

# The 2008 (75th) Pulp and Paper Research Conference

Sponsored by JAPAN TAPPI  
Organized by Wood Science Committee

Date: June 26-27, 2008

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

Dead line of registration

June 13, 2008

Program:

## ORAL PRESENTATIONS

- 01-A Modification of retention aid for use in high ionic strength water  
*Takafumi Inaba, Li Wei and Yoshio Mori*
- 02-A The adsorption behavior of the polymer for the color  
*Atsushi Nakamura, Kengo Yamane, Yui Kikuchi and Hiroo Kaji*
- 03-A Relationships between the adsorption mechanism of additives to pulp fibers in cation-anion dual systems and physical properties of the paper  
*Takehiko Uematsu, Shuusuke Kakiuchi, Yoshiaki Matsui and Akira Isogai*
- 04-A Dynamic mechanical properties of paper added with polyacrylamide dry strength resin – Effect of application method -  
*Ichiro Mihara and Tatsuo Yamauchi*
- 05-A Influence by aluminum sulfate for zeta potential of pulp fibers  
-- Comparison of streaming potential and electrophoresis zeta potential meter --  
*Koichi Hagihara and Akiko Mishiba*
- 06-A Optimization of anthraquinone compounds impregnation in modified kraft-quinone cooking  
*Junji Tanaka, Hiroshi Ohi, Tomoya Yokoyama and Yuji Matsumoto*
- 07-A Specification of carbohydrate position attacked by active oxygen species in oxygen delignification process Part 1: On the anomeric position  
*Fumiko Konishi, Tomoya Yokoyama and Yuji Matsumoto*
- 08-A Photochemical bleaching of hardwood pulp by UV radiation  
*Kazuhiro Kurosu, Shoichi Miyawaki and Takashi Ochi*
- 09-A Chlorine dioxide reactions and effective modification in D<sub>0</sub> stage  
*Koki Kisara and Yosuke Uchida*
- 10-A Peroxymonosulfuric acid treatment of ECF bleaching kraft pulp for prevention of yellowing  
*Eiko Kuwabara, Kiyoshi Yoshida and Koshitsuka Tetsuo*
- 11-A Research on ink peeling-off of high gloss coated paper  
*Takehiro Yoshimatsu, Masayuki Kawasaki, Daisuke Sakakibara and Huminari Nonomura*
- 12-B Cost saving concepts for production of high quality single and double coated papers  
*Pekka Salminen*
- 13-A Ink jet paper prepared by using surface-modified calcium carbonate  
*Kei Matsubara, Toshiharu Enomae, Akira Isogai and Masahiko Tajika*
- 14-A A study of media on the color balance of inkjet printing  
*Yujiroh Fukuda, Kimiko Imura, Masato Yamaguchi and Takeshi Iimori*
- S-01 The place of scientists and engineers in Japanese society as seen from the “Rikei Hakusho” project  
*Shiro Segawa*
- 15-C Development of ion conducting polymer based on lignosulfonate  
*Sosuke Inoue, Yasuyuki Matsushita, Takanori Imai and Kazuhiko Fukushima*
- 16-A Synthesis and thermal properties of epoxy resins derived from ligninsulfonate and glycerol

