

**Title**      **Nano Technology Research Strategy and  
Current Activity in Japan**

**Speaker**    **Prof. Teruo Kishi**  
Chairman, Tsukuba Innovation Arena  
Professor Emeritus, the University of Tokyo  
President Emeritus, NIMS



**Date & Time**    Friday, March 15, 2013 4:00 p.m.

**Place**            I<sup>2</sup>CNER Hall, Ito campus, Kyushu University

**Abstract**

Japan started strategic research promotion led by government in the medium of 1990s, which was based on the science and technology basic law launched in 1995. Based on this law, named basic plan, are launched in every five years. In the second and third plans, four research fields were selected as the prioritized research fields. Nanotechnology/materials is one of the fields. The 21 innovative energy technologies defined in cool earth 50 were shown, which play the key roles to decrease CO<sub>2</sub> emission. Related to material science, technologies for decreasing emission of carbon dioxide are listed. Japanese government also has started to establish a research system reform in the field of nano green. One of the examples is a network building program of research centers, called LC-net Japan. Another example, the establishment of Research center for Environment & Energy, named GREEN. Regarding COE and Networking programs in Japan, Tsukuba innovation arena, TIA, and four universities consortium in Kawasaki are typical.

**Keyword:** Science and Technology Basic Plan. Green Innovation. Critical Materials. COE and network (TIA).

**About the Speaker**

Dr. Teruo Kishi received the degree of Doctor of Engineering from the University of Tokyo in 1969. His expertise is materials science, especially fracture mechanics and nondestructive testing of materials. He was Associate Professor, the Institute of Space and Aeronautical Science (ISAS), Professor, the Research Center for Advanced Science and Technology (RCAST), the University of Tokyo, Director General of RCAST (1995), and Director General of the National Institute for Advanced Interdisciplinary Research, Ministry of International Trade and Industry (MITI) (1997). He was Vice President of the Science Council of Japan (2003) and President of the Japan Federation of Engineering Societies (2007). At present, he is also Advisor of Four University Nano-micro Consortium, Chair of Executive Board of Tsukuba Innovation Arena (TIA), Director of Strategic International Program of JST.

**Host: Professor Naotoshi Nakashima**

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