

Title **Advanced Design of Organic Electronic Materials for Energy Conversion**

Speaker **Dr. Takuzo AIDA**
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Date & Time **Friday, November 4, 2011 4:00p.m.**

Place **INAMORI Hall, Ito campus,
Kyushu University**

Abstract

Toward the realization of sustainable society, tailoring functional materials capable of efficiently converting or generating energy is highly important. For this purpose, much attention has paid to the development of organic electronic materials. By means of supramolecular chemistry, we have developed a variety of electronic and optoelectronic materials such as light-harvesting dendrimers, graphite nanotubes, gelatinous carbon nanotube/ionic liquid hybrids (bucky gels), semiconducting liquid crystals, self-assembled polymer brushes with functional side chains. This lecture highlights some of these achievements.

About the Speaker

Dr. Takuzo Aida was born in 1956. He received his B.S. degree in Physical Chemistry from Yokohama National University in 1979 and Ph.D. in Polymer Chemistry from the University of Tokyo in 1984. He then began his academic career at the same university and developed precision polymer synthesis with metalloporphyrin complexes. In 1996, he was promoted to Full Professor of the Department of Chemistry and Biotechnology, School of Engineering, the University of Tokyo. His research interests include (1) electronic and optoelectronic soft materials, (2) bioinspired dendritic macromolecules, (3) molecular and biomolecular machines, and (4) biorelated molecular recognition and catalysis. He is now the project director for the ERATO-SORST program, and also serving as the director for Riken Advanced Science Institute. He has received many awards including as recent examples American Chemical Society Award in Polymer Chemistry and Chemical Society of Japan Award in 2009.

Host **Professor Naotoshi NAKASHIMA**

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