

**SAWAKO TAKEUCHI Ph.D.**

**Ph.D. Economics and Ph.D. Engineering**

**Special Adviser, The Ministry of Education, culture, sport and Science and Technology**

## **EDUCATION AND DEGREES**

**2001 Ph.D. Engineering, Department of Engineering, Tokyo University**

*Proposed integrated and holistic methodologies of urban planning on a provision of social infrastructure and of involvement of civil societies, including comparative study of European and Japanese system of decision making and its administrative reforms.*

**2004 Ph.D. Economics, Department of Economics, Toyo University**

*Conducted an analytical research on water management system in Japan in view of social welfare and price policy by using several indicators. Implemented quantitative research on cost effectiveness and investment optimization of that system, with case simulation of public-private partnership.*

**1975 B.A Law, Law Department, Waseda University**

*Major in International Law, focus on international control of natural resources. Submitted paper on a management of the Pacific salmon fisheries in the exclusive economic zone (EEZ).*

**1978 M.A. Political Science, Law department, Nihon University**

*Pursued development economics and “structural change theory” by focusing on changing structures of both developing and developed countries. Redefining the economic and social “structures”, with reference to the French economic thoughts.*

## **PROFESSIONAL EXPERIENCES**

**2016- Special Adviser, The Ministry of Education, culture, sport and Science and Technology**

**2011-2016 President, Maison de la Culture du Japon à Paris, The Japan Foundation**

*Planning and Management of a cultural Institute which is an inter-governmental organization to promote mutual understanding through multiple activities including development of cross-cultural presentation, diffusion of information and distance-learning system. The office has 50 staffs with budget of 10 million dollars. During last three years, the number of visitors doubled, that of language section increased tenfold.*

**2010 -2013 Research head of 5 year research project on sustainability and technology transfer, Japan International Cooperation Agency (JICA)-JST**

*Conducted a research on social scheme for low carbon economy in India through implementation of Pilot projects. Measurement, monitoring and evaluation system was applied in this research.*

**2006-2011 Professor, Graduate School of Engineering, Department of Urban**

### **Engineering and Environment, Kyoto University**

Responsibilities include 1) teaching on environmental economics 2) Project promotion based upon alliance of university-private companies for research and education 3) leading global leadership program with MEXT 4) Research on craftsmanship and advanced technologies 5) cultural heritages in urban design

### **2006-2010      Director, Leadership program for sustainability and humanity Nissan Science Foundation**

Designed international program for young leaders. « Value creation for sustainability and humanity » is the main line of deployment of training. Solution oriented, responding to social demands, advancement of technologies and social entrepreneurship were taken account for project creation.

### **2006-2011      Project leader, ICT based energy and Co2 management systems, Kansai Electric Company (KEPCO)**

Investigated energy demand situation in Asian countries and designed monitoring system of CO2 reduction by ICT, including carbon credit and Clean Development Mechanism.

### **2006-2009      Project leader, Information Sharing Mechanism among Asian countries Ministry of Foreign Affairs, Japan**

Develop new methods with the OECD and ESCAP, to measure the progress of societies, integrating the economic, social and environmental indicators and reliable statistics and data. In 2008, organized the international conference in Kyoto as the chair on how to measure social welfare among Asian countries.

### **2005-2010      Chair, Result Management Council, GFDRR (Global Facility for Disaster Reduction and Recovery), the World Bank**

Taking into account human suffering and economic losses from disasters, work with the World Bank Group, United Nations/International Strategy for Disaster Reduction (UN/ISDR), for vulnerability reduction, particularly in countries prone to multiple disaster risks. Develop indicators for assessing progress on disaster risk reduction. Explored key policy and institutional issues and developed a common action plan for risk mitigation.

### **2005              Candidate for the OECD secretary general**

### **2004-2006      Economist and Financial analyst, China-Sichuan Urban Development Project, The World Bank**

The Sichuan Urban Development Project for China improves core urban functions in an equitable and resource efficient manner by removing identified infrastructure bottlenecks, transport, and environmental conditions in four second-tier cities in Sichuan Province. Provided Institutional Development and Capacity Building (IDCB) to the project municipalities.

