management

TEACHING

2003 - Lecturer, Economics Department, University of California San Diego

1984 - 1991 Adjunct Professor, College and Business Administration, National University

CONSULTING

City of Flagstaff, Arizona, 2018-

Review materials pertaining to population projections for the Hopi Indian Reservation and off Reservation trust lands. Conducted extensive face validity and plausibility checks, developed independent projections, and prepared a detailed report of the findings. Served as an expert witness and was deposed.

Nexus Planning Consultants, San Diego, CA, 2019

Provide input on development of financial assessment methodology of the effects of sea level rise on San Diego County Port District finances. Review, comment, and edit the Administrative Draft AB691 submittal. Review and comment on the Port Master Plan Update document, with special attention on land use and transportation mobility.

Nantucket Data Platform, 2018

Serve as an expert reviewer of the methodology and data sources for developing monthly estimates the effective population and its components (permanent residents, commuters, seasonal residents, seasonal workers, and visitors) for Nantucket, Massachusetts.

Maricopa Association of Governments, 2017

Evaluate existing tool in Excel and design a new system for determining annual regional employment numbers by 2- and some 3-digit NAICS codes. Conduct a literature review of current methodologies related to the estimation of daytime population. Create a requirements and feasibility analysis for a daytime population methodology.

Nexus Planning Consultants, San Diego, CA, 2016-2017

Serve as an expert reviewer of the cost-benefit methodology and analysis assessing the tradeoffs of different adaptation strategies in response to forecasted sea level rise in coastal San Diego County. The analysis identifies the fiscal impacts to municipalities from sea level rise and storm events resulting from loss to of revenues and/or increased public expenditures.

State of Washington, Office of Financial Management, 2015-2016

Evaluate and make recommendations for improving methods that produce current estimates and short-term forecasts of migration. Develop procedures for evaluating demographic assumptions for the state-level long-term forecast, including the creating of alternative scenarios. Evaluate and make recommendations for improving methods that forecast county-level net migration.

Maricopa Association of Governments, 2014-2015

Design and implement an integrated regional economic-demographic forecasting model for Maricopa, Pinal, and San Diego counties. Develop model, database, and programming specifications. Ensure successful implementation, testing, and validation of model software and databases. Train agency staff in calibrating and estimating the model, operating the model to produce defensible forecasts, and understanding model outputs.

San Diego Association of Governments, 2014-2015

Conduct training on integrated regional economic-demographic models. Using a case-study approach, teach SANDAG staff to design, build, and implement an integrated model from scratch. Training also includes the principals, evaluation, and guidelines for developing forecasts and alternative demographic and economic forecasting methods.

Arizona Department of Commerce, 2009-2012

Develop and implement a state and county-level cohort-component population projections model with an optional econometrically based migration module to support planning and decision-making. Develop software to estimate model parameters. Train agency staff in operating the model to produce defensible forecasts, and understanding model outputs.

Environmental Systems Research Institute, 2011

Evaluate population and household forecast for various data vendors against the 2010 census. Investigate end-point accuracy and bias and allocation errors for states, counties, census tracts, and block groups for the entire United States.

San Diego Association of Governments, 2011

Develop and implement models for forecasting the juvenile detention population, including point forecasts and stochastic prediction intervals.

Maricopa Association of Governments, 2010-2011

Recommend a strategy for building uncertainty into land use and socioeconomic models. Develop probabilistic population forecast for Maricopa County. Evaluate and redesign procedures for county and subcounty forecast models including housing; transient and seasonal populations; post-secondary enrollments; employment and labor force; and airline passenger demand.

Smart Foundation of Connecticut, 2009

Serve as an expert reviewer of estimates and forecasts used in the planning of a new charter school in the Lagniappe Area of New Orleans, Louisiana.

Kamehameha Schools, Honolulu Hawaii, 2008

Serve as an expert reviewer of a long-range forecast for the Native Hawaiian population for the United States, Hawai'i, and major counties of Hawai'i.

City of Denton, Texas, 2007-2008

Conduct a housing needs assessment and determine the current and future fair share provision of low- and moderate- income housing opportunities.

Washoe County, Nevada, 1999

Develop a strategic plan for implementing a GIS-based annual population and demographic characteristics estimation program for census blocks and other small geographic areas.

