The 7th MCG International Conference

On Creativity in Mathematics Education and the Education of Gifted Students

2nd Announcement

July 15–18, 2012 at KSA, Busan, Republic of Korea
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Venue

All the Conference activities except the Banquet will take place at Korea Science Academy of KAIST\(^1\), Busan, Republic of Korea

Website

- MCG7 Homepage: www.mcg7.org
- MCG Homepage: http://www.igmcg.org/

Be sure to visit the official MCG7\(^{th}\) website. Participants can find various useful information for registration, accommodation, transportation, and submission of proposals on the website.

Important Addresses

Local Organizing Committee, Chair
Dr. Choi, Jong Sool
Korea Science Academy of KAIST
105-47, Backyang Gwanmun-ro, Busanjin-gu, Busan
614-822, Republic of Korea
E-mail: choijon@kaist.ac.kr
Office phone number: 82-51-606-2386, Fax: 82-51-606-2264, Mobile: 82-10-3756-8060

Local Organizing Committee, Secretary
E-mail: mcg7@kaist.ac.kr; All submissions will go through this E-mail address.

\(^1\) http://www.ksa.hs.kr/homepage/english/index.jsp
What about MCG?

The International Group for Mathematical Creativity and Giftedness (MCG) is a professional society designed to support and promote mathematical creativity and giftedness in students of all ages and of various backgrounds. Interested individuals from around the globe are invited to join us.

Mission

The purpose of MCG is to bring together mathematics educators, mathematicians, researchers, and others who are interested in nurturing and supporting the development of mathematical creativity and the realization of mathematical promise and mathematical giftedness, promoting the improvement of teaching and learning mathematics, and widening students’ abilities to apply mathematical knowledge in innovative and creative ways. The work of the Group will concentrate on distinct but interrelated domains such as:

- Mathematical creativity for all students, from various backgrounds, and of all ages;
- Mathematical creativity, aptitude, and achievement;
- Mathematical giftedness, talent and promise;
- Mathematical creativity for individuals or teams, inside or outside the classroom;
- Mathematics competitions.

Aims

The aims of the Group are to:

- Encourage research concerning the discovery, nurture and support of mathematical creativity, giftedness, talent and promise for all students;
- Support investigation and dissemination of information on the role of teacher knowledge and education, educational systems, and cultural aspects related to the development of mathematical creativity and promise;
- Stimulate regional and international activities to promote the aims of the Group;
- Cooperate with regional and international associations with similar aims;
- Organize international conferences and stimulate discourse between mathematicians, psychologists, educators, researchers, curricular designers and sociologists;
- Stimulate and support members of the Group to participate actively in conferences or projects, or other activities that enhance the aims of the Group;
- Further scientific publications and encourage the development of websites for effective communications;
- Assist educators and inform policy-makers.
Organization of the Group

The Group has the following organs.

- General Membership Meeting (GMM):
  - The GMM will be held at least every two years, normally during an International Conference of the Group. The agenda will be sent to every member at least one month before the date of the meeting. The agenda will include information about vacancies for the Board of Officers and the International Committee.
  - At the GMM, the chair is taken by the President or the Vice-President. The GMM approves resolutions by a simple majority of the votes cast.
  - Elections are done by secret ballot.
  - The Secretary will prepare minutes of the GMM which, after approval by the Board of Officers, will be distributed to all members.

- Board of Officers: President, Vice-President, Secretary, Treasurer
  - The four Officers are responsible for administering the affairs of the Group. In general the term of office for each officer will be four years. Immediate re-election after a consecutive term of four years is not possible.
  - The four Officers will be elected by the GMM, in general, among those who have served as members of the International Committee, for at least one year.
  - To facilitate a consistent work of the Group, the GMM will elect the Vice-President and the Secretary in one year, and the President and the Treasurer two years later. For special purposes, the Board of Officers may invite extra persons to assist in its work not more than two years.
  - The four Officers must come from different countries.

- International Committee (12 members):
  - The International Committee (IC) assists the Officers in their work as well as supports its international distribution, about global aspects of the Group.
  - The IC consists of twelve members elected by the GMM. Six of them are elected when there are the elections for the President and the Treasurer and the other six members at the time of electing the Vice-President and the Secretary. Usually the term of office for each IC member will be four years. Immediate re-election is not possible.
  - When an International Committee member retires before the end of the term of office, or becomes one of the Officers, the GMM will elect a new member for the remaining term of office.
  - Not more than two members of the International Committee may come from the same country.
Group History

The group has started in 1999 when Hartwig Meissner organized an International Conference on Creativity and Mathematics Education in Muenster, Germany. About 80 participants from more than 20 countries participated.

In 2002 Agnis Andzans organized the second Conference on Creativity in Mathematics Education and the Education of Gifted Students in Riga, Latvia. At this meeting 40 experts from 15 countries discussed the role of creativity and the role of competitions for future developments in mathematics education.

In August 2003, the Third International Conference on Creativity in Mathematics Education and the Education of Gifted Students was held with great success by Emiliya Velikova and her staff at the University of Rousse, Republic of Bulgaria.

