

CCP 2006

Conference on Computational Physics
August 29 - September 1, 2006
(Gyeongju, Republic of Korea)

Overview

The 2006 Conference on Computational Physics is organized by the Committee of Computational Physics of Korean Physical Society. CCP is supported by IUPAP, AAPPS, APS and EPS and is one of the most versatile conferences in computational science world-wide. The number of attendees varies between 400 and 500.

The Conference will comprise 2 plenary sessions and 8 parallel sessions per day, and 2 poster sessions.

CCP continues the series of the APS-EPS "Physics Computing" (Boston 1989, Amsterdam 1990, San Jose 1991, Prague 1992, Albuquerque 1993, Lugano 1994, Pittsburgh 1995, Krakow 1996, Santa Cruz 1997) and is periodically alternating since 1998 between Europe, North America, and Asia-Pacific (Granada 1998, Atlanta 1999, Brisbane 2000, Aachen 2001, San Diego 2002, Beijing 2003, Genova 2004, Los Angeles 2005).

Topics to be Covered

- NANO: Simulation of nano-scale physics
- COND: Simulation of condensed matter physics
- PLAS: Simulation of plasma physics
- STAT: Simulation of statistical systems
- BIOP: Simulation of biological physics
- PPNP: Particle physics and nuclear physics
- ASTO: Numerical astrophysics
- EDUC: Computational physics education
- MISC: Miscellaneous unclassified fields

Invited Speakers

TOPIC 1: Condensed Matter and Nanophysics

R. Car	Princeton U	USA
C. T. Chan	HKUST	Hong Kong
J. Chelikowsky	UT Austin	USA
G. Galli	UC Davis	USA
G. Y. Guo	NTU	Taiwan
J. Hafner	U Wien	Austria
J. Ihm	SNU	Korea
S. G. Louie	UC Berkeley	USA
M. Parrinello	ETH	Swiss
M. Scheffler	FHI	Germany
M. Sprik	U Cambridge	UK
K. Terakura	Hokkaido U	Japan
E. G. Wang	IoP Beijing	China

TOPIC 3: Plasma Physics

A. Becoulet	CEA	France
V. Decyk	UCLA	USA
D. Economou	U Houston	USA
G. Hagelaar	CNRS-Toulouse	France
X. W. Hu	HUST	China
F. Iza	POSTECH	Spain
S. Kuhn	U Innsbruck	Austria
M. J. Kushner	Iowa SU	USA
E. Lefebvre	CEA	France
S. Longo	U Bari	Italy
T. Makabe	Keio U	Japan
A. Miyagawa	AIST	Japan
M. Turner	U Ireland	Ireland
J. S. Wu	N Chiao-Tung U	Taiwan

TOPIC 5: Astrophysics

M. Choptuik	UBC	Canada
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TOPIC 2: Statistical Physics

K. Binder	U Mainz	Germany
H. J. Herrmann	U Stuttgart	Germany
H. W. Jeong	KAIST	Korea
D. P. Landau	U Georgia	USA
E. Luijten	UICC	USA
J. Marro	U Granada	Spain
Y. Okabe	Tokyo Metro U	Japan
D. Stauffer	U Koeln	Germany
T.J.H. Vlugt	Utrecht U	Netherlands
J. S. Wang	NUS	Singapore
J. P. Wittmer	ICS-Strasbourg	France

TOPIC 4: Education of Computational Physics

P. Borchers	U Birmingham	UK
R. Landau	Oregon ST	USA
K. C. Lee	SNU	Korea
B. Pailthorpe	U Queensland	Australia

TOPIC 6: Biophysics

F. Brown	UCSB	USA
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C. Gammie	UICC	USA
S. Koide	Toyama U	Japan
C. Park	KIAS	Korea
F. Pretorius	U Alberta	Canada
J. M. Stone	Princeton U	USA

P. Carloni	SISSA	Italy
J. Rodriguez	Purdue U	USA
F. Schmid	U Bielefeld	Germany

TOPIC 7: Particle Physics and Nuclear Physics

P. Avery	Florida	USA
G. Chen	IHEP	China
S. C. Lin	ASGC	Taiwan
S. McKee	U Michigan	USA
G. Moloney	Melbourne	Australia
H. Newman	Caltech	USA
H. Sakamoto	Tokyo U	Japan
I. Sfiligoi	Fermilab	USA
J. Shiers	CERN	Swiss
D. C. Son	CHEP	ROKorea

TOPIC 8: Miscellaneous

Y. Deng	Stony Brook U	USA
H. C. Kim	UC Berkeley	Korea
K. Ostrikov	U Sydney	Australia
P. Vashishta	USC	CA USA

International Advisory Committee

N. Attig	Juelich	Germany
P. H. Borchers	Birmingham	UK
R. Chen	IoBiophysics	China
M. W. Choptuik	UBC	Canada
G. Ciccotti	U Rome	Italy
P. Drummond	U Queensland	Australia
C. F. Gammie	UICC	USA
G.Y. Guo	National Taiwan U.	Taiwan
A. Horsfield	UC London	UK
M. Imada	U Tokyo	Japan
D. P. Landau	U Georgia	USA
R. H. Landau	Oregon State U	USA