TRW, Environmental and Safety Systems, Las Vegas Nevada, 1995

Develop a 50-year forecast for census tracks and blocks for southern Nevada as part of the evaluation of the Yucca mountain nuclear waste dumpsite.

State of Washington, Department of Fisheries, 1983

Provide recommendations for improving the statistical reliability and reducing program cost of the system for estimating salmon caught by non-commercial licensed anglers.

State of Washington, Office of Financial Management, 1982-1983

Implement a methodology for estimating household income distributions for the state, counties, and cities. Design and implement a computer simulation model to forecast prison populations.

PUBLICATIONS

Journal Articles

- Working Life Expectancy of Major League Pitchers. *Casualty Actuarial Society E-Forum* (Forthcoming). (with Dave Swanson, Jack Baker, and Lucky Tedrow)
- A Note on Rescaling the Arithmetic Mean for Right-skewed Positive Distributions. *Review of Economics and Finance*, 2018 14(4): 17-24. (with Dave Swanson and Tom Bryan)
- Using Modified Cohort Change and Child Woman Ratios in the Hamilton-Perry Forecasting Method. *Journal of Population Research*, 2017 34 (3): 209-231. (with Dave Swanson)
- New Insights on the Impact of Coefficient Instability on Ratio-Correlation Population Estimates. *Journal of Economic and Social Measurement*, 2016 41(2): 121-143. (with Dave Swanson)
- On Estimating a De Facto Population and Its Components. *Review of Economics and Finance*, 2011 5: 17-31. (with Dave Swanson)
- Assessing Uncertainty in Small Area Forecasts: State of the Practice and Implementation Strategy. *Population Research and Policy Review*, 2011 30(5): 781-800.
- MAPE-R: A Rescaled Measure of Accuracy for Cross-sectional, Sub-national Forecasts. *Journal of Population Research*, 2011 28: 225-243. (with Dave Swanson and Tom Bryan)
- Evaluating Population Forecast Accuracy: A Regression Approach Using County Data. *Population Research and Policy Review*, 2011 30(2): 235-262. (with Stan Smith and Stefan Rayer)
- Empirical Prediction Intervals for County Population Forecasts. *Population Research and Policy Review*, 2009 6: 773-793. (with Stan Smith and Stefan Rayer)
- Precision, Bias, and Uncertainty for State Population Forecasts: An Exploratory Analysis of Time Series Models. *Population Research and Policy Review*, 2007 26(6): 347-369. (with Stan Smith and Jeff Lin)
- Census Data for Transportation Planning, Analysis, and Implementation. *Journal of Social and Economic Measurement*, 2006 31(3/4): 167-183. (with Kristen Rohanna)
- An Evaluation of Population Projections by Age. *Demography*, 2003 40(4): 741-757. (with Stan Smith)
- Population Projections for Small Areas: New Directions in the 21st Century. *Applied Demography* 2002 14 (4): 1-4.
- Meeting Local Information Needs: A Case Study in Team Applied Demography. *Applied Demography*, 2002 14(1): 1-3.
- Toward an Ideal Measure of Accuracy for Subnational Demographic Estimates. *Demography*, 2000 37: 193-201. (with Dave Swanson and Charles Barr)
- In Search of the Ideal Measure of Accuracy for Subnational Demographic Forecasts. *Population Research and Policy Review*, 1999 18: 387-409. (with Dave Swanson and Charlie Barr)