In July 2006, Alena Hospesova and her team organized the Fourth International Conference on Creativity in Mathematics Education and the Education of Gifted Students in a very attractive old city Ceske Budejovice, Czech Republic. There were approximately 40 participants from 22 countries who presented a broad range of interesting lectures and workshops.

In February 2008, Roza Leikin and her team organized the Fifth International Conference on Creativity in Mathematics Education and the Education of Gifted Students in Haifa, Israel. About 200 participants from 24 countries attended 8 plenary lectures, about 50 projects and research presentations and 5 research symposia. For more details see conference website.

At this conference a working group for the establishment of the International Group for Mathematical Creativity and Giftedness was elected at the general meeting of the conference.

Previous Conferences

Past MCGs took place at:

<table>
<thead>
<tr>
<th>Edition</th>
<th>Year</th>
<th>City</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1999</td>
<td>Muenster</td>
<td>Germany</td>
</tr>
<tr>
<td>2</td>
<td>2002</td>
<td>Riga</td>
<td>Latvia</td>
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<tr>
<td>3</td>
<td>2003</td>
<td>Rousse</td>
<td>Bulgaria</td>
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<td>4</td>
<td>2006</td>
<td>Ceske Budejovice</td>
<td>Czech Republic</td>
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<tr>
<td>5</td>
<td>2008</td>
<td>Haifa</td>
<td>Israel</td>
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<tr>
<td>6</td>
<td>2010</td>
<td>Riga</td>
<td>Latvia</td>
</tr>
</tbody>
</table>

2) http://wwwmath.uni-muenster.de/didaktik/u/meissne/WWW/update.htm
3) http://cmeg-5.edu.haifa.ac.il/
4) http://nms.lu.lv/MCG/
Organizing Committee

International Programme Committee

- Meissner, Hartwig (Germany) - meissne@uni-muenster.de
- Sheffield, Linda (USA) - sheffield@nku.edu
- Velikova, Emiliya (Bulgaria) - evelikova@uni-ruse.bg
- Bonka, Dace (Latvia) - dace.bonka@lu.lv
- Bellot-Rosado, Francisco (Spain) - franciscobellot@gmail.com
- Choi, Jong Sool (Republic of Korea) - choijon@kaist.ac.kr
- Cibulis, Andrejs (Latvia) - cibulis@lanet.lv
- Harding, Ansie (South Africa) - aharding@up.ac.za
- Kasuba, Romualdas (Lithuania) - romualdas.kasuba@mif.vu.lt
- Koichu, Boris (Israel) - bkoichu@technion.ac.il
- Krummheuer, Gotz (Germany) - goetzkrummheuer@mac.com
- Leikin, Roza (Israel) - rozal@construct.haifa.ac.il
- Matsko, Vincent (USA) - vince.matsko@gmail.com
- Pitta-Pantazi, Demetra (Cyprus) - dpitta@ucy.ac.cy
- Taylor, Peter (Australia) - pjt013@gmail.com
- Ulovec, Andreas (Austria) - Andreas.Ulovec@univie.ac.at

Local Organizing Committee

- Choi, Jong Sool (Korea Science Academy of KAIST) - choijon@kaist.ac.kr
- Jung, Jaehoon (Changwon Science High School) - math.jung@hanmail.net
- Kang, Mee Kwang (Dongeui University) - mee@deu.ac.kr
- Kim, Boo Yoon (Pusan National University) - kimby@pusan.ac.kr
- Kim, Hun (Korea Science Academy of KAIST) - HunKim@kaist.ac.kr
- Kim, Hyang Sook (Inje University) - mathkim@inje.ac.kr
- Kim, Joo Jong (Catholic University of Daegu) - jykim@cu.ac.kr
- Kim, Ki Won (Silla University) - kwkim@silla.ac.kr
- Kim, Seong-A (Dongguk University) - sakim@dongguk.ac.kr
- Park, Yunju (Korea Science Academy of KAIST) - yunjupark@kaist.ac.kr
Scientific Program

The scientific program will include the following formats:

- Plenary lectures
- Symposia
- Research presentations
- Workshops
- Projects and programs presentations
- Exhibitions and Poster Presentations

- **Plenary Lectures**

  There will be two 50 minutes plenary presentations without follow up discussions. Plenary speakers will be invited by IPC from among the conference applications after having reviewed all proposals.

- **Symposia**

  The goal of a symposium is to create dialogue and discussion on some important issues in the field of the conference. We expect that each symposium will result in research agenda for future research. Five symposia will be managed as parallel sessions once. The symposia will be focused on the selected topics related to that of the conference and coordinated by members of the international program committee and invited experts. The following symposia are planned:

  Mathematical creativity and giftedness in
  - Kindergarten
  - Elementary school
  - Secondary school
  - Out of school activities
  - Teacher professional development

  Short papers (one page only) should include research ideas in the field, including outline of activities for promotion of creativity related authentic research questions, and suggested research procedures.

  The short papers for symposia will be reviewed by the international program committee who will consider relevance of the submission to the topic and the agenda of the symposia.
• **Research Presentations**

Each research presentation will be allowed a total time of 35 minutes: 25 minutes for the oral presentation and 10 minutes for discussion. Research Abstract (one page only, not more than 300 words) will be reviewed by the international program committee.