- Tuan Noor Maznee, Shigeo Hirose, Tatsuko Hatakeyama and Hyoe Hatakeyama*
- 17-A Thermal properties of polyurethane foams derived from various plant components  
*Hyoe Hatakeyama, Tadahide Ohsuga, Shigeo Hirose and Tatsuko Hatakeyama*
- 18-A Fiber-network microstructure effect of paper-structured catalyst on methanol reforming behavior  
*Hiroataka Koga, Takuya Kitaoka, Hiroyuki Wariishi and Mitsuyoshi Nakamura*
- 19-A New automatic control system for fiber orientation and improvement of the quality of copy paper  
*Junji Yamamoto, Hidenobu Todoroki, Katsumasa Ono, Takashi Ochi, Takashi Sasaki and Hirofumi Sano*
- 20-A Theoretical study of the sheet transportation speed with the rubber-covered roller  
*Takao Kobayashi and Shinji Nakayama*
- 21-A Canceled
- 22-A Quantitative analysis of coated paper with Ramanscopy  
*Kazushige Fukuda*
- 23-A Migration of chemical substances from paper and board used for food packaging -- Establishment of migration test method and investigation of the paper products --  
*Eriko Tawara, Nobutaka Sugamoto, Junko Ishii, Keijiro Soma and Eishun Tozaki*
- 24-A Recent Japanese condition of AOX discharge and review of AOX measurement  
*Hitoshi Okada, Hitoshi Takagi, Hiro Iwata and Miyuki Nakagawa*
- 25-A Source identification of dioxins and dioxin-like PCBs in the whole mill effluents after ECF conversion of the kraft pulp mills  
*Takayuki Jikibara, Koji Tanaka, Reiji Kaneko, Kazuhito Kawasaki and Kazumasa Toyota*
- 26-A Characterization of cell-wall synthesis transcription factor genes derived from eucalyptus, and investigation of generic engineering effects for fiber qualities  
*Tetsuya Sonoda, Shigeru Sato, Hisako Koita, Nanae Iida, Shiho Ohta, Tazuko Suezaki and Takashi Hibino*
- 27-A Continuous enzymatic saccharification of paper waste  
*Yaping Chao, Hideaki Yukawa and Jun Sugiura*
- 28-A Bioethanol fuel production from bamboo -- Study of the alkali pre-treatment condition --  
*Tsutomu Ikeda, Tomoko Sugimoto, Masanobu Nojiri and Kengo Magara*
- 29-A The evaluation of characteristics of methane fermentation of paper sludge (PS)  
*Takao Ando, Kimio Hiyoshi, Shiuji Shimada, Naoto Matsue and Teruo Henmi*

#### POSTER PRESENTATIONS

- P-01 Production of a functional organic material, PDC, by metabolic function in the lignin degrading bacterium  
*Shinya Kajita, Yoshihiro Katayama, Yuichiro Otsuka, Masaya Nakamura, Seiji Ohara, Eiji Masai, Masao Fukuda and Kiyotaka Shigehara*
- P-02 Survey of chemical substance in paper and board used for food packaging (2)  
*Nobutaka Sugamoto, Eriko Tawara, Junko Ishii, Keijiro Soma and Eishun Tozaki*
- P-03 Reaction behaviors of a superoxide in the bleaching conditions of kraft pulp  
*Kengo Magara and Tsutomu Ikeda*
- P-04 Volatile organic compounds in bleached kraft pulp mill effluents  
*Hiro Iwata*
- P-05 A new pulping method for non-wood fiber resources for the purpose of lightening the loading to environment (V) -- Preparation of oil palm EFB pulps and their sheet properties --  
*Kyoji Suzuki, Azusa Tabuchi, Tetsuo Ide, Saeko Akiyama, Kiyoshi Yoda and Tsutomu Hiyoshi*
- P-06 Analysis of the microstructure of coating layer using nitrogen adsorption method -- Effect of calender treatment, pigment compositions and coating applications --  
*Masashi Okamoto, Hiroyasu Sugawara, Hiroshi Ono and Fuminari Nonomura*

- P-07 Parallel beam X-ray powder diffractometry of small deposits on paper and sheet substances  
*Toshitatsu Takei, Noriaki Nagase and Takao Osada*
- P-08 Cross-section imaging of coated paper by TOF-SIMS -- Investigation into the cause of "edge effect"  
*Hiroto Higashi, Chen Ying Tang and Eishun Tozaki*
- P-09 Evaluation of the effect of filler addition and grammage on inter-fibre bonding  
*Kazunari Kamo and William W. Sampson*
- P-10 Characterization of paper sheets prepared with carboxymethyl cellulose by cation/anion dual systems  
*Takehiko Uematsu, Shuusuke Kakiuchi, Yoshiaki Matsui and Akira Isogai*
- P-11 Aging characteristics of recycled pulp handsheet treated with various bleaching processes  
*Daisuke Kobayashi and Takayuki Okayama*
- P-12 Catalytic reduction of NO<sub>x</sub> using paper-structured catalyst for the purification of automotive emissions  
*Hirotake Ishihara, Hirotaka Koga, Takuya Kitaoka, Hiroyuki Wariishi, Akihiko Tomoda and Ryo Suzuki*
- P-13 Characteristics of paper using paper sludge of sanitary paper  
*Keiichi Chikamori and Teruo Kimura*
- P-14 The development of bio-ethanol production process from oil palm stem  
*Ryuichiro Kondo, Ryuichiro Uchida and Kosuke Murai*