Draft Program 24th Annual Meeting of the Society of Packaging Science & Technology, Japan

Venue: Yayoi Auditorium, Faculty of Agriculture, University of Tokyo

July 2, 2015 Day One Morning Program

Yayoi Auditorium Ichijo Hall

9:00 ~ Hall Opens, Registration, Poster Preparation (Seihoku Gallery)

Yayoi Auditorium Ichijo Hall

9:50~10:00 Opening Comments

10:00~10:50 D, E Poster Sessions Outline Presentations

10:50~11:00 Break

11:00~12:20 Session B1 Functional Materials

b-01 Effect of heat shrinkage of film on weep production in vacuum packed fresh meet

KUREHA Corporation Food Packaging Technology Center

○Kayoko Onizawa, Mikio Tanaka, Kazuhiko Hirose

b-02 Development of Packaging Materials on Content Resistance Characteristic

Dai Nippon Printing Co., Ltd.

○Yuya Takasugi

b-03 Development and Application Effect of Renovated Oxygen Scavenger Packaging Material in Dry Condition

Mitsubishi Gas Chemical Company, Inc.

○Akihiro Masuda, Takayoshi Itoh, Ryuichiro Kawai, Daiki Sato, Kenichi Niimi

b-04 Application of stretched film for skin pack

KUREHA Corporation Food Packaging Technology Center

○Shota Nambu, Junji Nakajima, Ichiro Kitada, Tadayoshi Ito

Seihoku Gallery

11:00~12:20 Session E Poster Transport Packaging

e-01 Vibration measurement of truck in Southeast Asia

SHINYEI TESTING MACHINERY CO., LTD.

○Kazuaki Kawaguchi

e-02 Number of vibration measurement times for random vibration test

SHINYEI TESTING MACHINERY CO., LTD.

○Tomohiro Kuroda, Kazuaki Kawaguchi

e-03 Practice and Assessment of Packing and Transport of cultural properties

Tokyo National Museum

○Hiroshi Wada
e-04 Prevent of Secondary Damage Caused by Absorbent Sheets in Cargo Container
National Institute of Technology, Yuge College ○ Koji Yoshida, Tomohiro Murakami, Shingo Ikeda

e-05 Influence of Physical Modeling to Precision of Hybrid Free Fall Test
Kobe University ○ Meishu PIAO, Katsuhiko Saito
Kyocera Document Solutions Co., LTD. Hiroshi Setoue
SHINYEI TESTING MACHINERY CO., LTD. Kazuaki Kawaguchi

e-06 Influence of Moisture Content Ratio of Corrugated Board to Box Compression Speed in Stacking Load
Kobe University ○ Hidemi Hirokawa, Katsuhiko Saito
Rengo Co. LTD Akira Higashiyama

e-07 Simulated Vibration Test of Corrugated Box Abrasion Damage
Kobe University ○ Chinami Sawada, Katsuhiko Saito
Rengo Co. LTD Akira Higashiyama

e-08 Estimation for Axis of Rolling of A moving Truck under different Load Conditions by Detection of 3-D Center of Gravity
Tokyo University of Marine Science and Technology ○ Dang Runan, Yutaka Watanabe

e-09 An efficient Algorithm of stacking Marine Containers in Container Terminals
Tokyo University of Marine Science and Technology ○ Ning Zhang, Yutaka Watanabe
Hitachi Transport System, Ltd. Ying Cong

e-10 Lashing Design System for Marine and Terrestrial Transport
Sankyu Inc. ○ Masahiro Ito, Masanobu Eguchi

e-11 Digital Tensiometer for Transport Cargo Lashing Belts
Sankyu Inc. ○ Haruki Shikashi, Masanobu Eguchi

12:20~13:30 Lunch

July 2, 2015 Day One Afternoon Program
Yayoi Auditorium Ichijo Hall
13:30~14:50 Session A 1 Transport Packaging

a-01 Measurement and analysis of shock and vibration during cargo handling operation in the airport
eXcearch Corporation ○ Masahiro Takagi
Nippon Cargo Airlines Co., Ltd. Kazutaka Toyama
a-02 A calculation method of an order number in statistical analysis of a result including two kinds of incomplete data.
Technology Research Institute of Osaka Prefecture ○Shogo Horiguchi, Takamasa Nakajima

a-03 The effect of Shock and Vibration in Transportation of fruits and vegetables part 8 Vibration control measures of cargo
National Federation of Agricultural Co-operative Associations (ZEN-NOH) ○Hiroshi Uchida, Takashi Inoue