### **2003-2009      CEO, Urban Design 21 Co.Ltd**

Help municipalities improve urban planning and management capacities related to spatial planning, land management, transport planning, and utility and asset management.

**2002-2004      Professor of economics, Graduate School of Welfare Society Design,  
Toyo University**

*Responsible for open course to working people. Train not only researchers, but also personnel with a high professional expertise by promoting collaboration with on-site practices, and establishing a system where people in the laboratory and those working on-site can mutually exchange ideas and research achievements.*

**1998-2002      Associate Professor, Department of Civil Engineering,  
The University of Tokyo**

*The first female professor nominated in the 120 year history of Tokyo University in the field of engineering. Responsible for teaching on urban planning and management of municipal infrastructure and for economic theories.*

**1992-1998      Chief Economist, Long Term Credit Bank of Japan**

*Financial analysis of public sector, evaluation of post-privatization process  
Europe-Japan Cross cultural analysis on social security system*

**1988-1994      Vice-President and professor, Graduate School of International management ,  
Ecole Nationale des Ponts et Chaussées, Paris, France**

**1987-1988      Invited Professor, Centre of Asian Economies, Université Paris I  
Panthéon-Sorbonne, invited by French ministry of foreign affairs**

**1984-1985      Research Associate, Institut des Sciences Mathématique et Economiques  
Appliquées, Paris (France)**

*Studied applied economics and multicultural studies of Claude Levy Strauss under the guidance of Pr. Francois Perroux of Collège de France. .*

## **KEY SKILLS**

- ◆ Professional management and negotiation skills
- ◆ Long academic carriers (more than 20 years) at leading universities
- ◆ Entrepreneurship for business creation and management
- ◆ High level knowledge of cross-field, cross- culture and interdisciplinary approaches
- ◆ High level communication of both English and French language

## **GOVERNMENT /CORPORATE ADVISERS**

*Ambassador and Special Advisor to the Minister for Foreign Affairs, Ministry of Foreign Affairs (2006 -2008)*

*Member of Strategic Committee, Prime Minister Obuchi's cabinet (1998-2000)*

*Member, Tax Council, Ministry of finance, Japanese government (1994-2004)*

*Member, Decentralization committee, Prime minister's cabinet, Japanese government*

*Member of inspection, Administrative reform committee, Ministry of internal affairs (2001-2005)*

*Board member, TERUMO Medical Instrument Corporation (2007-2010)*  
*Member of the Advisory Board, Sumitomo Trading Corporation (2006-2010)*  
*Member of Advisory board, SHISEIDO (2003-2006)*  
*Member of Advisory board to the president, Asahi Newspaper (2000-2003)*  
*Columnist, Asahi Newspaper (2005-2007)*  
*Member of book review committee, Yomiuri Newspaper (2000-2003)*  
*Advisor to the President, Japan Bank for International Cooperation (2007-2010)*  
*Member for Accounting Principle, Financial Agency of the Japanese government*

#### PUBLICATIONS (only books listed)

- ◆ *Particularity and universal aspects of technology development, Society and technology 5<sup>th</sup> edition, Maruzen publishing company. 2012*
- ◆ *Urban Policy, Nihon Keizai Hyoron-sha, Tokyo, 2006*
- ◆ *Urban System and Industrial System, Japan's Industrial System Vol.9,: NTT Publications, Tokyo, 2003.*
- ◆ *Institutional Design of Public Management: NTT Publications, Tokyo, 2002.*
- ◆ *Social Infrastructure toward the 21st Century: the European Challenge: San-kaidoh, Tokyo, 1999.*
- ◆ *Integration of Europe, Diversity and Universality: PHP Institute, Tokyo, 1992.*

**AWARDS**

Chevalier, L'Ordre National de Merite, French government

Chevalier, L'Ordre National des Arts et des Lettres, French government

Professor of tea ceremony, nominated by Urasenke, Kyoto, Japan

**PERSONAL INFORMATION**

*Gender: Female*

*Language: Japanese, English, French, some Spanish*

*Marital status: married*

*Pianist and Calligrapher*