

PROGRAM

Date: Thursday, March 3, 2011

Place: Meeting Room 1, 7 Fl., Research Center for Advanced Science & Technology building,

General Chair: Professor Koji Abe (GCOE Program sub-leader)

08:50-09:00 Opening Address

Professor Toshihiro Hirai (GCOE Program leader)

PRESENTATION

<i>Time</i>		<i>Presenter</i>
9:00-9:15	<i>Study on mechanical property of carbon nanotubes</i>	Xiaowen LEI
9:15-9:30	<i>Preparation and Characterization of Novel Electrospun Metal-Deposited Nanofibers</i>	Haerim KIM
9:30-9:45	<i>Nonlocal elasticity theory for vibration of embedded double-layer graphene nanoribbons</i>	Jinxing SHI
9:45-10:00	<i>Development of Innovative Polymer/Inorganic Nanocomposites and its Applications</i>	Yaofeng ZHU
10:00-10:15	<i>Mechanical properties of dry twisted nanofilaments</i>	Yujin LEE
10:15-10:25	<i>Break</i>	

10:25-10:40	<i>Structural Characteristics and Properties of Spider Silk Obtained by Different Artificial Forcibly Silking Speeds</i>	Lei ZHANG
10:40-10:55	<i>Functional analysis of tetraspanin CD9 in sperm-egg fusion</i>	Naoko ONAMI
10:55-11:10	<i>Analysis of a New Kind of Major Ampullate Spider Silk Gene</i>	Leng HAN

11:10-11:25	<i>Study of chemiluminescence mechanism and its application to sensing</i>	Takayuki MARUYAMA
11:25-11:40	<i>Effect of Interlinings on Mechanical Properties of Garment Materials</i>	Kyoung Ok KIM
11:40-12:40	<i>Lunch Break</i>	

12:40-12:55	<i>Preparation of Electrospun Nonwoven Fabrics from Polymeric Materials of Natural Occurrence and Their Applications</i>	Kesavan DEVARAYAN
12:55-13:10	<i>Synthesis of Electrodeposited Ordered Mesoporous RuO₂ and Its Capacitor Property, Application to Micro-Super Capacitor</i>	Sho MAKINO
13:10-13:25	<i>The study to develop DNA markers that are effective for breeding programs of head vegetables</i>	Daisuke ARUGA
13:25-13:40	<i>Effect of Rheological Properties on Electrospinning of Ultra High Molecular Weight (UHMW) Poly (vinyl alcohol)</i>	Fan LIU
13:40-13:55	<i>Synchronization Based Control for A Robotic Suit</i>	Xia Zhang
13:55-14:10	<i>Studies on proteins promote cellulose degradation by cellulases</i>	Hiroto NISHIJIMA
14:10-14:25	<i>Development of new hydrogelator based on cyclo (dipeptide)</i>	Hiroko HOSHIZAWA
14:25-14:40	<i>Design of Novel Functional Biomaterials Using Biomolecules-Decorated Carbon Nanotubes</i>	Jinhee KIM
14:40-14:50	<i>Break</i>	

14:50-15:05	<i>Cloning and analysis of genes coding for chitinolytic enzymes from the novel chitinolytic bacterium Chitinophilus shinanonensis</i>	Lanxiang HUANG
15:05-15:20	<i>Elucidation of whitening mechanism of polymers coated on Japanese-paints on wall</i>	Yusuke OKADA

15:20-15:35	<i>Building of an energy production system using photosynthetic proteins</i>	Takamitsu UEKI
15:35-15:50	<i>Basic Study on the Inkjet Ink for Textiles</i>	Juyoung PARK
15:50-16:05	<i>Study on cellulose synthesis in Asaia bogorensis</i>	Akio KUMAGAI
16:05-16:20	<i>Robotization of the Plate Handling Task</i>	Purev-Ulzii CHIMEDDORJ
16:20-16:35	<i>Solvent-induced Phase-inversion and Electrical actuation of Dielectric copolymer films</i>	Yeonju JANG
16:35-16:50	<i>Evaluation of the Perceived Elasticity of Sheepskin using the Tri-axial Force Sensor</i>	Euichul KWON
16:50-17:00	<i>Break</i>	

17:00-17:25	<i>Hybrid Materials-Containing Nanofiber Webs : Preparation and Its Unique Physico-Chemical Properties</i>	Byoungsuhk KIM
17:25-17:50	<i>PVA/cellulose whisker nanocomposite fibers : Fibrillation property and mechanical behavior</i>	Ahmed Jalal UDDIN
17:50-18:10	<i>Report for Short Term Study and Life in Manchester, UK</i>	Yusuke OKADA

18:10-18:20 Closing Remarks

Professor Makoto Shimosaka