

The 2006 (73rd) Pulp and Paper Research Conference

Sponsored by JAPAN TAPPI
Organized by Wood Science Committee

Date: June 15-16, 2006

Venue: Tower Hall Funabori, 4-1-1 Funabori Edogawa-ku, Tokyo, Japan

Program:

Oral and poster presentations will cover the following topics:

- Forest tree breeding
- Wood chemistry
- Pulping, deinking and environment
- Wet-end chemistry and papermaking chemicals
- Papermaking
- Coating and paper converting
- Analysis and properties of pulp and paper
- Printability of paper
- Others

Dead line for registration

June 2, 2006

ORAL PRESENTATIONS

- 01-A Fiber Orientation of Paper Cultural Properties and Estimation of Manufacturing Processes
Yoon-Hee Han, Toshiharu Enomae, Akira Isogai and Michihisa Hotate
- 02-A The Development of Extensible Paper for Material Saving of Multi Wall Kraft Paper Sacks
Kiyoshi Saitaka, Nobuhiro Hatoh, Hideichi Kawasaki and Toshimi Satake
- 03-A New Cross Directional Control Technology in QCS
Takashi Sasaki
- 04-A Blend of Different Ionic Composition PAMs for Retention Aids of Papermaking Process – Ionic Balance of Blended PAMs and Relationship between Retention and Formation –
Takafumi Inaba, Kouichi Adachi, Tetsuya Tsuduki and Yoshio Mori
- 05-A Factors Influencing Wet-strength Development of Paper Prepared with Polyamideamine-epichlorohydrin Resin (PAE)
Takao Obokata and Akira Isogai
- 06-A Development of Laboratory Cooking Equipments for Optimization of Continuous Cooking
Junji Tanaka and Hiroshi Ohi
- 07-A Formation of Hexenuronic Acid in Hardwood Kraft Cooking and Correspondence to the Pulping Process
Catrin Gustavsson, Martin Ragnar and Ju Yan
- 08-A Characteristic of Kenaf for Kraft Cooking and Non Chlorine Bleaching
Guangfan Jin, Akiko Nakagawa-izumi and Hiroshi Ohi
- 09-A Application of Methane Fermentation Technology in Pulp and Paper Industry – Treatment of a Mixture of Hardwood and Softwood Kraft Pulp Mill Evaporate Condensate –
Isao Onodera, Reiko Oshima, Hitoshi Nagao, Yuko Iijima and Hideaki Fujita
- 10-A New Process of Producing Highly Concentrated Polysulfide Liquor by Electrolysis of White Liquor (IV) – Utilization of Caustic Soda from Cathode Compartment –

Keigo Watanabe, Shinichi Onogi and Yasunori Nanri

- 11-A The Application of Polymerizable Vesicles to Functional Materials for Paper
Yuichi Shiba, Yukiaki Nakamura, Kenichi Oyaizu and Makoto Yuasa
- 12-A Methanol Steam Reforming by Catalyst Paper and Computational Fluid Dynamic Analysis of Hydrogen Production Behavior
Shuji Fukahori, Hirotaka Koga, Takuya Kitaoka, Hiroyuki Wariishi, Akihiko Tomoda and Ryo Suzuki
- 13-B Development of New Inkjet Receptor with Excellent Water Resistance
Kazunori Tanaka, Yukie Saitou, Masato Inoue and Toshifumi Tamaki
- 14-A Thermal and Mechanical Properties of LS-based Polyurethane Composites Densely Filled with Inorganic Materials
Hyo Hatakeyama, Takashi Nanbo, Shigeo Hirose and Tatsuko Hatakeyama
- S-01 Science and Engineering of the Supercritical Fluids
K. Otake
- 15-A Studies on the Pulp Quality Improvement Using Eucalyptus Gene Information
Shigeru Sato, Shiho Nakamoto, Hisako Koita, Nanae Yamada and Takashi Hibino
- 16-C Visualization of Components in Plant Cell Walls Using ToF-SIMS
Kaori Saito, Chihiro Hato, Toshiyuki Kato, Yasuyuki Matsushita, Takanori Imai and Kazuhiko Fukushima
- 17-C Study of the Distribution of Papermaking Chemicals in Paper Using ToF-SIMS
Yasuyuki Matsushita, Ai Ookura, Takuya Sekiguchi, Toshiyuki Kato, Takanori Imai and Kazuhiko Fukushima
- 18-A Survey of Chemical Substance in Paper and Board Used for Food Packaging
Keijiro Soma, Eriko Tawara, Fusako Shimizu, Eishun Tozaki and Takashi Miyagawa
- 19-A The Influence of Inorganic Filler Form and Particle Size on Optical Properties
Toru Kawazu, Yumiko Ichikawa, Kazuo Yamashita and Hiroshi Nagasawa
- 20-A The Factor of Reaction Rate during Conversion to Zeolite from Paper Sludge (PS) Ash
Takao Ando, Keiko Otake, Takabumi Sakamoto, Naoto Matsue and Teruo Henmi
- 21-B Effect of Surface Properties of Base Paper on Print Quality – Application of Pre-calendering at High Temperature –
Hiroshi Koyamoto and Koji Okomori
- 22-A Characterization of Paper Coating Penetration by Laser Scanning Microscopy
Kenji Hirai and Douglas W. Bousfield
- 23-A Application of Confocal Laser Scanning Microscopy to the Study of Backtrap Mottle
Yasushi Ozaki, Douglas W. Bousfield and Stephen M. Shaler
- 24-B Study of Print Gloss of Coated Paper
Hideyuki Mikado, Keiro Takigawa, Yukiko Suzuki and Tetsuya Hirabayashi
- 25-A Influence of Diffused Light on Visual Perception of Print Gloss in Coated Paper
Takeshi Watanabe, Nobuhiro Matsuda and Hisashi Matsui
- 26-A Method for Measuring Microstickies Using Quartz Crystal Microbalance with Dissipation Monitoring
Hlromichi Tsuji, Shisei Goto, Chie Yuzawa and Takeshi Iimori
- 27-A Measurement of Dirt with Camera-based Image Analysis System
Junsuke Kawana and Atsushi Watanabe
- 28-B Evaluation Technique of Coagulants for Paper-making
Takahiro Fujimoto and Kenji Sakai

