

## Venue

### Korea

Korea has a 5,000 year history which is one of the oldest in Asia with a rich culture developed over its long history. It has been known as the land of the morning calm not only for its pleasant and peaceful atmosphere but also for its beautiful natural scenery. These days Korea is one of the world's most technologically advanced countries and because of its unique geographical location, Korea has served as a major international hub in Asia. Also, Korea has been selected as the host country of the G-20 summit, held in November 2010.



### Busan

A harmonious blend of mountains, rivers, and the sea brings the stunning natural surroundings around Busan. The local geography includes a coastline that has both superb beaches and scenic cliffs in abundance, mountains which provide excellent hiking trails with extraordinary views, and hot springs scattered throughout the city.

Busan was ranked as the 6<sup>th</sup> most popular convention city in Asia by the Union of International Association. There is a big selection of accommodation available, from luxurious 5-star hotels to low-budget hostels, all within 5 to 10 minutes from BEXCO, the main venue.

Moreover, the largest luxurious shopping center in Asia is next to the venue and beautiful beaches of Haeundae and Gwanganri, which offer a wide variety of nightlife.

Busan is easily accessible by air. It's only 40 minutes to the downtown area from Gimhae International Airport. Direct service to Busan from Japan (5 flights) and China (9 flights) are available. By transferring from Incheon International Airport, visitors around the world can easily connect to Busan in 50 minutes.

### ICM 2012 Secretariat

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# THE 19<sup>TH</sup> INTERNATIONAL CONFERENCE ON MAGNETISM

with Strongly Correlated Electron Systems 2012

July 8 - 13, 2012 Bexco, Busan, Korea  
[www.icm2012.org](http://www.icm2012.org)

### Important Dates

Abstract Submission Opens	► September 1, 2011
Pre-Registration Opens	► September 1, 2011
Abstract Submission Deadline	► January 31, 2012
Acceptance Notice	► February 29, 2012
Paper Submission Deadline	► April 30, 2012
Pre-Registration Deadline	► June 15, 2012



# Invitation

Dear Colleagues,

On behalf of the Organizing Committee, we are pleased to announce that the 19<sup>th</sup> International Conference on Magnetism will be held in Busan, Korea, July 8~13, 2012. In Korea, both academic and industrial areas related to the field of magnetism are rapidly growing, and the Korean magnetic community has been the 3<sup>rd</sup> largest in terms of the number of participants in the recently held major international conferences on magnetism. In addition, as one of the countries leading the world in various industries, Korea is recognized as a role model to all developing countries.

The host city, Busan, is the second largest and the most beautiful port city in Korea. It has an attractive balance between a long, rich heritage of dynasties and a recently developed modern culture. Notably, Busan was the place where the most advanced ancient iron age bloomed throughout 5,000 years of Korean history. The city's natural endowments and rich history have resulted in Busan's increasing reputation as a world class city of tourism and culture, and is also becoming a renowned international convention destination.

We cordially invite you to join us and be part of this emerging, interdisciplinary field at the 19<sup>th</sup> International Conference on Magnetism. We hope that you take this chance to explore one of the most exciting and wonderful countries in the world. We are looking forward to seeing you in Busan, August, 2012.



Sung-Chul Shin, Chairperson  
The 19<sup>th</sup> International Conference on Magnetism  
President, DGIST

# Organizing Committee of ICM 2012

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	<b>Soonchil Lee</b>	KAIST	Korea
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	<b>Gwan Soo Park</b>	Pusan National University	Korea





Plenary Lectures



Prof. Albert Fert  
Université de Paris-SUD, France

\*Nobel laureate  
in Physics (2007)



Prof. Andre Geim  
University of Manchester, UK

\*Nobel laureate  
in Physics (2010)



Prof. Klaus von Klitzing  
Max-Planck-Institut FKF, Germany

\*Nobel laureate  
in Physics (1985)



Prof. Sang-Wook Cheong  
Rutgers Univ., USA and POSTECH, Korea



Prof. Zachary Fisk  
University of California, Irvine, USA



Prof. Sadamichi Maekawa  
Japan Atomic Energy Agency (JAEA),Japan



Prof. Roland Wiesendanger  
University of Hamburg, Germany

Conference Program

The ICM 2012 will feature diverse and up-to-date academic sessions with various topics. The details on plenary, invited lectures and contributed sessions will be posted on the conference website ([www.icm2012.org](http://www.icm2012.org)). Please, visit the website for the latest news and updates on the conference program.

