

**VITA: Shiro Horiuchi**

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**ADDRESS:**

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**PERSONAL DATA:**

Born in Tokyo, Japan, on July 8, 1947.  
Citizen of Japan, with U.S. permanent residence (greencard).

**EDUCATION:**

1966-72, Keio University, Tokyo. B.A. (1970) and M.A. (1972) in Sociology.  
1975-79, Johns Hopkins University. Ph.D. (1981) in Sociology.

**EMPLOYMENT:**

Consultant Market Researcher, Tokyo, 1972-1975.  
Lecturer, Program in Marketing, Japan Productivity Center, Tokyo, 1973-1975.  
Lecturer, Department of Sociology, Keio University, Tokyo, 1974-1975.  
Research Assistant, Department of Population Dynamics and Department of Social Relations,  
Johns Hopkins University, Baltimore, MD, 1976-1978.  
Teaching Assistant, Department of Mathematical Sciences, Johns Hopkins University, Baltimore,  
MD, 1978.  
Research Associate, Office of Population Research, Princeton University, Princeton, NJ, 1979-  
1981.  
Population Affairs Officer, Population Division, United Nations, New York, NY, 1981-1990.  
(Population Trends and Structure Section, 1981-1983; Estimates and Projections Section,  
1983-1990.)  
Assistant Professor (1991-1996), Associate Professor (1996-2002), Research Associate Professor  
(2002-2007, on leave 2007-2009), Adjunct Faculty Member (2009-present), Laboratory of  
Populations (Joel E. Cohen Laboratory), Rockefeller University, New York, NY.  
Professor, CUNY School of Public Health at Hunter College (formerly Program in Urban Public  
Health, School of Health Sciences, Hunter College), the City University of New York, 2007-  
present.  
Faculty Associate, CUNY Institute for Demographic Research, New York, NY, 2007-present.  
Coordinator, MPH Program in Epidemiology and Biostatistics, CUNY School of Public Health at  
Hunter College, 2009-2010.

Part-time Faculty Member, Department of Mathematics and Statistics, Hunter College, 2009-present.

Coordinator, Certificate Program in Demography, CUNY Graduate Center, 2010-present.

Professor, DPH Program in Public Health, CUNY Graduate Center, 2010-present.

#### SELECTED PROFESSIONAL SERVICES:

Committee on Comparative Mortality Patterns, International Union for the Scientific Study of Population, 1985-1989. (The committee organized three international seminars in: Siena, Italy; Yaounde, Cameroon; and Beijing, China, and published two books from the Oxford University Press. Horiuchi was primarily responsible for organizing the seminar in Beijing.)

Lecturer, International Training Workshop on Demographic Methods (organized by UNDTCD and the Central Statistical Office of Hungary, for training statisticians in developing countries), Budapest, 1985.

Advisory Board, *Mathematical Population Studies*, 1987-1990.

Ad-hoc member, Initial Review Group, Social Sciences and Population Study Section, NIH, 1997-1999, and member, various Program Project (P01) review groups, NIH, 1997-present.

Editorial Board, *Journal of Population Problems*, (published by the National Institute for Population and Social Security Research, Japan), 1997-2011.

Scientific Review Board, *Demographic Research*, (published by the Max Planck Institute for Demographic Research, Germany), 1999-present.

Committee on Longevity and Health, International Union for the Scientific Study of Population, (1999-2004). (The committee organized three international seminars in Montpellier, Beijing, and New York, and published two books and one special issue of a journal based on the seminars. Horiuchi was primarily responsible for organizing the seminar in New York.)

Regular member, Initial Review Group, "Social Sciences, Nursing, Epidemiology and Methods Study Section 3" (SNEM-3), Center for Scientific Review, National Institutes of Health (1999-2003).

Lecturer in the multi-lecturer course on "The Epidemiology and Genetics on Aging", School of Public Health, Columbia University, 2001, 2009, 2011.

Lecturer, Stanford Summer Workshop in Formal Demography, Stanford University, 2005.

Lecturer, Risk Professional College Mastery Course (AXA Financial Protection Group), Columbia University, 2006.

#### HONORS:

Fellow, Koizumi Memorial Fund, 1973-1975.

Hopkins Graduate Fellowship, Johns Hopkins University, 1976-1979.

Special Emphasis Research Career Award, National Institutes of Health, 1993-1998.

Independent Scientist Award, National Institutes of Health, 1998-2003.

#### EXTERNAL RESEARCH SUPPORT:

National Institutes of Health (NIH R01AG10518). Old-age mortality: life-table aging rate analysis. P.I. 1992-1996.

National Institutes of Health (NIH K01AG00554). Relationships between aging and mortality. P.I. 1993-1998.

National Institutes of Health (NIH K02 AG00778). Biodemographic analysis of aging trajectories. P.I. 1998-2003.

National Institutes of Health (NIH R01 AG14698). Quantitative analysis of aging rate patterns. P.I. 1998-2004.

National Institutes of Health (NIH R13 AG021466). Increasing longevity: causes, consequences, and prospects. P.I. (Co-P.I., Jean-Marie Robine) 2003-2004.

National Institutes of Health (NIH R01 AG11552). Longevity and mortality in industrial societies (2004-2010). Studies in global mortality (2010-2015). Site P.I. (P.I., John R. Wilmoth).

National Institutes of Health (NIH R01 AG040245). Variability of mortality levels and trends by State in the United States. Site P.I. (P.I., John R. Wilmoth). 2012-2016.

#### AREAS OF SPECIALIZATION:

Demography (of Mortality and Longevity); Statistics;  
Demographic Methodology; Mathematical Demography.

#### SELECTED SCIENTIFIC CONTRIBUTIONS (made through multiple publications):

Development of the life table aging rate analysis (in collaboration with A. J. Coale and J. R. Wilmoth) and advancement of the theory of log-convex relationship between chronological age and risk of adult human mortality *on the individual level*.

Discovery of the general equation of age structure of population and development of demographic methods based on the equation (in collaboration with N. G. Bennett, A. J. Coale, and S. Preston).

Development of the line-integral model of decomposition analysis (in collaboration with J. R. Wilmoth and S. Pletcher).