



News Release

October 23, 2012

Visit of Dr. Saburo Matsui to Bahrain, Professor Emeritus, Kyoto University

1. In line with the long-term cooperation between Japan and the Kingdom of Bahrain in the various fields which was highlighted lately by H.M. the King's visit to Japan last April, the Embassy of Japan in the Kingdom of Bahrain is pleased to announce that a Japanese prominent University Professor, Dr. Saburo Matsui, will visit Bahrain from October 30th to November 5th, to exchange information with concerned Ministries and Universities regarding his various research fields such as solid waste management, water pollution control, sewage treatment, ecological sanitation, building sustainable urban agriculture, etc and discuss possible cooperation between Japanese Research Institute and Bahrain.
2. During his visit to Bahrain, Professor Saburo Matsui will make two special seminars. One Seminar will be about "Modernization and Industrial Development of Japan" This event will be held at The Regency InterContinental Hotel from 13:00 hrs. to 15:00 hrs on Sunday, November 4th, under the Patronage of H.E. Dr. Hassan Fakhro, Minister of Industry and Commerce, sponsored by Nomura Bahrain-Japan Friendship Fund and jointly hosted by The Bahrain-Japan Business and Friendship Society and Embassy of Japan. Opening Remarks will be delivered by H.E. Dr. Hassan Fakhro - Minister of Industry and Commerce, H.E. Shigeki Sumi - Ambassador of Japan to the Kingdom of Bahrain. Mr. Takuya Furuya – Committee Chairman of Nomura Bahrain-Japan Friendship Fund and Mr. Nasser Al Arayedh - Deputy President of The Bahrain-Japan Business and Friendship Society.

The other Seminar will be about "A Comprehensive Project of Water and Solar for Construction of Advanced Agro-Urban Society Based upon Nutrient Recycle for Kingdom of Bahrain". This event will be held at the Department of Engineering, University of Bahrain (Isa Town Campus) from 11:00 a.m. to 13:00 hrs. on Monday, November 5th. Government Officials, Businessmen, University Academics, and Students are invited to this event. Professor Matsui hopes to explore whole new cooperation between the two friendly countries. Please see Dr. Matsui's profile and details of his seminars as below.

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As Nov. 4th event will be a seated lunch event, for those interested to attend, kindly contact Embassy of Japan no later than Wednesday, October 24th to confirm attendance. For further information in regard to this press release, media inquiries can be directed to Mr. Hiroto Asaoka, Cultural Affairs Section of Japanese Embassy at 17716565 and hiroto.asaoka@mofa.go.jp or to Japan Embassy's Web site at <http://www.bh.emb-japan.go.jp/index.htm>

Short profile - S.Matsui 2012



Dr. Saburo Matsui, (BC. Eng (Kyoto Univ.1966)., MS. Eng.(Kyoto Univ.1968), Ph.D.(Univ. of Texas at Austin,1972)) Emeritus Professor Kyoto University(2007), His research field is very wide in solid waste management and water pollution control including industrial waste water treatment, sewage treatment, ecological sanitation, eutrophication control of lakes, and micro-pollutant control of heavy metals, DNA damaging and endocrine disturbance. He organized a national research project of endocrine disruptors (2001-05). He has contributed to International Water Association and was awarded a Honorary Membership. He is a Member of The Engineering Academy of Japan, a Fellow of Japan Society of Civil Engineers, a Fellow of Institute of Civil Engineering (UK), and a Honorary member of Society of Environmental Instrumentation Control and Automation, Japan, and members of many international and Japanese scientific societies. He was a member of Scientific and Technical Panel of Global Environmental Facility, United Nations (2004-2008) and a member of Scientific and Program Committee of Stockholm World Water Weeks (1996-2008). He was Secretary of Scientific Committee of International Lake Environment Committee Foundation (1986-2007). He is a member of Ad hoc Committee for Japanese Prime Ministers, Yasuo Fukuda and Taro Aso, for Global Warming Measures (2008-9).

He was given many awards including Distinguished Achievement Award, Society of Environmental Science, Japan 2012, Distinguished Services Award of Japan Sewage Works 2011, Academy of Distinguished Alumni of Civil, Architectural and Environmental Engineering, The University of Texas at Austin(2008), Academic Prize, Japan Society on Water Environment(2002), Vollenweider Lectureship in Aquatic Sciences, Canadian National Water Research Institute, Environment Canada (1995), Distinguished Lecture Prize, Association of Environmental Engineering Professors, North America(1993),etc.

◆ Main Specific Publication

Bacillus Subtilis: Molecular Biology and Industrial Application , Kodansha,. 1989,
Environmental Pollution Control: The Japanese Experience, UNU International
Symposium on Eco-Restructuring, The United Nations University, 1993
Guidelines of Lake Management,-The World Lakes in Crisis, ILEC and UNEP, Vol.8, 1997,
Municipal Solid Waste Management Strategies and Technologies for Sustainable Solutions',
Springer, 2003,
Asian Approach to Resource Conservation and Environment Protection, Asian Productivity
Organization, 2000
Frontiers in Urban Water Management-Deadlock or Hope, IWA Publishing, 2001

**Special Seminar in the Kingdom of Bahrain:
Modernization of Japanese Industry with Development of
Small and Medium Enterprises**

Saburo Matsui, PhD,
Emeritus Professor
Kyoto University

Japan reconstructed its industrial power after the Pacific War when it ended with complete destruction of Japanese heavy and light industries under massive air strikes.

Japan started installation of every new type of factories under the extremely limited resource with aids of the allied nations.

Japan needed a catch up western countries in terms of good-quality products to export and build its GDP.

The industrial policy emphasizes improving productivity (KAIZEN) with quality control (QC) and total quality management (TQM). This policy included not only large enterprises but also small and medium enterprises. The world energy crises during late 70's and industrial pollution crisis strengthened all Japanese enterprises more competitive in productivity.

The miraculously swift growth of the Japanese economy in the postwar era was supported by persevering labor and high-quality education for engineering and science.

Japanese large enterprises when they develop are always supported by small and medium enterprises in terms of newer ideas, newer technologies and higher skillfulness, etc., which assures the higher quality of product.

The government and local governments always allocated their budgets to help the activity of small and medium enterprises in terms of low- interest loan, financing and grant for research, etc.

It is fundamentally important to provide high-quality labor by the good education system at the level of college and university in engineering and science.

**Special Lecture in University of Bahrain:
A Comprehensive Project of Water and Solar for Construction
of Advanced Agro-Urban Society Based upon Nutrient Recycle
for Kingdom of Bahrain**

Saburo Matsui, PhD,
Emeritus Professor Kyoto University
Honorary Membership of International Water Association

Kingdom of Bahrain needs to shape up a new stage of the state where introducing new industries apart from gas and petroleum. Possible industries are agriculture and aquaculture that can support food for the people who are more conscious about safety and quality. Precious gas and petroleum should be wisely utilized while solar energy must be explored in the state for new energy. However, water is always a limiting factor for any industrial development of the state. Desalinated water must be wisely utilized for urban life as well as other industries. Agriculture and aquaculture need also water. How to overcome these limiting conditions for the future development of the state is a big challenge.

A new agro-urban society must be more solar energy dependent, and water and nutrient recycled, and combined with urban agriculture and shrimp culture. Lecture proposes a project aiming at a new agro-urban society for Kingdom of Bahrain, which includes

- Design and Construct Advanced Agro- Urban City
- Solar Energy Dependent
- Water and Nutrient Recycles
- Agricultural and Aqua-cultural Industries
- Quality Control of Food Process for Domestic and Foreign Consumers