Time	July 8 (Sun)	July 9 (Mon)	July 10 (Tue)	July 11 (Wed)	July 12 (Thu)	July 13 (Fri)
09:00			Oral Session			
10:00		Opening				
11:00			Coffee Break			
12:00			Oral Session			
13:00			Lunch			
14:00		Poster Session	Excursion		Poster Session	
15:00		Oral Session			Oral Session	
16:00	Registration	Coffee Break		Coffee Break	Closing	
17:00	Welcome Reception	Oral Session		Oral Session		
18:00					Conference Dinner	
19:00						
20:00						

Call for Abstract

Online Abstract Submission starts from September 1, 2011.  
(Abstract Submission Deadline: January 31, 2012)

The Program Committee cordially invites you to submit abstracts online for oral and poster presentations. If your abstract is accepted for presentation at ICM 2012, we encourage you to submit your full manuscripts for publication by April 30, 2012. Details on the abstract submission will be updated at [www.icm2012.org](http://www.icm2012.org).

Major Topics at ICM 2012

1. Quantum and Classical Spin Systems

2. Magnetic Structures and Interactions

3. Magnetization Dynamics and Micromagnetics

4. Spin-Dependent Transport

5. Spin Electronics

6. Magnetic Thin Films, Particles and Nanostructures

7. Soft and Hard Magnetic Materials and their Applications
8. Novel Materials and Device Applications

9. Superconductivity

10. Magnetic Recording and Memories

11. Measuring Techniques and Instrumentation

12. Industrial Applications

13. Interdisciplinary Topics

14. Strongly Correlated Electron Systems

Sponsorship

Make the most out of the ICM 2012 for your company with a wonderful sponsorship opportunity that suits you best. For a cost effective method to maximize your presence at the conference and to strengthen your brand identity, we offer a variety of sponsorship and advertisement opportunities to enhance your company's image throughout the conference. The sponsorship program provides value-added services and if you need more information, please do not hesitate to contact the secretariat at [icm@icm2012.org](mailto:icm@icm2012.org).

Registration

Online Registration starts from September 1, 2011.  
(Pre-Registration Deadline: June 15, 2012)

Participants are encouraged to register before June 15, 2012 to receive the early registration discount. The details of the registration guidelines will be updated at the website [www.icm2012.org](http://www.icm2012.org).





# Welcome to Busan, Korea

## Tourist Attractions



### Haeundae Beach

Haeundae Beach is probably the most famous beach in the country. This white sand beach is 1.5 km long, 30~50m wide, and spans an area of 58,400m<sup>2</sup>. The beach is famous not only for its beauty but also for the various cultural events and festivals held throughout the year. Also, along the beach, you will have a chance to enjoy Korean traditional games. About 18 million people visit this marvelous spot every year.



### Nurimaru APEC House

The name Nurimaru APEC House is created by combining the Korean words nuri ("world") and maru ("summit"), and "APEC House," which refers to an APEC conference hall. Collectively, it means "a house where the world summits gather together for an APEC meeting." Located on Dongbaekseom Island, which is noted for its beautiful landscape accented by dense camellia and pine trees, Nurimaru APEC House has been a memorial hall and a prestigious international conference hall since the APEC summit meeting.



### Beomeosa (Buddhist Temple)

Beomeosa Temple was constructed by monk Ui Sang in 678, the Silla Kingdom. The original Beomeosa Temple was lost during the Imjinwaeran War (16C) but was restored in 1713, which remains as it now is. Daeungjeon (central building where a Buddha statue is seated) is one of the most delicate and luxurious architectures of the Joseon Dynasty (14C~20C). You can experience a Korean Buddhist monastic life through temple-stay programs.

