

The 33rd RP Symposium of Japan

Date: June 22, 2009 (Mon) 13 : 00~16 : 45
June 23, 2009 (Tue) 9 : 00~17 : 30

Venue: Shibaura Institute of Technology, Shibaura Campus, Tokyo
3-9-14, Shibaura, Minato-ku, Tokyo, Japan

Jointly Organized by: RP Japan, Japanese Society of Die and Mold Technology

Official Languages: Japanese and English

Conjunction with: 20th DMS Tokyo 2009 (June 24-26 at Tokyo Big Sight)

Registration Fee: ¥30,000

This includes one copy of proceedings, all sessions.

Evening Banquet Fee: ¥5,000

Banquet: June 22, 2009 (Mon) 17:00~19:00

The banquet will be held in the evening at the same place.

Payment: Payment should be completed in cash at the door.

Deadline for Registration: June 15, 2009

PROGRAM

June 22, 2009 (Mon) 13 : 00~16 : 45

【Opening Address】 Chairman of RP Symposium of Japan, Masahiro Anzai (13:00~13:10)

【Keynote Speech I】 Chairman: Norihito Ohigashi (DICO Corporation) President of RP Japan

1. “Convergence Engineering Sprategic Applications of 3D Scanning Data” (13:10~13:55)
Hiromasa Suzuki (The University of Tokyo) Japan
2. (13:55~14:40)
Renji Zhang (Tsinghua University)P.R.China

【New Products I】 Chairman: Fumio Ueda (MARUBENI INFORMATION SYSTEMS CO., LTD.)

1. “New Products ” (14:40~14:55)
Nobuo Ogane (CMET Inc.)Japan
2. “The latest status of DMLS” (14:55~15:10)
Hitoshi Sakai (NTT Data Engineering Systems Corporation) Japan
3. “New Products ” (15:10~15:25)
Thomas H. Pang (3DSsystems Corporation) USA

Break (15:25~15:40)

【New Products II】 Chairman: Toshihiko Maeda (NTT Data Engineering Systems Corporation)

1. “Bringing Rapid Prototyping Technologies In-House-Objet Alaris30” (15:40~15:55)
Winnie Chu (Objet Geometries)
2. “Introduction of Latest 3D Printer from Z Corporation ” (15:55~16:10)
Hiroshi Uno (Z Corporation Japn) Japan
3. “RP Applications for Functional Tests at INCS ” (16:10~16:25)
Taku Yada (INCS INC.) Japan
4. “Design Automation for Mass Customization” (16:25~16:45)
Wim Michiels, Michel Janssens, Karel Brans (Materialise N.V.) Belgium

(Banquet (17:00~19:00))

June 23, 2009 (Tue) 9 : 00~17 : 30

【Research Presentations I】 Chairman: Toshiki Niino (The University of Tokyo)

1. “3D punch design and motion simulation of progressive dies” (9:00~9:20)
Alan C. Lin , Chitien Shih (National Taiwan University of Science and Technology) Taiwan
2. “The Application of Rapid Prototyping for Metal Artwork Design” (9:20~9:35)
Tai-Shen Huang, Yun-zhu Wang (Chaoyang University of Tec) Taiwan
3. “The Application of Rapid Prototyping Technology on Product Design
- A Case Study on Road Racing Bicycle Handle Bar” (9:35~9:50)
Tai-Shen Huang, Jie Huang (Chaoyang University of Tec) Taiwan
4. “Fabrication of Photo-polymerized PCL-PEG-PCL Tissue Engineering Scaffolds by Dynamic
Masking Rapid Prototyping System” (9:50~10:10)
Yih-Lin Cheng, Chun-Yuan Tseng (National Taiwan University of Science and Technology) Taiwan
5. “Whither One of a Kind ?” (10:10~10:30)
Douglas Bucci, Phil Renato, Rebecca Strzelec (University of the Arts) U.S.A.

【Research Presentations II】 Chairman: Hiroyuki Narahara (Kyushu Institute of Technology)

1. “A Strategic Framework and Key Drivers for The Adoption of Rapid Prototyping Technology”
(10:30~10:50)
AYYAZ, Ahmad, MARUF, Hasan, Van Voorthuysen, Erik Jan
(The University of New South Wales Sydney) Australia
2. “Cost benefit comparison of Selective laser sintering (SLS) and fused deposition modeling (FDM)
techniques for manufacturing of foot orthoses” (10:50~11:10)
Jumani Muhammad Saleh, K W Dalgarno (Newcastle University,)U.K.
3. “Multi -Objective Optimisation Model for Predicting the Optimum Settings of Process Parameter for the SLS
Process” (11:10~11:30)
Amit Kumar Singh (BITS Pilani,)India
4. “Simulation and Practice of Stereolithography Rapid Tooling” (11:30~11:50)
Sadegh RAHMATI, Mahmood YAVARI, Philip DICKENS (Islamic Azad University) Iran

Lunch time (11:50~12:50)

【Research Presentations:III】 Chairman: Tsuneo Hagiwara (CMET Inc)

1. “” (12:50~13:10)
Toshiki Niino (The University of Tokyo)
2. “Optimization of Cooling Channel of Injection Mold by Using GA and FEM” (13:10~13:30)
Jianguo Liang, Hiroyuki Narahara, Hiroshi Koresawa, Hiroshi Suzuki (Kyushu Institute of Technology)
3. “Fabrication of a `Photonic Amorphous Structure and Its Electromagnetic-wave Transmission
Properties” (13:30~13:50)
Keiichi Edagawa (The University of Tokyo)
4. “Study on Laser Assisted Milling of Consolidated Structure with the Layered Manufacturing
Process” (13:50~14:10)
Tatsuaki Furumoto (Kanazawa University)
5. “Making of Artificial Bone Using by Inkjet-type Powder-Layered Manufacturing Machine” (14:10~14:30)
Kenji Yamazawa(RIKEN), Masahiro Anzai (RIKEN, Shibaura Institute of Technology)

【Keynote Speech II】 Chairman: Norihito Ohigashi (DICO Corporation)

1. “Product Design” (14:30~15:15)
Noriko Hashida (Shibaura Institute of Technology)

Break (15:15~15:30)

【User examples I】 Chairman: Yoshitaka Takiya (D-MEC LTD.)

1. “RP Used by Our “Tactile Design” Research” (15:30~16:00)

Yuji Hara (K's DESIGN LAB, Inc)

2. “RP as a Material for Contemporary Art” (16:00~16:30)

Kensuke Yamashita (Cleat Inc)

【User examples】 Chairman: Masahiro Anzai (RIKEN, Shibaura Institute of Technology)

1. “HYBRID-Technology EOS750-S and S-Print” (16:30~17:00)

Syuji Koiwai (KOIwai CO.LTD)

2. (17:00~17:30)