- On the Validity of MAPE as a Measure of Population Forecast Accuracy. *Population Research and Policy Review*, 1999 17: 299-322. (with Dave Swanson)
- The Role of Population Size in the Determination and Prediction of Population Forecast Errors: An Evaluation Using Confidence Intervals for Subcounty Areas. *Population Research and Policy Review*, 1998 17: 1-20. (with Ed Schafer and Larry Carter)
- On the Utility of Population Forecasts. *Demography*, 1996 33(4): 523-528. (with Dave Swanson)
- Forecasting, Growth Management, and Public Policy Decision-Making. *Population Research and Policy Review*, 1996 15(5-6): 491-508.
- The Accuracy of Small Area Population Forecasts Based on a Spatial Interaction Land Use Modeling System. *Journal of the American Planning Association*, 1996 62(1): 85-98.
- Between a Rock and a Hard Place: The Evaluation of Demographic Forecasts. *Population Research and Policy Review*, 1995 14(2): 233-249. (with Dave Swanson)
- Retail Site Selection and Geographic Information Systems. *Journal of Applied Business Research*, 1995: 46-54. (with Lou Pol)
- On the Utility of Lagged Ratio-Correlation as a Short-term County Population Projection Method. *Journal of Economic and Social Measurement*, 1995 21: 1-16. (with Dave Swanson and Don Beck)
- Small Area Demographic Forecasts: The Contributions of Robert C. Schmitt. *Applied Demography*, 1994 9(1): 2-4.
- Toward a Casual Model of Drug Use. *Crime and Delinquency*, 1992 38(4): 583-601. (with Suzie Pennell)
- Guardian Angels: A Unique Approach to Crime Prevention. *Crime and Delinquency*, 1989 35(3): 378-400. (with Suzie Pennell, Chris Curtis, and Joel Henderson)
- Postcensal Estimates of Household Income Distributions. *Demography* 1989 26(1): 149-159. (with Lois Fonseca)
- The Impact of Coefficient Drift and Measurement Error on the Accuracy of Ratio-Correlation Population Estimates. *The Review of Regional Studies*, 1985 15(2): 3-10. (with Ed Schafer)
- Confidence Intervals for Postcensal State Population Estimates. *Demography*, 1982 19(2): 191-210. (with Tom Espenshade)
- Measuring Temporal Stability in Regression Models of Population Estimation. *Demography*, 1982 19(1): 135-146. (with Marylou Mandel)
- Changing Metropolitan Morphology and Municipal Service Expenditures in Cities and Rings 1960-1970. *Social Science Quarterly*, 1980 62: 595-611. (with Dave Sly)
- Metropolitan Morphology and Population Mobility: The Theory of Ecological Expansion Reexamined. *The American Journal of Sociology*, 1980 86(1): 119-138 (with Dave Sly)
- Migration and the Ecological Complex Reexamined. *American Sociological Review*, 1977 42(5): 783-794. (with David Sly)

Books

- Cohort Change Ratios and Their Applications*. Springer: Dordrecht, The Netherlands, 2017. (with Jack Baker, Dave Swanson, and Lucky Tedrow).
- A Practitioner's Guide to State and Local Population Projections*. Springer: New York, New York. Springer: Dordrecht, The Netherlands, 2013 (with Stan Smith and Dave Swanson)
- Subnational Population Estimates. Springer: New York, NY, 2012. (with Dave Swanson)
- State and Local Population Projections: Methodology and Analysis*. Kluwer-Plenum: New York, NY, 2001. (with Stan Smith and Dave Swanson)

Book Chapters

- A long-term test of the accuracy of the Hamilton-Perry method for forecasting state populations by age in *New Frontiers in Applied Demography*. Springer: Dordrecht, The Netherlands, 2016 (with Dave Swanson)
- On the Ratio-Correlation Regression Method of Population Estimation and its Variants. In *Emerging Techniques in Applied Demography*. Springer: Dordrecht, The Netherlands, 2014. (with Dave Swanson)
- Population Projections. In *Methods and Materials of Demography, 2nd Edition*. Elsevier: New York, NY, 2004. (with M.V. George, Stan Smith, and Dave Swanson, and)
- Locating Fire Station Sites: The Response Time Component. In *Demographics: A Case Book for Business and Government*. Westview Press: Boulder, CO, 1994. (with Sue Carnevale and Bob Parrott)

Proceedings

- Working Life Expectancy of Major League Pitchers. In Proceedings of the Joint Statistical Meeting of the American Statistical Association, Vancouver, BC, 2018 (with Dave Swanson, Jack Baker, and Lucky Tedrow)
- Measuring Uncertainty in Population Projections. In Proceedings of the Sixth Eurostat/UNECE Work Session on Demographic Projections. National Institute of Statistics, Rome, Italy, 2014 (with Dave Swanson).
- New Directions in Population Forecasting. In Proceedings of the 4th International Conference on Prediction and Non-Linear Dynamics. Institute of Information Technologies, Faculty of Technology, Tomas Bata University, Zlin, Czech Republic, 2001. (with Stan Smith and Dave Swanson).
- On Measuring Accuracy in Subnational Demographic Forecasts. In Proceedings of the 52nd Session of the International Statistical Institute. International Statistical Institute, Voorburg, Netherlands, 1999. (With Charlie Barr and Dave Swanson)
- Population and Employment Estimates for Micro-Geographic Areas. In Proceedings of International Conference on Applied Demography. Bowling Green State University, Bowling Green, OH, 1994.

