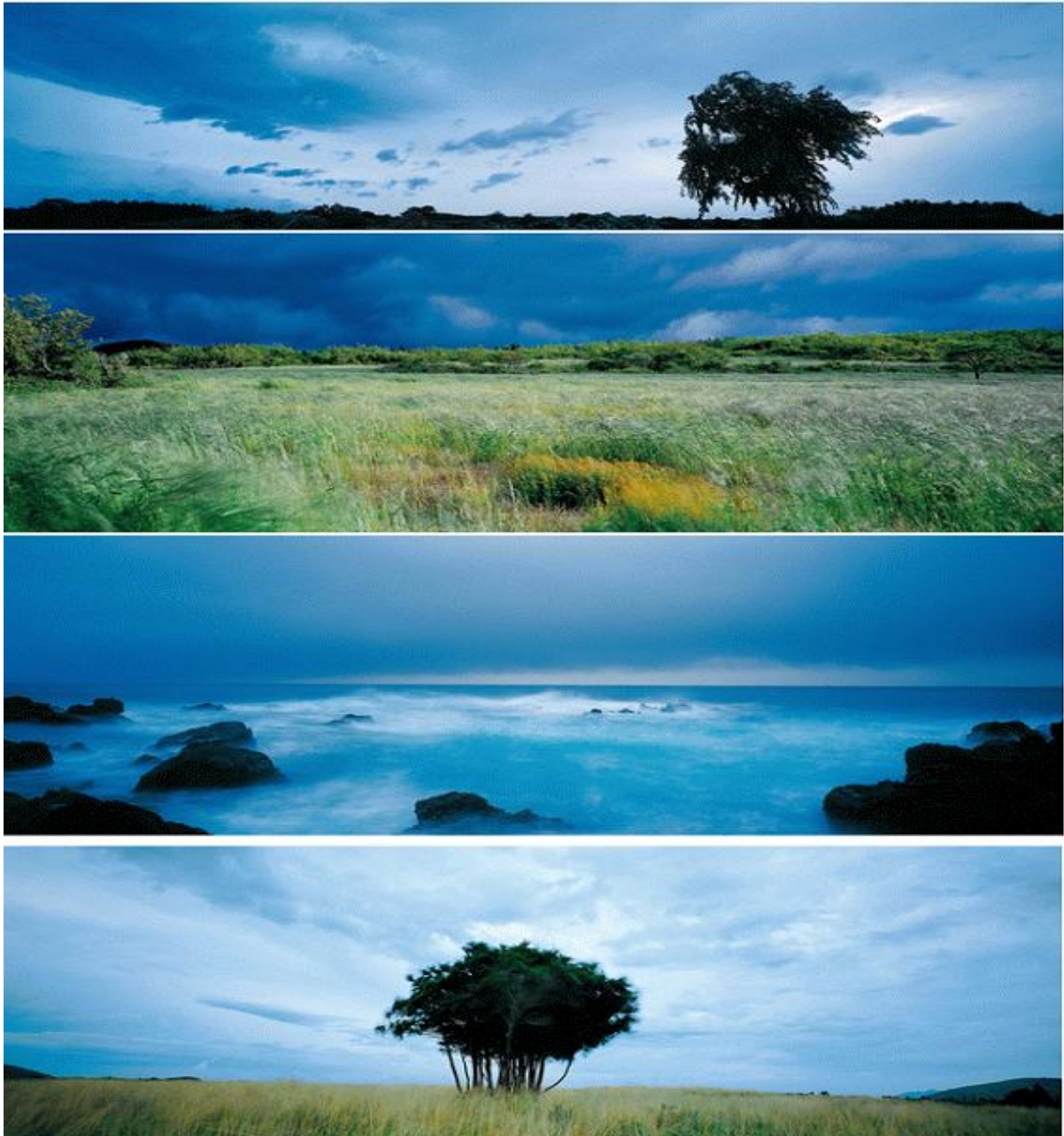


The 10<sup>th</sup> International Conference  
on Nanoimprint and Nanoprint Technology  
October 19 -21, 2011, The Shilla Jeju, Korea

---

# NNT2011

[www.nnt2011.org](http://www.nnt2011.org)



***Nanoimprint : Green Technology for the Future***

**The 10<sup>th</sup> International Conference  
on Nanoimprint and Nanoprint Technology  
October 19 -21, 2011, The Shilla Jeju, Korea**

---

The 10<sup>th</sup> international conference on nanoimprint and nanoprint technology (NNT2011) will be held in Jeju island, Korea on Oct.19~21, 2011. The NNT conference began in San Fransisco 2002 and have been continued every year – Boston 2003, Vienna 2004, Nara 2005, San Fransisco 2006, Paris 2007, Kyoto 2008, San Jose 2009 and the last year in Øresund & Copenhagen.

