Asia-Africa Science Platform Program
Establishment of Collaboration Research for Neo-Fiber Technology’ in Asia and Africa
Seminar Series 7
and
Annual Report Meeting for ‘Neo-Fiber Technology’ Project 2010-2011

Date: 16-19 March, 2011
Venue: University Laboratories for Innovation Research Projects, Kyoto Institute of Technology
Oral Session: 4F MULTI PURPOSE ROOM
Poster Session: 1F FREE SPACE

2011/3/16(Wed.) 18:00-20:00 Reception at Plaza KIT

2011/3/17(Thus.) 9:30-20:30
9:30-10:00 Opening Address: Yoshimichi EJIMA, President of Kyoto Institute of Technology
Yoshiharu KIMURA, Director of Center for Fiber and Textile Science

10:00-12:00 Chair: Tetsuya SATO, Kyoto Institute of Technology
1) Seung-Soon IM, Hanyang University, Korea
   Current and Future Development Trend of Korean Bioplastics industry
2) Ahmed EL-Salmawy, Helwan University, Egypt
   Improving Thermo-physiological Comfort of Knitted Nylon
3) TA Phuong Hoa, Hanoi University of Technology, Viet Nam
   Preparation and Application of Microfibrillated Cellulose for Enhancing the Fatigue Life of Fiber Reinforced Polymer Composite

12:00-13:00 Lunch Time

13:00-15:00 Poster Session
15:10-16:30 Chair: Hiroshi URAKAWA, Kyoto Institute of Technology
4) Anelise EHRHARDT, Kyoto Institute of Technology, Japan
   Preparation of Cellulose-Aerogel by Supercritical CO₂ Drying
5) Long CHEN, Kyoto Institute of Technology, Japan
   Modification of Polyurethane Nanofibers by Superfine Soluble Egg Shell Membrane Powders
6) Yoshiharu KIMURA, Kyoto Institute of Technology, Japan
   Recent Progress in Polylactide Synthesis
7) Hideki YAMANE, Kyoto Institute of Technology, Japan
   Wet-spinning of Cellulose from Ionic Liquid Solutions

16:30-16:50 Coffee Break

16:50-17:55 Chair: Hideki YAMANE, Kyoto Institute of Technology
8) Shinichi SAKURAI, Kyoto Institute of Technology, Japan
   On the Dark Streak Observed in the SAXS Pattern for Electrospun Micro-Fibers of Styrene-Ethylenebutylene-Styrene Triblock Copolymer
9) Tetsuya SATO, Kyoto Institute of Technology, Japan
   Colour Matters - Colour Evaluation of Textile and Clothing -

18:00-18:20 Closing Address: Shigeru KUNUGI, Kyoto Institute of Technology

18:30-20:30 Official Dinner at ORTUS (University cafeteria)
2011/3/18 (Fri.) 10:00-21:00

10:00-10:05 Opening Address: Yoshiharu KIMURA, Director of Center for Fiber and Textile Science

10:05-11:45 Chair: Masahiko MINODA, Kyoto Institute of Technology

1) Hajime MORI
Expression of Bombyx mori cypovirus polyhedrin in the posterior silk gland

2) Takashi AOKI
Bioplastics derived from DNA

3) Masatsugu MOCHIZUKI
Crystallization Behavior of LLA-rich Poly (Lactic Acid), PLA

4) Tatsuo OIDA
A Dual Action Finishing Reagent on Allylamine Oligomer

11:45-12:45 Lunch Time

12:45-14:00 Chair: Takashi AOKI, Kyoto Institute of Technology

5) Hidekazu YASUNAGA
Colouring by Using Biobased Materials

6) Masahiko MINODA
Surface modification of a fibrous PET material by controlled graft polymerization and its hybrid formation with hydroxyapatite

7) Katsufumi TANAKA
Effects of Nano-fibers on Liquid Crystalline Behavior and Reflection Spectra for Aqueous Solutions of Hydroxypropyl Cellulose

14:00-14:20 Coffee Break

14:20-15:35 Chair: Hidekazu YASUNAGA, Kyoto Institute of Technology

8) Hiroshi URAKAWA
Color Produced by Natural Indigo - Unique beauty of natural indigo color compared with synthetic indigo -

9) Isao WATAOKA
Dependence of Cations on Gelation of Carrageenan Aqueous Solutions