CONFERENCE PARTICIPATION

Contributed Papers

- Forecasting with Spatial Dependencies. Canadian Population Society. Vancouver, BC, June 2019 (with David Swanson, Jack Baker, and Lucky Tedrow)
- A Note on Rescaling the Arithmetic Mean for Right-Skewed Positive Distribution. Population and Public Policy Conference. Albuquerque, NM, February 2019 (with David Swanson and Tom Bryan)
- A Short-Term Forecast of Major League Pitchers Using the Hamilton-Perry Method. Joint Statistical Meetings. Vancouver, BC, August 2018 (with David Swanson, Jack Baker, and Lucky Tedrow)
- Forecasting with Spatial Dependencies. Southern Demographic Association. Morgantown, WV, October 2017 (with David Swanson, Jack Baker, and Lucky Tedrow)
- Forecasting with Spatial Dependencies. Conference for Population Geographies. Seattle, WA, July 2017 (with David Swanson, Jack Baker, and Lucky Tedrow)
- Using Modified Cohort Change and Child Woman Ratios in the Hamilton-Perry Forecasting Method. Southern Demographic Association. Athens, GA, October 2016. (with Dave Swanson). Received Walt Terrie Award for outstanding paper in applied demography.
- Forecasting With Modified Cohort Change and Child Woman Ratios. British Society for Population Studies. Winchester, UK, September 2016. (with Dave Swanson)
- Measuring Uncertainty in Population Forecasts: A New Approach Employing the Hamilton-Perry Method. British Society for Population Studies. Winchester, UK, September 2014. (with Dave Swanson)
- Measuring Uncertainty in Population Forecasts: A New Approach Employing the Hamilton-Perry Method. Federal State Cooperative Program on Population Projections. Boston, MA, March 2014. (with Dave Swanson)
- A New Approach for Measuring Uncertainty in Population Projections. Applied Demography Conference. San Antonio, TX, January 2014. (with Dave Swanson)
- The Accuracy of the Hamilton-Perry Method for Forecasting State Populations by Age: A Long Term Test Using Four Randomly Selected U.S States. Applied Demography Conference. San Antonio, TX, January 2014. (with Dave Swanson)
- De Facto Population Estimates: Why are They Important? UC Irvine Demographic and Social Analysis Program, Fall Symposium. Irvine, CA, October 2012. (with Dave Swanson)
- On the Ratio-Correlation Regression Method of Population Estimation and its Variants. European Population Conference. Stockholm, Sweden, June 2012. (with Dave Swanson)
- On Estimating a De Facto Population and Its Components. European Population Conference. Stockholm, Sweden, June 2012. (with Dave Swanson)
- A “Blind” Ex Post Facto Evaluation of Total Population and Total Household Forecasts for Small Areas Made By Five Vendors: Results by Geography And Error Criteria. Canadian Population Society Meeting. Ontario, Canada, May 2012. (with Jerry McKibben, Matt Cropper, and Dave Swanson)

On Estimating a De Facto Population and its Components. Applied Demography Conference. San Antonio, TX, January 2012. (with Dave Swanson)

On the Ratio-Correlation Regression Method of Population Estimation and its Variants. Applied Demography Conference. San Antonio, TX, January 2012. (with Dave Swanson)

Uncertainty in Subnational Forecasts: State of the Practice. Computers in Urban Planning and Urban Management 2011 Conference. Lake Louise, Alberta, Canada, July 2011.

MAPE-R: A Rescaled Measure of Accuracy for Cross-Sectional Forecasts. Population Association of America Meeting. Washington, DC. April 2011. (with Dave Swanson and Tom Bryan)

Assessing Uncertainty in Small Area Forecasts: State of the Practice and Implementation Strategy. Southern Demographic Association Meeting. Knoxville, TN, October 2010.