Y. Lu	Beijing ITP	China
J. Marro	U Granada	Spain
Y. Okabe	Tokyo Metropolitan U	Japan
A. Oshiyama	U Tsukuba	Japan
M. Payne	Cambridge U	UK
L. Pitchford	CPAT	France
M. Probert	U York	UK
C. V. Sheth	U Swaziland	SW
H. D. Simon	UC Berkeley	USA
J. M. Stone	U Princeton	USA
J. Sun	Io Software	China
H. Takabe	Osaka U	Japan

J. N. Leboeuf	UCLA	USA
S. C. Lin	Computing Center - AS	Taiwan
S. G. Louie	UC Berkeley	USA

T. Takada	NEC	Japan
D. S. Wang	Beijing IoP	China

Program Committee

P. H. Borchers	Birmingham	UK
R. Chen	IoBiophysics	China
S. Hamaguchi	Osaka U	Japan
J. Y. Hsu	NTU	Taiwan
J. Ihm	SNU	Korea
K. S. Kim	POSTECH	Korea
J. S. Kim (chair)	POSTECH	Korea
S. Koide	Toyama U.	Japan
H. M. Lee	SNU	Korea
J. K. Lee (vice-chair)	POSTECH	Korea

N. K. Lee	Sejong U	Korea
B. Li	NU SG	Singapore
S. C. Lin	Computing Center - AS	Taiwan
Y. Lu	Beijing ITP	China
Y. Okabe	Tokyo Metro U	Japan
A. Oshiyama	U Tsukuba	Japan
D. C. Son	Kyungbuk U	Korea
J. Sun	Io Software	China
Y. G. Yoon	Chung-Ang U	Korea

Local Organizing Committee

J. S. Kim (chair)	POSTECH	Korea
J. K. Lee (vice-chair)	POSTECH	Korea
J. S. Ahn	Busan NU	Korea
G. W. Cho	KISTI	Korea
K. H. Cho	Kyungbuk U	Korea

S. H. Jhi	POSTECH	Korea
H. M. Lee	SNU	Korea
N. K. Lee	Sejong U	Korea
Y. G. Yoon	Chung-Ang U	Korea

Venue

Gyeongju Hyundai Hotel

Hyundai Hotel is a 4 star hotel located on the waterfront of Bomun Lake in Gyeongju, the capital of the ancient kingdom Silla. Built and embellished in the traditional Korean style, the hotel is 8 km from the city centre. Ulsan airport is 30 minutes by car from the hotel, while the railway station is 10 km away. Hyundai offers 449 modern and comfortable rooms, each with a private bathroom. It is a very popular venue for international conferences. The latest one includes the summit meeting

between Korea and USA. Guests can dine at the in-house restaurants, serving authentic Korean, Chinese, Japanese and Western food. There are swimming pools, spa, sauna, fitness centre and a tennis court.

Proceedings

Proceedings will be published as a special edition of a regular journal with normal referee processes. Manuscript style and guide line such as a page limit will be announced on March 15, 2006. All presentations including posters will be given journal pages if accepted by referees. The deadline for manuscript submission is September 1, 2006.

Registration

Registration begins on March 15th, 2006 and continues until July 15th, 2006.

- **On-line Registration:** <http://ccp2006.postech.edu>

- **Registration by E-mail or fax**

Please fill out the form and send it by e-mail or by fax to

ccp2006@physics.postech.ac.kr

fax: +82-54-279-8056

Early registration fees (until July 15) are US\$400 for an academician, US\$600 for a non-academician and US\$175 for a student. Add US\$50 for registration at the site. The fee for a retired senior is US\$100. All presenters must pay the full registration fee.

The fee will cover attendance at all sessions, coffee breaks, a souvenir bag, and a copy of proceedings. Only the pre-paid participants will be included in the list of participants in the book of abstract. Souvenir bags will be reserved for pre-paid participants. We will prepare a limited number of bags for on-site registrants which will be distributed on the first-come first-served rule but it will not be guaranteed.

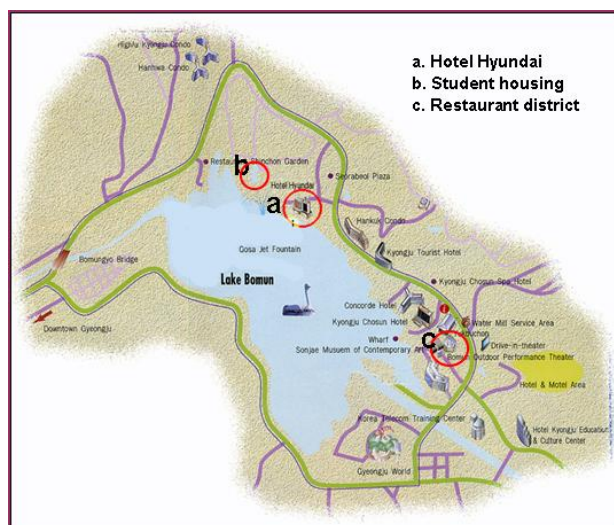
One ticket for the conference banquet is included for those paying a full registration (> US\$400). Others wishing to attend the banquet must buy a ticket (until Aug 28) for KW50000 (KW 40,000 for a spouse), which will be included as a part of the registration fee in the receipt.