The NNT2011 conference will be a meaningful event where we can learn about integrated with 7 topics:

- *Application I : Electronics/Magnetics, Optoelectronics/Optics and Photovoltaics*
- *Application II: Biology/u-TAS, Biomimetics, Self-assembly, Chemistry*
- *Material Issues*
- *Metrology, Standards and Reliability*
- *Process and Modeling*
- *Roll to Roll*
- *Stamp, Templates and Equipment*

The purpose of the conference is to provide scientists, engineeres and researchers with opportunities to share research activities, information, and achievements in Nanoimprint. The conference will consist of 7 technical oral and poster sessions and social program.

Jeju will provide the participants with opportunities of enjoying the natural beauty of the volcanic island including pristine seas and fantastic rock cliffs, and wide green meadows grazing with horses.

NNT2011 committee will appreciate your participation and interest.

**☒ Important Dates**

- **Abstract Submission : by June 20, 2011**
- **Author Notification : by July 18, 2011**
- **Deadline of Pre-registration: September 30 (Fri), 2011**

## I. COMMITTEE

### ☒ International Steering Committee

*Stephen Y. Chou (Princeton University, USA)*

*Eung Sug Lee (Korea institute of Machinery & Materials, Korea)*

*Heon Lee (Korea University, Korea)*

*Shinji Matsui (Hyogo University, Japan)*

*Lars Montelius (Lund University, Sweden)*

### ☒ NNT2011 Conference Committee

*Conference Chair : Woo Il Lee (Seoul National University)*

*Co-Chair : Sang Rok Lee (Center for Nanoscale Mechatronics & Manufacturing)*

*Jong Min Kim (Samsung Electronics) -*

*Program & Publication Chair :*

*Eung Sug Lee (Korea institute of Machinery & Materials)*

*Publicity Chair : Heon Lee (Korea University)*

*Exhibition Chair : Jun-Ho Jeong (Korea institute of Machinery & Materials)*

### ☒ Program Committee

#### **Application I : Electronics/Magnetics, Optoelectronics/Optics and Photovoltaics**

Chair : Shinill Kang (Yonsei University, Korea)

Co-chair: Yoshihiko Hirai (Osaka Pref. University, Japan)

Byung Kyu Lee (Samsung Electronics, Korea)

Inkyu Park ( KAIST, Korea)

#### **Application II : Biology/u-TAS, Biomimetics, Self-assembly, Chemistry**

Chair : Kahp-Yang Suh (Seoul National University)

Co-chair: Akihiro Miyauchi (Hitachi, Japan)

Dong Sung Kim (POSTECH)

Myung Mo Sung (Hanyang University)

***Material Issues***

Chair : Dahl-Young Khang (Yonsei University, Korea)

Co-chair: Yoshihiko Hirai (Osaka Pref. Univ., Japan)

Jun-Ho Jeong (Korea Institute of Machinery & Materials)

Patrick Y. Shim (LMS, Korea)

Youn Sang Kim (Seoul National University, Korea)

***Metrology, Standards and Reliability***

Chair : Dae-Geun Choi (Korea Institute of Machinery & Materials)

Si Youl Jang (Kookmin University)

Maeng Hyo Cho (Seoul National University)

***Process and Modeling***

Chair : Myung-Yung Jeong (Pusan National University)

Co-chair: Hiroshi Hiroshima (AIST, Japan)

Heon Lee (Korea University)

Gun-Young Jung (GIST)

Shinji Matsui (University of Hyogo)

***Roll to Roll***

Chair : Nak Kyu, Lee (Korea Institute of Industrial Technology)

Co-chair: Fuh-Yu Chang (National Taiwan University of Science  
and Technology, Taiwan)

Jeongdai Jo (Korea Institute of Machinery & Materials)

***Stamp, Templates and Equipment***

Chair : Jae Jong Lee ( Korea Institute of Machinery & Materials)

Co-chair: Helmut Schift (Paul Scherrer Institut Villigen, Switzerland)

Ho-Duck Rhee (Daekhon Corporation)

Atsushi Yokoo (NTT Basic research lab.)

## II. Invited Speakers & PROGRAM

### ☑ Invited Speakers

#### Plenary Speaker

**Stephen Y. Chou (Princeton University, USA)**

**Jong Min Kim (Samsung Electronics, Korea)**

**Shuichi Shoji (Waseda University, Japan)**

**S.V. Sreenivasan (Molecular Imprints, USA)**

#### Session Invited Speakers

##### Application I :

##### **Electronics/Magnetics, Optoelectronics/ Optics and Photovoltaics**

Yoshihiko Uozu (Mitsubishi Rayyon, Japan)

##### **Application II: Biology/u-TAS, Biomimetics, Self-assembly, Chemistry**

Dongpyo Kim (Chungnam University, Korea)

Deok-Ho Kim (University of Washington, USA)

##### **Material Issues**

L. Jay Guo (University of Michigan, USA)

Se Jin Choi (Minuta Technology, Korea)

##### **Metrology, Standards and Reliability**

Ryuta Washiya (Hitachi, Japan)

##### **Process and Modeling**

Jun-Ho Jeong (Korea Institute of Machinery & Materials, Korea)

Hiroshi Hiroshima (AIST, Japan)