MAPE-R: A Rescaled Measure of Accuracy for Cross-Sectional Forecasts. British Society for Population Studies Conference. Exeter, UK, September 2010. (with Dave Swanson and Tom Bryan)

MAPE-R: A Refined Measure of Accuracy for Ex Post Evaluation of Estimates and Forecasts. 30th International Symposium on Forecasting. San Diego, CA, June 2010. (with Dave Swanson and Tom Bryan)

Evaluating Population Forecast Errors: A Regression Approach Using County-Level Data. Applied Demography Conference. San Antonio, TX, January 2010. (with Stan Smith and Stefan Rayer)

An Examination of the Determinants of Population Forecast Error for Counties. Southern Demographic Association Meeting. Greenville, SC, October 2008. (with Stan Smith and Stefan Rayer)

Empirical Prediction Intervals for County Population Forecasts. Population Association of America Meeting. New York, NY, April 2007. (with Stefan Rayer and Stan Smith)

Census Data for Transportation Planning, Analysis, and Implementation. Southern Demographic Association Meeting. Durham, NC, November 2006. (with Kristen Rohanna)

Prediction Intervals for County Population Forecasts. British Society for Population Studies Conference. University of Southampton, Southampton, UK, September 2006. (with Stefan Rayer and Stan Smith)

Prediction Intervals for County Population Forecasts. Southern Demographic Association Meeting. Oxford, MS, November 2005. (with Stefan Rayer and Stan Smith)

Keys to Successful Data Development Partnerships. North American Travel Monitoring Exposition and Conference. Coronado, CA, June 2004.

Confidence Intervals for Population Forecasts: A Case Study of Time Series Models for States. Population Association of America Meeting. Boston, MA, April 2004. (with Stan Smith)

An Evaluation of Population Projections by Age. Southern Demographic Association Meeting. Washington, DC, October 2003. (with Stan Smith). Received Walt Terrie Award for outstanding paper in applied demography.

Integrating and Analyzing Land Use, Land Cover, and Activity Information Using remote Sensing Technology. Third National Symposium on Remote Sensing for Transportation. Denver, CO, November 2002.

MAPE-R: Its Features and Results from a National Block-Group Test. Meetings of the American Statistical Association. New York, NY, August 2002. (with Dave Swanson, Tom Bryant, and Charlie Barr)

An Evaluation of State Population Projections by Age. Population Association of America Meeting. Atlanta, GA, May 2002. (with Stan Smith)

New Directions in Population Forecasting. 4th International Conference on Prediction and Non-linear Dynamics. Tomas Bata University, Zlin, Czech Republic, September 2001. (with Stan Smith and Dave Swanson)

Developing Age-Specific Migration Typologies for Small Area Population Estimates. Population Association of America Meeting. Washington, DC, March 2001. (with Ed Schafer and Charles Rynerson)

Leveraging Extant Data to Meet Local Information Needs: A Case Study In Team Applied Demography. Population Association of America Meeting. Los Angeles, CA, March 2000. (with Peter Morrison, Carol Popoff, Irina Sharkova, and Dave Swanson)

We are what We Measure: Toward a New Approach for Assessing Population Forecast Accuracy. Southern Demographic Association Meeting. San Antonio, TX, October 1999. (with Dave Swanson and Charlie Barr) Received Walt Terrie Award for outstanding paper in applied demography.

On Measuring Accuracy in Subnational Demographic Forecasts. 52nd meeting of the International Statistical Institute. Helsinki, Finland, August 1999. (with Dave Swanson and Charlie Barr)

On the Measurement of Accuracy of Subnational Population Estimates. U.S. Bureau of the Census Population Estimates Conference. Washington, DC, June 1999. (with Dave Swanson and Charlie Barr)

In Search of the Optimal Measure of Error for Demographic Forecasts. Population Association of America Meeting. New York, NY, March 1999. (with Charlie Barr and Dave Swanson)

Preparing Subcounty Population Estimates: An Evaluation of Two Sources of Administrative Records. Population Association of America Meeting Chicago, IL, April 1998. (with Charles Rynerson)

An Integrated System for Estimating Subcounty Household Income Distributions. Population Association of America Meeting. Washington, DC, May 1997. (with Charles Rynerson)

The Effect of Outliers and Asymmetrical Distributions on Measures of Forecast Error. Population Association of America Meeting. Washington, DC, May 1997. (with Dave Swanson)

The Role of Forecasting in Public Policy. Population Association of America Meeting. New Orleans, LA, May 1996.

