



## Poster Session

**Display:** 9:20-17:00, 14 December 2001  
9:20-13:20, 15 December 2001

**Discussion:** 12:00-14:00, 14 December 2001

- P1. Green Marketing of Automobile Engine Air-Filter Element Using LCA Study**  
Myung-Hwi Kang<sup>1</sup>, Han-Kyoung Lee<sup>1</sup>, Nam-Woong Lee<sup>2</sup>, <sup>1</sup>*Eco-Frontier*,  
<sup>2</sup>*KOAIR, South Korea*
- P2. The Impact of Literature References in the Field of Applied Ecodesign**  
Casper Boks, Ab Stevels, Jurgen Koster, *Delft Univ. of Technology, The Netherlands*
- P3. Research Regarding the Environment-Friendly Slope Protection Frame that Utilized the Felled Tree**  
Kenji Nakamura, *Shimizu, Japan*
- P4. Current Status of Phosphoric Acid Fuel Cell Power Plant**  
Toshiyuki Ito, Y. Ikeda, *Tokyo Gas, Japan*
- P5. Incorporating Environmentally Conscious Materials Selection in CAD System**  
Narito Shibaike, *Matsushita Electric, Japan*
- P6. Design Process to Achieve Easy Assembly and Disassembly**  
Yasuyuki Yamagiwa<sup>1</sup>, Shuichi Iwata<sup>2</sup>, Jun Numata<sup>3</sup>, Yuko Namiki<sup>3</sup>, <sup>1</sup>*Sony*, <sup>2</sup>*The Univ. of Tokyo*, <sup>3</sup>*Musashi Inst. of Technology, Japan*
- P7. Eco-Value as an Indicator for Sustainable Design**  
Fumikazu Masuda, Satsuki Kashima, Naoki Iijima, Kengo Kato, Rei Sekine, Kenji Yamato, Satoko Watanabe, Risa Usami, Katsura Emukai, Tomohisa Kato, Tsuneya Kocho, Tomoya Sasaki, Takuya Sato, Mie Suzuki, Masashi Seo, Kenji Tanabe, Chie Totsuka, Yusuke Nagashima, Akiko Nishimura, Rie Hakamata, Nobuko Hayashi, Kiyotaka Hirai, Kana Horiuchi, Masashi Yabe, *Tokyo Zokei Univ., Japan*
- P8. Study of the Degrees of Freedom Equation in the Compliant Mechanism Design**  
Bartolo R. Rodrigues, *Center of Pharmaceutical Chemistry, Cuba*

- P9. Biodegradable New Charcoal Board Absorbing VOCs as a Building Material**  
Kazunori Shibano<sup>1</sup>, Shuji Yoshizawa<sup>2</sup>, Yuu Ogawa<sup>1</sup>, <sup>1</sup>*Tokyu Construction*,  
<sup>2</sup>*Meisei Univ., Japan*
- P10. Thermal Recycling of Used Vegetable Oil in University Campus**  
HaruHisa Uchida<sup>1</sup>, Tokiko Morikawa<sup>1</sup>, Hiroaki Iwasaki<sup>2</sup>, Shigeru Ohga<sup>2</sup>, <sup>1</sup>*Tokai Univ.*, <sup>2</sup>*Yamaichi New Technology, Japan*
- P11. Solubility of Glass-Epoxy Laminate of Various Sizes in Solution**  
Takeshi Horiuchi, Katsuji Shibata, Hiroshi Shimizu, *Hitachi Chemical, Japan*
- P12. The Research into the Method of Developing Efficient Universal Design in Traffic Environment through the Application of Contingent Valuation Method**  
Toshiki Nishiyama, Ken'ichi Gomyo, Makoto Arisawa, *Keio Univ., Japan*
- P13. Environmental Impact of Energy Distribution Using Hydrogen**  
Haru-Hisa Uchida, Shinya Kato, Mikio Suga, *Tokai Univ., Japan*
- P14. Frist Contract under Green Power Certification System**  
Takeshi Syouda, *Japan Natural Energy, Japan*
- P15. Reduction of Dross Formation during Wave Soldering Using Lead-Free Solders**  
Tadashi Takemoto<sup>1</sup>, Yeon Jun Joo<sup>1</sup>, Shohei Mawatari<sup>2</sup>, Rikiya Kato<sup>2</sup>, <sup>1</sup>*Osaka Univ.*, <sup>2</sup>*Senju Metal Industry, Japan*
- P16. Microscopic Observation of Pb-Free Solder Joint Interface**  
Sunao Miyatake<sup>1</sup>, Hideo Watanabe<sup>1</sup>, Tsutomu Sakatsu<sup>1</sup>, Yasushi Kadota<sup>1</sup>,  
Masaru Yamashita<sup>2</sup>, Ryuji Kanehara<sup>2</sup>, <sup>1</sup>*Ricoh*, <sup>2</sup>*ITES, Japan*
- P17. Foresight of Eco-Design in Chinese Electrical Equipment Manufacturing**  
Zhaohui Qiang, Toshihiko Itou, Naoe Hosoda, Tadatomo Suga, *The Univ. of Tokyo, Japan*