6/20/2007 (Wed.) (1st Day)

8:00-8:45 Registration

9:00-9:10 Opening Address (Teruo Kimura, Chair of Symposium)

Session I

9:10-10:00 Keynote Lecture I
An Environmental Perspective on Fiber Recycling
Youjiang Wang
Georgia Institute of Technology

10:00-10:25
Toray "ecodream": Fiber & Textile Recycling Activities at Toray Industries
Youji Oohashi
Toray Industries, Inc.

10:25-10:50
Approach on Fiber Recycling at Teijin Fibers
Kouzou Toida
Teijin Fibers Limited, Research & Development Division

10:50-11:10
Coffee Break

Session II

11:10-11:35
Textile Para-Aramid Waste - Recycling and Re-Utilization
Reußmann, T.; Ortlepp, G.; Lützkendorf, R.; Thüringisches Institut für Textil- und Kunststoff-Forschung e. V., Germany
Schmitt, M.; Hesse, S.; Teijin Twaron GmbH Wuppertal; Germany

11:35-12:00
Recycling of Plastic Bags and Using Them in Nonwoven Fabrics
Brian R. George
Philadelphia University
12:00-12:25
Development of Environmentally Friendly and Recyclable Coated-Fabrics Using Kenaf Fiber for Architectural Membrane Structures
Hiroshi Toyoda
Taiyo Kogyo Corporation

12:25-14:00
Lunch

Session III
14:00-14:50 Keynote Lecture II
LCA in Japan - Present and Evolution –
Masayuki Sagisaka
Research Centre for Life Cycle Assessment, AIST

14:50-15:15
FEA Consumer Needs Model Enhanced to Foster Engagement of Designers and Wearers through Sustainable Apparel Design Practices
M. Jo Kallal and Ashley Elliott
University of Delaware

15:15-15:40
Hawaii Tied-Ed: A Sustainable Learning Hub for Clothing Line Design and Production
Shu Hwa Lin
University of Hawaii at Manoa

15:40-16:00
Coffee Break

Session IV
16:00-16:25
An Analysis of Recycled Cashmere
Kenneth D. Langley and Yong K. Kim
University of Massachusetts

16:25-16:50
Exploration of Sustainability and Reuse within the Context of Apparel Products
Ashley Elliott and M. Jo Kallal
University of Delaware

18:00-20:00
Banquet
Session V

9:00-9:25
Consumer Perceptions of Recycled Textile Fibers
Margaret Rucke and Carrie Haise
University of California

9:25-9:50
Fiber Recycling Culture in Japan
Maki Tamada
Shokei Gakuin College

9:50-10:15
Towards a Closed-Loop Society: How the Famous Cook and Essayist Ohmura Shige Revived and Reused Antique Kimonos
Kimiko Yokokawa
Mukogawa Women’s University

10:15-10:40
Properties of Recycled Poly-Lactic Acid (PLA) Resin
Kenji Okada
Kurashiki University of Science and The Arts

10:40-11:00
Coffee Break

Session VI

11:00-11:25
Ultimate Recycling of Poly(Hydroxy Alkanoate)s as Aqua-Denitrificants
Maria Teresa Gutierr, Ronald F. Malo, Kelly Rusch and Ioan I. Negulescu
Louisiana State University and LSU Agricultural Center

11:25-11:50
Property of Fiber Board from Paper Sludge of Household Paper
Keiichi Chikamori and Teruo Kimura
Kochi Prefectural Paper Technology Center

11:50-12:15
Silk/Cellulose Composite Paper from Mill End Fiber
Haruhiro Ino and Teruo Kimura
Kyoto Institute of Technology

12:15-14:00
Lunch & Poster Session
Session VII

14:00-14:50 Keynote Lecture III
Under setting

14:50-15:15
Utilisation of Carpet Waste in Developing Acoustic Underlayer and Reinforcement of Substandard Soils
Mohsen Miraftab, Alison Taylor, Ian Rushforth and Ann Lickfold
University of Bolton, Centre for Materials Research and Innovation

15:15-15:40
Decomposition of Polyamide Resin in Sub- and Supercritical Water for Recycling of Carbon Fiber Reinforced Thermoplastics
Kyoko Oka, Kimie Mitani, Hideki Sasayama, Idzumi Okajima and Takeshi Sako
Industrial Technology Center of Fukui Prefecture

15:40-16:00
Coffee Break

Session VIII

16:00-16:25
Characterization of FRP Using Recovered Glass Fibers from FRP Waste
Katsuji Shibata and Kazunobu Maekawa
Hitachi Chemical Co., Ltd.

16:25-16:50
Fiber Recycling by Dissolving FRP in Vegetable Oil
Keiichiro Sano, Syoko Furuhashi and Masaaki Takayanagi
University of Shizuoka, Institute of Environmental Sciences

16:50-17:15
Recycling of Fibers of Rubber Crumb
Volker E. Sperber
University Kassel

17:15-17:40
Shredding Machinery for Fiber Recycling
Hideaki Isomi and Daisuke Ishikubo
Kubota Corporation

17:40-17:50
Closing Address (Youjiang Wang, Chair of Symposium)