29-B Application of Micro Bubble Treatment Technology
Yoshihiko Saijo and Makoto Iwasaki

POSTER PRESENTATIONS

- P-01 Effect of Stereo Configuration of Carbohydrate on the Reactivity of Active Oxygen Species during Oxygen Bleaching Process
Tomoya Yokoyama, Fumiko Konishi, Yuji Matsumoto and Gyosuke Meshitsuka
- P-02 Analysis of Oxygen Oxidation Mechanism of Lignin on the Basis of the Oxygen Consumption
Aiko Imai, Tong Guolin, Tomoya Yokoyama, Yuji Matsumoto and Gyosuke Meshitsuka
- P-03 Intermolecular Interaction of Lignin (Derivatives) / Synthetic Polymer Hyperfine Composite Materials
Yoshikuni Teramoto, Noriko Tanaka and Takashi Endo
- P-04 Synthesis and Thermal Properties of Epoxy Resins from Alcoholysis Lignin and Glycerol
Shigeo Hirose and Hyoe Hatakeyama
- P-05 Generation of AOX during Chlorine Dioxide Bleaching of Hexenuronic Acid Structure Simply Prepared by Alkaline Treatment
Kengo Magara, Tsutomu Ikeda, Izumi Shibata, Akira Isogai and Shuji Hosoya
- P-06 Development of Using PSA as a Filler and a Pigment for Papermaking and Coating
Hiroyuki Fukasawa, Masato Saito, Yoshio Hikawa and Naoya Motosugi
- P-07 Preparation of Multi-layer Structural Photocatalytic Paper with High Activity and Strength
Shunpei Ohashi, Satoru Fukugaichi, Akira Uramoto, Hideaki Ichiura, Hiroshi Miyazaki and Satoru Shimizu
- P-08 Comparison between Lumen Loading and *in situ* Synthesis Method for the Development of Magnetic Paper
C. H. Chia, S. Zakaria and T. Yamauchi
- P-09 Application of Spherical Calcium Carbonate to Paper
Yohta Mori, Toshiharu Enomae, and Akira Isogai
- P-10 The Properties of the ISO Bending Resistance Tester
Yasuhiro Oba, Masataka Ito and Kazumi Hirakawa
- P-11 Improved Method for the Quantitative Analysis of Oxalic Acid Accumulated in Pulp Bleaching Processes
Noriaki Nagase, Takako Osada and Akihiro Kakehi
- P-12 Degradation Behavior on Paper for Plain Paper Copy by Accelerated Aging
Daisuke Kobayashi, Takayuki Okayama and Tsukasa Matsuda
- P-13 Characterization of Carbohydrate-linked Lignin by SEC-PDA
Masahiro Yanagisawa and Akira Isogai
- P-14 Fixation of Intelligent Material onto Paper for Preparation of Intelligent Functional Paper
Hideaki Ichiura, Masaaki Morikawa and Jun-ichirou Ninomiya