Kanagawa Industrial Technology Center Yoshiaki Itoh, Masamichi Kojima

a-04 Investigation of the Relation between the Compression Strength and the Role of the Part of the Corrugated Box
Oji Industrial Materials Management Co., Ltd. ○Mitsuru Shimomura

Seihoku Gallery
13:30~14:50 Session D Poster Functional materials, etc.
d-01 Freshness-keeping packaging of Chinese chives corresponding to the vacuum precooling
Oita Industrial Research Institute ○Shoichi Asaki
Omori Machinery Co., Ltd. Shoichi Tsuchida

Yusuke Sato, Tomonori Hosoda

d-02 Usability evaluation of drug packages for oral tablet
Yokohama University of Pharmacy ○Masaru Mizoguchi, Mikio Murata, Kiyomi Sadamoto

KUREHA Corporation Technical Department Plastics processing Factory ○Akiko Omori, Yusuke Sato, Tomonori Hosoda

Akiko Omori, Mikio Tanaka

d-03 Visualization study on the Oxygen and Odor barrier functions of the freezing bag "Oishisa-Keep"

KUREHA Corporation Food Packaging Technology Center ○Hiroki Maki, Kayoko Onizawa

Oshita Seiichi, Noguchi Ko

d-04 Development of tear tape design for chub package

KUREHA Corporation Food Packaging Technology Center ○Hiroki Maki, Kayoko Onizawa

Tatsuo Yamauchi

d-05 Measurement of specific heat capacity of paper
Kyoto University Grad School of Agri. ○Tatsuo Yamauchi

Oshita Seiichi, Noguchi Ko

d-06 The effect of modified atmosphere and different temperatures on the respiratory enzymatic activity of broccoli
The University of Tokyo ○Wang Hsiao-Wen, Makino Yoshio, Harada Naoto,

Oshita Seiichi, Noguchi Ko

d-07 Development of the packaging material with printed invisible identification codes.
d-08 Water-organic solvent permeation properties of poly (lactic acid) film
School of Science and Technology, Meiji University ○Ryo Iida, Tomoki Yonezu,
Yasuaki Shinkawa, Kazukiyo Nagai

d-09 Development of bio-based film derived from cinnamic acid and application of barrier materials by cross-linking reaction
School of Science and Technology, Meiji University ○Daichi Watabe, Shohei Itami, Miho Kobayashi, Shinji Kanehashi, Kazukiyo Nagai

d-10 Preparation of organic-inorganic hybrid gas barrier membranes using cellulose
Graduate School of Maritime Sciences, Kobe University ○Tomomi Iwasaki, Koji Kuraoka
ARAKAWA CHEMICAL INDUSTRIES, LTD. Yukiyasu Nishioka, Masanori Kobayashi, Hideharu Takeuchi

14:50~15:20 Break

Yayoi Auditorium Ichijo Hall
15:20~17:20 IPS’15
New Biomass Derived Materials and Applications for Agricultural Product and Food Packaging
1) Renewable polymers for barrier functions in packages
○Dr. Mikael Gällstedt, Innventia-Packaging Solutions (Sweden)
2) Biobased and Biodegradable Polymer Development for Packaging Application in Thailand
○Dr. Sommai Pivsa-Art, Rajamangala University of Technology Thanyaburi (Thailand)
3) Current trends and issues of Biomass Derived materials
○Dr. Kazufumi Osima, Japan Bioindustry Association (Japan)
17:20~17:30  Break
17:30~17:50  Panel Discussion

Yayoi Auditorium Lobby
18:00~  Reception

July 3, 2015  Day Two Morning Program

Yayoi Auditorium Ichijo Hall
8:50~  Hall Opens
9:00~10:00  General Meeting
10:00~10:10  Break
10:10~10:30  Society of Packaging Science & Technology, Young Researcher Award Presentation
10:30~10:50  Society of Packaging Science & Technology, Paper Award Presentation
10:50~11:00  Break
11:00~12:00  Session B2  Functional Materials

b-05  Light-weighting of large beverage PET bottles with enhanced usability
      Research laboratories for Packaging Technologies  Kirin Company, Limited
          Daisuke Koike,  Yohei Yamaguchi, Yuuki Arai
          Technology Development Dept.  Kirin Beverage Company, Limited  Takanori Nishijima
          Technology Development Center  Kirin Brewery Company, Limited  Shuichi Hanada
b-06  Quality retention effect of foods in active barrier packaging
      Toyo College of Food Technology  Yoshifumi Taguchi,  Kazuki Saomoto
b-07  Development of liquid sachets with ethylene type ionomer
      Du Pont-Mitsui Polymers Co., Ltd  Hidenori Hashimoto,  Nobuyuki Maki

