

# ISGMA 2013

## International Symposium on Green Manufacturing and Applications

June 25(Tue) - 29(Sat), 2013  
Sheraton Waikiki Hotel, Hawaii, USA

### Topics

- **Design & Manufacturing**
  - Machinery / Aerospace / Electronics / Plant / Robot / EV / Hybrid Car
  - CAD / CAE / CAM / PLM / SCM / Optimization / Reverse Engineering
  - Appropriate Technology / QoLT / Medical Technology / Bio Technology
  - Reliability Analysis / PHM / Faulty Diagnostics and Prognostics
- **Energy Saving & Waste Reduction**
  - Machining / Forming / Grinding / Casting / Forging / Molding / Joining
  - Micro · Nano / Laser / Energy-beam / Printed Electronics
  - 3D Printing / RP&M / R2R / Electro-Chemical / Non-traditional
  - Re-manufacturing / Recycle / MQL
- **New · Renewable Energy**
  - Solar / Wind / Bio / Hydrogen Energy / Fuel Cell
  - Energy Harvest / Storage / Conversion / Recovery
- **Light · Eco-friendly Material & Structure**
  - Natural / Bio-inspired / Light-weight / Flexible / Powder / Multifunctional
  - Metals / Ceramics / Polymers / Composites / FGM / Graphene
  - Smart Material & Structure / Photonic / Display
- **Energy · Environment Management and Policy**
  - Green Factory / Strategy / Policy
  - LCA / Environmental Impact Assessment
  - Smart Grid / IT Applications / Energy Monitoring

### Important Dates

Abstract Submission : **December 31, 2012**  
Acceptance Notification : **February 28, 2013**  
Early Registration : **April 1, 2013**  
Full Paper Submission (optional) : **April 15, 2013**

### Registration

Category	Early Registration	On-Site Registration
Date	Before or on April 1, 2013	After April 1, 2013
Regular	700USD	800USD
Student	350USD	400USD

### Committees

- **Honorary Chair**  
Chong Nam Chu, SNU (Korea)
- **Conference Chairs**  
Eung-Sug Lee, KIMM (Korea)  
Song K. Choi, Univ. of Hawaii at Manoa (USA)
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- **Chairs of Advisory Committee**  
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### Speakers

- David Dornfeld, UC Berkeley (USA)
- Friedrich B. Prinz, Stanford Univ. (USA)
- Dong-Yol Yang, KAIST (Korea)
- Woo IL Lee, SNU (Korea)
- Daniel J. Inman, Univ. of Michigan (USA)
- Minoru Taya, Univ. of Washington (USA)
- Jonathan Colton, Georgia Inst. of Tech. (USA)
- Amar K. Mohanty, Univ. of Guelph (Canada)
- Chi-Hsing Chu, Nat'l Tsing Hua Univ. (Taiwan)
- Hitoshi Ohmori, RIKEN (Japan)
- Di Zhang, Shanghai Jiao Tong Univ. (China)
- Zhongde Shan, China Academy of Machinery Science & Technology (China)
- Choon-Man Lee, Changwon Nat'l Univ. (Korea)
- Jaewhan Kim, Inha Univ. (Korea)

### Organizers

- Korean Society for Precision Engineering (KSPE, Korea)
- Seoul National Univ. (SNU, Korea)
- Institute of Advanced Machinery and Design (IAMD, Korea)
- Univ. of Hawaii at Manoa (USA)
- Korea Institute of Industrial Technology (KITECH, Korea)
- Korea Engineering Plant Technology Center (KEPC, Korea)
- Manufacturing Institute for Research on Advanced Initiatives (Pan-Pacific MIRAI, Japan)



### Co-Organizers

- Global Frontier Center for Multiscale Energy System (Korea)
- Gyeongsang National Univ. (GNU, Korea)
- Inha Univ. (Korea)
- Creative Research Center for EAPaper Actuator
- Korea Industrial Complex Corp. (KICOX, Korea)
- Korea Institute of Machinery and Materials (KIMM, Korea)
- Korea Institute of Materials Science (KIMS, Korea)
- Seoul National Univ. (SNU, Korea)
- Multi-scale Robotics Lab. (MRL)
- Nano Printing Lab.
- State Key Lab. of Adv. Forming Tech. & Equipment (China)
- State Key Lab. of Metal Matrix Composites (China)
- Univ. of Ulsan (Korea)
- Univ. Industrial Technology Force (UNITEF, Korea)



- Selected paper will be published in one of the journals as below (optional) after review;
  - International Journal of Precision Engineering and Manufacturing (SCIE, IF 1.141)
  - Journal of Biobased Materials and Bioenergy (SCIE, IF 1.037)
  - Journal of Composite Materials (SCI, IF 1.068)
  - More SCI/SCIE indexed journals to be added.