An Evaluation of Subcounty Estimates by Age and Ethnicity. Population Association of America Meeting. New Orleans, LA, May 1996. (with Charles Rynerson)

Forecasting, Growth Management, and Local Decision Making. International Forecasting Symposium. Toronto, Canada, June 1995.

Alternative Measures for Evaluating Population Forecasts: A Comparison of State, County and Sub-county Geographic Areas. Population Association of America Meeting. San Francisco, CA, April 1995. (with Dave Swanson)

Forecasting Errors and Confidence Intervals for Small Area Population Forecasts: The Relationship Among Population Size, Rate of Growth, and Precision and Bias. Population Association of America Meeting. San Francisco, CA, April 1995. (with Ed Schafer and Larry Carter)

On the Utility of Lagged Ratio-Correlation as a Short-term County Population Projection Method: A Case Study of Washington State. International Conference on Applied Demography. Bowling Green, OH, September 1994. (with Dave Swanson and Don Beck)

Between a Rock and a Hard Place: The Evaluation of Demographic Forecasts. XIVth International Forecasting Symposium. Stockholm, Sweden, June 1994. (with Dave Swanson)

Confidence Intervals for Small Non-Standard Geographical Area Populations. XIVth International Forecasting Symposium. Stockholm, Sweden, June 1994. (with Ed Schafer and Larry Carter)

Confidence Intervals for Small Area Population Forecast Error: A Repeated Sampling Approach. Population Association of America Meeting. Miami, FL, May 1994. (with Ed Schafer and Larry Carter)

Measuring the Utility of Population Projections. Ohio Academy of Sciences Conference. Toledo, OH, April 1994. (with Dave Swanson)

The Accuracy of Census Tract Population Forecasts. American Statistical Association Conference. San Francisco, CA, August 1993.

Can we Accurately Project Small Area Populations? Population Association of America Meeting. Cincinnati, OH, March 1993.

An Evaluation of Subcounty Population Forecasts. Urban and Regional Information Systems Conference. Atlanta, GA, July 1992.

Demographics and Crime. Western Association of Criminology. San Diego, CA, February 1992.

Population and Housing Estimates for Micro-Geographic Areas: A Blend of GIS and Demographic Techniques. Population Association of America Meeting. Washington, DC, March 1991.

Impact of Illegal Immigration on the Criminal Justice System. Academy of Criminal Justice Sciences Meeting. Washington, DC, April 1989. (with Suzie Pennell and Chris Curtis)

Improvements to the Projective Land Use Model for Producing Small Area Forecasts. Population Association of America Meeting. Baltimore, MD, March 1989.

Population Estimates for Micro-level Geographic Areas. Pacific Sociological Association Conference. Las Vegas, NV, April 1988.

Postcensal Estimates of Household Income Distributions Using a Modified Lognormal Probability Function. Population Association of America Meeting. Chicago, IL, April 1987. (with Lois Fonseca)

Linking the Demographic and Information Needs of Businesses, State and Local Governments, and Universities. Conference on Applied Demography. Bowling Green, OH, September 1986.