##### **Roll to Roll**

Akihiko Hagiwara (Toshiba Machine, Japan)

Ohseng Kwan(HP, USA)

##### **Stamp, Templates and Equipment**

Douglas Resnick (Molecular Imprints, USA)

Atsushi Yokoo (NTT, Japan)

Helmut Schiff (Paul Scherrer Institut Villigen, Switzerland)

**The 10<sup>th</sup> International Conference  
on Nanoimprint and Nanoprint Technology  
October 19 -21, 2011, The Shilla Jeju, Korea**

---

- **Exhibition** : October 19 -21, 2011, The Shilla Hotel, Jeju

- Booth Size: 2m x 2m

- Participation Fee : KRW 1,200,000 / USD 1,500**

- Including : wall(1m x 2.4m panels) assembled with aluminum frame-  
Fascia name Pytex(Carpet), 1 information desk and chair per exhibitor, 3  
Spot Light(100W) and one fluorescent lamp (40W) per booth, 1 Power  
Outlet (220V) , 1 Waste Basket

- **Sponsorship**

Sponsorship has become a key element of aggressive marketing strategy. Official sponsors are recognized not just with the sponsored event, but also through prominent on-site signage, inclusion in the NNT2011 Program & Abstract book and acknowledgement on the conference web site.

Please contact the conference secretariat at 82-2-573-6207 or [conference@nnt2011.org](mailto:conference@nnt2011.org) for a customized package that meets your specific objectives.

- **Social Program**

- Welcome reception : PM6:00~8:00, October 19, 2011

- Banquet : PM6:30~9:00, October 20, 2011

- Awards : PM7:00~7:30, October 20, 2011

- **Concurrent Event**

**The 5<sup>th</sup> IEEE Nanotechnology Materials and Devices Conference**

Date: October 18 – 21, 2011      Venue: The Shilla Hotel, Jeju

**The 10<sup>th</sup> International Conference  
on Nanoimprint and Nanoprint Technology  
October 19 -21, 2011, The Shilla Jeju, Korea**

**- Time Table**

Time		Program
19 (Wed)	11:00-13:00	Registration
	13:00-18:00	Technical session(4.5h)
	18:00-20:00	Welcome Reception
Time		Program
20 (Thu)	08:00-08:30	Registration
	08:30-09:00	Open Ceremony
	09:00-09:40	Plenary I
	09:50-10:30	Plenary II
	10:30-12:30	Technical session(2h)
	12:30-14:00	Lunch
	14:00-16:30	Technical Session(2.5h)
	16:30-18:00	Poster Presentation
	18:30-21:00	Banquet & Awards
Time		Program
21 (Fri)	09:00-10:00	Plenary III
	10:00-12:30	Technical session (2.5h)
	12:30-14:00	Lunch
	14:00-16:00	Technical Session(2h)

### III. Venue & Registration

#### Venue

**- Jeju Island, Korea**

Jeju is proud of its unique cultural folk heritage as well as its geographical and historical relevance. The island itself is an extinct volcano with its peak jutting skyward at the center and a broad, gentle littoral all the way around, a very unique geographical condition. There are bountiful forests and ravines, fantastic rock formations and volcanic craters, and caves and grasslands that together paint a natural scene of breathtaking beauty. Sparkling seas and tiny islets surround Jeju, with jutting rocks set amidst sandy beaches to create a magnificent view virtually everywhere you look. In June 2007, the volcanic island and lava tube cave systems were designated as UNESCO World Natural Heritage Sites for their natural beauty and geographical value.

**The 10<sup>th</sup> International Conference  
on Nanoimprint and Nanoprint Technology  
October 19 -21, 2011, The Shilla Jeju, Korea**

---

- **The Shilla Hotel Jeju/ <http://www.shilla.net/jeju>**

THE SHILLA maintains elegance and a tradition of winning guests' hearts with the aim of becoming 'the best hospitality company'. By joining LHW, it is on par with the most luxurious hotels in the world. THE SHILLA JEJU's open view of the Pacific Ocean with bright splendid pastel tone interior is Korea's No. 1 resort harmonized with world's famous artist's works and exotic garden and fresh smile with careful service together.

FACILITIES : FITNESS CLUB, INDOOR AND OUTDOOR SWIMMING POOLS, RACQUE INDOOR GOLF RANGE, TENNIS COURT, GUERLAIN SPA, CASINO, KID'S CLUB, SOUVENIR SHOP, PHOTO SHOP, GAME PLAZA

**☑ Conference Registration**

	Pre-Registration	On Site
Regular	KRW600,000 (US\$600)	KRW750,000 (US\$700)
Student	KRW200,000 (US\$200)	KRW300,000 (US\$300)

**NNT2011 secretariat**

310, Seshin Bldg, 66-2, Woomyun-dong, Seocho-gu, Seoul, Korea # 137-140  
Email : [conference@nnt2011.org](mailto:conference@nnt2011.org), Tel: +82-2-573-6207, Fax: +82-2-573-6208