10) Kazuko SAKAMOTO
The Apparel Product Development which Approaches from the Consumer Characteristics in East Asia

15:35-15:45 Closing Address: Yoshiharu KIMURA, Director of Center for Fiber and Textile Science

18:45 Departure of the Shuttle Bus for the Apical Inn (at the west main gate of KIT)

19:00-21:00 Party at Apical Inn

2011/3/19 (Sat.) 10:30-17:30  meeting place: at the west main gate of KIT

10:30-17:30 Traditional Arts and Crafts Museum tour, Tondaya etc.
Poster Session

P-1) Tadashi Hayami, Kyoto Municipal Institute of Industrial Technology and Culture, Kyoto, Japan
Developments of Electro-Photographic Direct Printing System

P-2) Yutaka Kawahara, Department of Biological & Chemical Engineering, Gunma University, Gunma, Japan
Structural Modification of PVA Nanofibers by Water Vapor Annealing

P-3) S. Sasaki, Graduate School of Science and Technology, Kyoto Institute of Technology, Kyoto, Japan
Hierarchical Structure Characterization of Softmaterial Thin Films: Development of Synchrotron GISWAXS Experimental Method

P-4) Jae-Chang Lee, Center for Fiber and Textile Science, Kyoto Institute of Technology, Kyoto, Japan
Physical Properties of the Stereoblock Poly(lactic acid)s (sb-PLAs) Melt Spun Fibers

P-5) Saori Kitaguchi, Center for Fiber and Textile Science, Kyoto Institute of Technology, Kyoto, Japan
Visual Impression of Fabrics

P-6) Shigeyuki Nakano, Hyogo Prefectural Institute of Technology Technical Support Center for Textiles Industries, Hyogo, Japan
Ethanol enrichment technology using polyethylene terephthalate fiber sheet prepared by electrospinning

P-7) Michiko OKADA, Center for Fiber and Textile Science, Kyoto Institute of Technology, Kyoto, Japan
Relationship between the Twisting of the Optim™ Fine Fiber by the High Temperature Dyeing and the Influence of it by the Optim™ Process

P-8) TRINH MINH DAT, Centre for Organic Materials and Constructional Chemicals, Vietnam Institute for Building Materials, Vietnam
Structures and Properties of Polymer Composite Materials Based on Unsaturated Polyester Resin and Silicafume

P-9) Nguyen Dung Tien, Department of Biobased Materials Science, Kyoto Institute of Technology, Kyoto, Japan
Behavior of Crystalline Lamellae with temperature in poly(D,L-lactic acid)/poly(ethylene glycol) blends as revealed by small-angle X-ray scattering

P-10) Sung Yeon Hwang, Department of Fiber & Polymer Engineering, College of Engineering Hanyang University, Seoul, Korea
A study of enzymatic hydrolysis mechanism on Poly(butylene succinate)(PBS)-titanium silicate zeolite (TS-1) hybrid materials

P-11) Jun Yong Park, Department of Fiber & Polymer Engineering, College of Engineering, Hanyang University, Seoul, Korea
A study on the physical properties and crystallization behavior of Poly (lactic acid) (PLA)/Poly(ethylene terephthalate glycol) (PETG) blends

P-12) Matsubara, T., Dept. Biobased Materials Sci., Kyoto Institute of Technology, Japan
Effect of Cu^{2+} Ion Addition and pH on Production of Catechinone Dye

P-13) Takubo, M., Dept. Biobased Materials Sci., Kyoto Institute of Technology, Kyoto, Japan
Ultraviolet Light Irradiation Dyeing by Using Catechin and Its Dyeability

P-14) Morimoto, S., Dept. Biobased Materials Sci., Kyoto Institute of Technology, Japan
Dyeability and Colour Fastness of Hair Dyeing by Using Catechin and Iron Compounds

P-15) Shin Sasaki, Dept. of Macromolecular Engineering, Kyoto Institute of Technology, Kyoto, Japan
Structure and Properties of Die-drawn Poly(L-lactic acid) Fibers

P-16) Shin-ichi Yagi, Dept. of Bio-based Materials Science, Kyoto Institute of Technology, Kyoto, Japan
Effect of the Addition of Organically Treated Montmorillonites on the Properties of Melt-spun Bacterial Polyester