- An Integrated System for Subcity Population Estimation. Population Association of America Meeting. San Francisco, CA, April 1986.
- A Methodology and Computer System for Preparing Population Estimates for Census Tracts. Urban and Regional Information Systems Conference. Ottawa, Canada, August 1985.
- Demographic Data Information and Computerized Retrieval Sources. Computer Planning Workshop sponsored by the American Planning Association. San Diego, CA, November 1982.
- Current and Future Demographic and Economic Trends in the San Diego Region. Conference on Future Policing Issues. San Diego, CA, October 1982.
- The Impact of Temporal Instability and Measurement Error on the Accuracy of Ratio-Correlation Population Estimates. Population Association of America Meeting. San Diego, CA, April 1982. (with Ed Schafer)
- Social and Economic Implications of Changing Demographic Trends in the 1980's. Labor Market Information Workshops, Washington State Occupational Information Coordinating Committee. Olympia, WA, May-August 1981.
- Ridge Regression for Population Estimation: Some Insights and Clarifications. Population Association of America Meeting. Washington, DC, March 1981. (with Felix Dellasandro)
- Academic versus Applied Careers in Demography. Applied Sociology Colloquium. Washington State University. Pullman, WA, November 1980.
- Confidence Intervals for Postcensal State Population Estimates. Population Association of American Meeting. Denver, CO, April 1980. (with Tom Espenshade)
- Total and Occupied Housing Units as Useful Symptomatic Indicators in Population Estimation Models. Federal-State Cooperative Program for Population Estimates. Denver, CO, April 1980.
- Future Population Trends in the Northwest. Northwest Institutional Research Council Conference. Seattle, WA, March 1980.
- A Test of the Accuracy of the Ratio-Correlation and Difference-Correlation Methods in States with Varying Growth Rates. Southern Regional Demographic Group Meeting. Myrtle Beach, SC, October 1979. (with Marylou Mandel)
- Components of Demographic Change and Their Effect on Municipal Expenditures in Central Cities. Southern Regional Demographic Group Meeting. San Antonio, TX, October 1978. (with Ed Schafer)
- Changing Metropolitan Morphology and Municipal Service Expenditures in Cities and Rings 1960-1970. Population Association of America Meeting. Atlanta, GA, April 1978. (with Dave Sly)
- The Theory of Ecological Expansion and Patterns of Metropolitan Net Migration. American Sociological Association Meeting. Chicago, IL, September 1977. (with Dave Sly)
- Metropolitan Expansion and Commutation. Southern Regional Demographic Group Meeting. New Orleans, LA, October 1976.

Invited Presentations

- Demography and The Economy: Glimpses Now and into the Future. Coronado Roundtable. Coronado, CA, January 2016
- Prediction Intervals for Population Forecasts by Age. Population Association of American Meetings. San Diego, CA, April 2015 (with Dave Swanson).
- Measuring Uncertainty in Population Forecasts: A New Approach. Joint Eurostat-UNECE-ISTAT Work Session on Demographic Projections. Rome, Italy, October 2013.
- American Community Survey Migration Data: Opportunities and Challenges. COG/MPO Mini Conference on Socioeconomic Modeling. San Diego, CA, July 2013.
- Subcounty Demographic Characteristic Projections: The Hamilton Perry Method. COG/MPO Mini Conference on Socioeconomic Modeling. San Diego, CA, July 2013.
- Using the American Community Survey in Small Area Estimation. COG/MPO Mini Conference on Socioeconomic Modeling. San Diego, CA, July 2012.
- A User's Perspective on the American Community Survey. COG/MPO Mini Conference on Socioeconomic Modeling. San Diego, CA, July 2010.
- Uncertainty in Disaggregate Socioeconomic Forecasts. COG/MPO Mini Conference on Socioeconomic Modeling. San Diego, CA, July 2009.
- Advancing Urban Systems Models in the 21st Century. Randall Lewis Seminar Series, University of California, Riverside. Riverside, CA, February 2008.
- Keynote Address, The Demographic Outlook for Higher Education and Health Care. Association of Schools of Allied Health Professions. San Diego, CA, October 2007.
- Historical and Current Developments in Urban Spatial Modeling. Southern Demographic Association Meetings. Birmingham, AL, October 2007.
- Applied Demography in Local and Regional Government. Graduate and Faculty Symposium, Institute for Demographic and Socioeconomic Research, University of Texas at San Antonio. San Antonio, TX, February 2007.
- Keynote Address, Keeping San Diego Moving with Good Information. North American Travel Monitoring Exposition and Conference. Coronado, CA, June 2004.
- The Use of Population Projections for Policy Analysis and Planning, Federal-State Cooperative Program for Population Projections. Los Angeles, CA, March 2000.
- Postcensal Population Estimates for Census Blocks: The San Diego Experience. U.S. Bureau of the Census Population Estimates Conference. Washington, DC, June 1999.
- Using Spatially Referenced Data in Demographic Applications. Population Association of America Meeting. New York, NY, March 1999.
- Innovations in Land Use Modeling: MEDPLAN. Urban and Regional Information Systems Conference. Salt Lake City, UT, July 1996.
- Innovations in Land Use Modeling: DRAM/EMPAL. Urban and Regional Information Systems Conference. Salt Lake City, UT, July 1996.
- Small-Area Forecasting: The San Diego Experience. Federal-State Cooperative Program for Population Projections. New Orleans, LA, May 1996.