Seihoku Gallery
11:00~15:00  Poster Viewing
12:00~13:20  Lunch

July 3, 2015  Day Two Afternoon Program

Yayoi Auditorium Ichijo Hall
13:20~14:20  Session A2  Transport  Packaging

a-05  Correlation Analysis of Vehicle Vibration for Non-Stationary Vibration Test
Technology Research Institute of Osaka Prefecture ○Akira Hosoyama

a-06  A method for estimating logistics environment from generally available indicators and indexes
Japan National Mirror Committee to ISO/TC 122 /SC 3 ○Masahiro Takagi
Japan Packaging Institute

a-07  Relationship between drop height and number of specimens on drop tests
Technology Research Institute of Osaka Prefecture ○Takamasa Nakajima

14:20~14:30  Break

14:30~15:50  Session F1  Processing, Design, Safety, Environment

f-01  Development of melting surface temperature response model in impulse heat sealing
Toyo College of Food Technology ○Tamotsu Inoue, Daiki Sakane, Tsuyoshi Siono

f-02  Effect of annealing conditions on shrinkage behavior and structure of PVDC film
KUREHA Corporation  Plastics Processing Factory ○Masanori Shitsukawa, Tomonori Hosoda, Yuji Minegishi, Hitoshi Ujiie
KUREHA Corporation  Food Packaging Technology Center Kazuhiko Hirose

f-03  Numerical Analysis for Seaming Process
Mitsubishi Materials Co., Ltd ○Ryo Muranaka
Nippon Institute of Technology Hideo Takizawa
Universal Can Co., Ltd Taizo Ishikawa

f-04  International comparative analysis of packaging
Graduate School of Economics, Kobe University ○Risa Kojima, Masanobu Ishikawa

15:50~16:00  Break

16:00~17:00  Session F2  Processing, Design, Safety, Environment

f-05  Analysis of crushing characteristics of wedge blade during continuous cutting of raw fiberboards
Nagaoka University of Technology ○Nagasawa Shigeru, Oyake Takuya
Rengo Co. Ltd Kajizuka Takashi

f-06  Film interface temperature analysis in the rapid thermal conduction
Yamagata University Graduate School of Science and Engineering ○Ken Miyata, Masahiro Kamiya
Tomonori Koda, Taichi Nishio, Akihiro Nishioka

f-07  Simulation study on cutting performance of the household wrap carton
KUREHA Corporation ○Seishiro Kobayashi, Naoki Ueda,
17:00~17:10  Closing

Building 2 Classroom 3

13:20~14:20  Session B3  Functional Materials

b-08  A study on a relation between shape and expansion of a plastic bottle for carbonated
Dai Nippon Printing Co.,Ltd  ○Jun Kanehara, Kazuya Hirose, Akitomo Sekine,
Takuma Miyawaki, Katsunobu Ito

b-09  Influence of the inorganic particles on the impact resistance of the PVDC film
KUREHA Corporation  ○Yuzo Ishii, Kenichi Masuda
Food Packaging Technology Center  Yunji Nakajima

b-10  Development of new technology for heat sealing that unites Easy Open to Perfect Sealing.
Hishinuma Consulting Engineering Office  ○Kazuo Hishinuma

14:20~14:30  Break

14:30~15:50  Session B4  Functional Materials

b-11  Development of Non Adsorption Packaging Materials
Dai Nippon Printing Co., Ltd.  ○Syouhei Okumura, Masato Yuno, Shin Yamada,
Katsunobu Ito

b-12  Structure analysis and temperature sensitive barrier property of clay/poly(N-isopropylacrylamide)
nanocomposite membrane
National Institute of Technology, Yuge college  ○Shingo Ikeda, Tomohiro Murakami
Kobe University Graduate School of Maritime Sciences  Koji Kuraoka

b-13  Heat seal properties and dynamic mechanical analysis of biodegradable polymer blends and composite
films
Kyoto Institute of Technology  ○Supaphorn Thumsorn, Kazushi Yamada, Hiroyuki Hamada
Rajamangala University of Technology Thanyaburi  Sommai Pivsa-Art
Yamagata University  Ken Miyata

15:50~16:00  Break

16:00~17:00  Session B5  Functional Materials

b-15  Method of moisture-proof packaging for ice cream cone
Shimizu Professional Engineer Office  ○Keisuke Shimizu

b-16  Biomaterial barrier materials
Preparation and properties of organic-inorganic hybrid gas barrier membranes using polysilsesquioxane

Yuta Shimmen, Koji Kuraoka

Takeshi Nishikawa, Hiroyasu Seki

17:00-17:10  Closing