



The 18th “SCIENCE IN JAPAN” FORUM
“Chemistry saves the earth
– toward sustainable society –”



On June 21, 2013 at Cosmos Club
2121 Massachusetts Avenue, NW,
Washington, DC 20008

Opening / Welcome address 9:00-9:30

Session 1 (9:30~10:35)

Haruo Inoue (Tokyo Metropolitan Univ.) : *Introduction to Artificial Photosynthesis*

Masuo Aizawa (Counselor to the President, Japan Science and Technology Agency, Former Executive Member of Council for Science and Technology Policy)
: *Science, Technology and Innovation Policy toward Sustainable Society*

Coffee Break

Session 2 (10:50~12:00)

Kazunari Domen (Univ. Tokyo) : *Artificial Photosynthetic Chemical Process (ARPCHEM)*

Nathan S. Lewis (Cal. Tech.) : *Sunlight-Driven Hydrogen Formation by Membrane-Supported Photoelectrochemical Water Splitting*

Lunch Break

Session 3 Plenary lecture (13:30~14:20)

Ei-ichi Negishi (Purdue Univ., Nobel Prize in Chemistry) : *Innovative catalysts for Chemical Reactions*

Coffee Break

Session 4 (14:30~15:40)

Thomas J. Meyer (Univ. North Carolina) : *Artificial Photosynthesis and Solar Fuels. Science and Technology Challenges for the 21st Century*

Nobuo Kamiya (Osaka City Univ.) : *Water-splitting and oxygen-evolving photosystem II in natural photosynthesis*

Coffee Break

Session 5 (15:50~17:35)

Michael R. Wasielewski (Northwestern Univ.) : *Integrating Light Capture with Catalysis for Solar Fuels*

Osamu Ishitani (Tokyo Inst. Tech.) : *Utilization of carbon dioxide using solar light: photocatalytic reduction*

Daniel G. Nocera (Mass. Inst. Tech.) : *Personalized Energy – What We Did for Computing, We Can Do for Energy*

—Followed by Reception (18:30-)—

Cosmos Club dress code : business attire, jacket and tie required for gentlemen

Organized by

Japan Society for the Promotion of Science Washington Office (JSPS-WO)

Advance Registration requested at jsp-scienceforum@jpsusa.org