Issues for the 2000 Census. Population Association of America Meeting. New Orleans, LA, May 1996.

On the Stochastic Properties of Subcounty Forecast Errors. Economics Policy Seminar, Portland State University. Portland, OR, March 1996.

Land Use Models: The Practitioners View. Urban and Regional Information Systems Conference. San Antonio, TX, July 1995.

Teaching Applied Demography. Population Association of America Meeting. San Francisco, CA, April 1995.

The Projective Land Use Model for Producing Small Area Forecasts. Second Annual Demographic Workshop, University of Southern California. Los Angeles, CA, May 1989.

Interpreting Population Projections. Bay Area Association of Governments Workshop. Oakland, CA, March 1988.

Modeling Urban Growth. Urban and Regional Information Systems Association Workshop. Los Angeles, CA, November 1987.

Discussant

Innovations in State and Local Population Estimation. Population Association of America Meeting. Boston, MA, April 2004

Making Decisions: Case Studies in Applied Demography. Population Association of America Meeting. Los Angeles, CA, March 2000.

Statistical Methods for Standardized Comparisons. American Statistical Association Conference. Anaheim, CA, August 1990.

Utilizing Geographic Information System Techniques in Demographic and Economic Estimates. Third Annual Demographic Workshop. University of Southern California, April 1990.

Methodological Advances in Applied Business Demography. Population Association of American Meeting. Baltimore, MD, March 1989.

Methodological Advances in State and Local Demography. Population Association of America Meeting. New Orleans, LA, April 1988.

Session or Panel Chair

Chair, Urban Planning . Computers in Urban Planning and Urban Management 2011 Conference. Lake Louise, Alberta, Canada, July 2011.

Chair, A New Generation of Integrated Land Use and Transportation Models. Southern Demographic Association Meeting. Birmingham, AL, October 2007.

Co-Chair, Issues in Estimation and Forecasting. Applied Demography Conference. San Antonio, TX, January 2007.

Chair, The Census at the Dawn of the 21st Century. Southern Demographic Association Meeting. Durham, NC, November 2006.

Chair, New Data and Directions in the Bureau of Transportation Statistics. Urban and Regional Information Systems Conference. San Antonio, TX, July 1995.

Chair, Small Area Demographic and Economic Estimates and Projections. Population Association of America Meeting. Boston, MA, April 1985.

Chair, State and Local Demographic Estimates. Population Association of America Meeting. Minneapolis, MN, May 1984.

OTHER SERVICE

Reviewer, *Asian Population Studies*, *Canadian Population Studies*, *Demographic Research*, *Demography*, *International Journal of Forecasting*, *Journal of the American Planning Association*, *Journal of Population Research*, *Journal of the Royal Statistical Society*, *Population Research and Policy Review*, *SpringerBriefs*, *The Open Demography Journal*, *Washington State University Press*, *Western Criminology Review*

Board Member, International Association of Applied Demography, 2018-

Member, Population Association of America and Southern Demographic Association

Docent, USS Midway Museum, 2007 - present

Member, Editorial Advisory Board, *The Open Demography Journal*, 2007 – present

Advisor, State of Washington Population Forecast, September 2009 - 2017

Member, San Diego Assoc. of Governments Forecast Review Committee, 2008 - 2017

Member, San Diego Assoc. of Governments Impacts of Border Delays Committee, 2017

Member, San Diego Assoc. of Governments Activity-Based Travel Model Committee, 2009 - 2012

Member, San Diego Assoc. of Governments PECAS Model Committee, 2008 - 2012

Program Committee, Computers in Urban Planning and Urban Mgt. 2011 Conference

Member, CALSIIM Technical Advisory Committee, 2007 - 2011

Contributor, Focus 2050 prepared by the San Diego Foundation, 2008

Member, FHWA and FTA Model Peer Review Panels, 2003 - 2006

Member, State of California Forecast Working Group, 2005 - 2006

Grant reviewer, National Institutes of Health, 2005 - 2006

Member, National Research Council Committee on Census and Transportation 2003 - 2005

Member, National Research Council Committee on Remote Sensing and Spatial Information Technologies for Transportation, 2000 - 2003

Chair, Population Association of America Committee on Applied Demography, 2000

Member, Population Association of America Committee on Applied Demography, 1997 - 1999