Financial Support

Limited travel support is available for participants from Asian countries of AAPPS except for Japan, China, Taiwan, Hong Kong, Singapore. Please ask the physical society of your country.

Accommodation

Accommodation arranged by CCP2006



Please use the registration form to make a reservation at the special conference rate.

(a) Hyundai Hotel: http://www.hyundaihotel.com/gyeongju_en

- Conference head quarter
- 5 star hotel
- rate: tax and service charge included
 - KW 100,000 for single, KW 120000 for double (with breakfast buffet for both occupants)
 - KW 83,000 for single, KW 86,000 for double (without breakfast buffet)

(b) Student Housing (for students only)

- about 10 minutes by walk from Hyundai hotel
- rate:
 - KW 20,000 for one person (5 people share one unit, no breakfast)

Other hotels in Bomun district

Make a reservation yourself.

Gyeongju Hilton Hotel

tel.: +82-54-745-7788

fax: +82-54-745-7799

Gyeongju TEMF Hotel

tel.: +82-54-745-8100

fax: +82-54-748-8563

Concorde Hotel

tel.: +82-54-740-6204~5

fax: +82-54-745-7010

Commodore Hotel

tel.: +82-54-745-7701

fax: +82-54-740-8260

Gyeongju Tourist Hotel

tel.: +82-54-745-7123

fax: +82-54-745-7129

Meals

(1) \$10-\$20 menu will be provided at Hyundai hotel.

(2) In the restaurant district 2km from Hyundai hotel, most restaurants sell \$4-\$10 meals. Mostly noodles and Korean dishes.

Transportation:

[1] Incheon -> Gyeongju: (by air)

shuttle bus (Incheon airport -> Gimpo airport), fly to Ulsan airport, taxi to Gyeongju Hyundai hotel not Ulsan Hyundai hotel (2.5 hrs, \$40 for ground transportation)

[2] Incheon -> Gyeongju: (by bus1)

airport limousine bus to Gyeongju bus terminal, taxi to Hyundai hotel (5 hrs, \$30, only 4 times; 09:20, 13:50, 17:50, 20:00)

[3] Incheon -> Gyeongju: (by bus2)

bus # 609 to Gyeongbu Express Bus Terminal (2nd stop), express bus to Gyeongju bus terminal, taxi to Hyundai hotel (6.5 hrs, \$40)

[4] Busan -> Gyeongju

airport limousine bus to Gyeongju bus terminal, taxi to Hyundai hotel (75 min, \$15, departs; 08:35, 09:35, 10:35, 12:05, 13:05, 14:05, 15:35, 16:35, 17:35, 19:05, 20:25)

[5] Incheon with tour-1

meet at a place in Seoul in the morning of August 28



tour bus will visit many places and take you to Hyundai hotel (12 hrs, \$??)

[6] Incheon with tour-2

pick up at Incheon airport between 11:30-12:30 on August 27

tour bus will visit many filming places and take you Hyundai hotel on August 28 (\$???, spouse: discount)

for [5] and [6], please contact CCP secretary: ccp2006@physics.postech.ac.kr

fax: +82-54-279-8056

for detailed instructions and other options, please visit the web site,

(<http://ccp2006.postech.edu>)

Social Programs

- (1) Aug 28: Tour the filming locations of the popular TV series Winter Sonata or DaiJangGeum (see the web-site for details)
 - (2) Aug 29: POSCO(Pohang steel co.), POSTECH(Pohang University of Science and Technology, Yangdong Folk Village (KW10000, 6hrs)
 - (3) Aug 30: Hyundai Motors, Bulguksa Temple, Gyeongju (KW25000, 7hrs)
 - (4) Aug 30: Banquet (KW40000 for spouse)
 - (5) Aug 31: Busan city tour, shopping (KW30000, 10hrs)
- ** (2), (3), (5) will be operated by POSTECH faculty wives association.
Lunch is not included but you will be taken to a restaurant.

Weather

The average temperature of Gyeongju is about 25C in late August. It may rain occasionally but not much. An umbrella costs about \$3.

Currency and Credit Cards

The unit of Korean currency is Won. Major foreign currencies, traveller's checks, and major credit cards are accepted at most hotels, banks, airports. Current exchange rate is approximately 950-1050 Won per US\$1.

Passport and Visa

Any foreign visitor wishing to enter the Republic of Korea must have a valid passport and obtain a Korean visa before coming. But people of 99 countries who want to visit Korea temporarily are permitted to enter without a visa according to visa-exemption agreements (example 1), or in accordance with principles reciprocity or national interest (example 2). Please visit the CCP2006 web-site for details. (<http://ccp2006.postech.edu>)

Contacts

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