• **Workshops**

Each workshop will be allotted a total time of 65 or 100 minutes. Short papers (one page only) should include rational, main purposes, mathematical topic, and the ways in which the participants will be involved in the activities.

• **Projects and programs presentations**

This type of presentations will include descriptions of the teaching practices, curricula, projects and programs aimed at the development of students’ mathematical creativity and promoting giftedness. Each program’s presentation will be allotted a total time of 35 minutes: 25 minutes for the oral presentation and 10 minutes for related questions. Short papers (one page only) should include purposes of the projects, its tools, mathematical challenges and some outcomes that demonstrate the effectiveness of the project.

• **Exhibitions and Poster Presentations**

Exhibitions and Poster Presentations are available for those whose work is more suitably communicated in a pictorial or graphical format or demonstration (e.g., computer program), rather than through an oral presentation. A1 page short paper must describe the content of the poster and its design.
# MCG-7 Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>July 15 Sun</th>
<th>July 16 Mon</th>
<th>July 17 Tue</th>
<th>July 18 Wed</th>
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<tbody>
<tr>
<td>8:00</td>
<td>Registration</td>
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<td>8:30</td>
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<tr>
<td>1:00</td>
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<td>Lunch Break</td>
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<td>Lunch Break</td>
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<tr>
<td>2:00</td>
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<td>Parallel Session (2:00~3:50 110min)</td>
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<td>2:30</td>
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<td>Parallel Session (2:00~3:40 110min)</td>
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<td>3:00</td>
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<td>Coffee Break(20min)</td>
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<td>Coffee Break(40min)</td>
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<tr>
<td>4:00</td>
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<td>Parallel Session (4:10~6:00 110min)</td>
<td>General Meeting (4:30~6:00 90min)</td>
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<tr>
<td>6:00</td>
<td>Welcome Party</td>
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<td></td>
<td>Banquet</td>
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<td>6:30</td>
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</table>

※ The schedule can be changed under certain circumstances.
Excursions

Tentative visiting place in Busan Tour

- Korea Science Academy of KAIST
- Haedong Yonggung Temple⁵) - Dongbaek Island, Nurimaru APEC House⁶) - Busan Aquarium⁷) - Haeundae Beach⁸) - Gwangan Bridge(Diamond Bridge) - UN Memorial Cemetery⁹)

▪ Excursion Fee: US$ 40

Tentative visiting place in Gyeongju Tour

- Korea Science Academy of KAIST
- Gyeongju National Museum¹⁰) - Cheonmachong¹¹) - Bulguksa(UNESCO World Heritage)¹²) - Shilla Millennium Park¹³)

▪ Excursion Fee: US$ 60

※ The schedule can be changed under certain circumstances.

⁵) http://www.yongkungsa.or.kr/en/
⁶) http://www.busan.go.kr/open_content/APEC_2005/eng_nurimaru/6260000-arc-2.0-001.jsp?type=1
⁷) http://www.busanaquarium.com/eng/f_main.html
⁸) http://etour.busan.go.kr/content/sub01/01.jsp
⁹) http://www.unmck.or.kr/eng/index.php
¹⁰) http://gyeongju.museum.go.kr/
¹¹) http://en.wikipedia.org/wiki/Cheonmachong
¹²) http://en.wikipedia.org/wiki/Bulguksa
¹³) http://www.smpark.co.kr/eng/index.asp
Registration

Registration is available at MCG7 registration webpage. Registration is valid only when accompanied by confirmation of payment.

Registration

- Registration fee covers the Welcome Party, admission to all scientific sessions, Lunch, Banquet.
- Registration fees are as follows:
  - US$ 200 before April 1st, 2012
  - US$ 230 before June 1st, 2012
  - US$ 250 from June 1st, 2012
- Charge for accompanying person: US$ 100 which includes the Welcome Party, Lunch, Banquet.
- Students 50% off.
- Dual Registration:
  If you register both ICME 12 and MCG 7 before April 1, 2012, you will have a 20% registration discount in ICME 12. Thus you must register MCG7 first and then ICME 12 with the MCG7 registration certificate.

Method of Payment

Payment can be made either through credit card or bank transfer.

Credit card

A participant paying with a credit card may register on-line. Visa, Master and JCB are accepted.

Bank transfer

- Payment of registration fees by bank transfer will not be accepted after 15 June 2012.
- All bank charges must be borne by the delegate and should not be deducted from the total amount remitted.
- All bank transfer must be clearly marked with the delegate's name. If otherwise, please let the secretariat know it.
- A copy of remittance receipt should be faxed or emailed to the Secretariat. Direct bank transfers should be made to the account below:

Oversea

- Bank Name: PUSAN BANK, INT'L BUSINESS DEPT. BUSAN, KOREA
- Account Number: 054-54-002068-0
- Beneficiary: MCG7 LOC
  (The International Group for Mathematical Creativity and Giftedness 7th Local Organizing Committee)
  (Address: Korea Science Academy of KAIST 105-47, Backyang Gwanmun-ro, Busanjin-gu, Busan 614-822, Republic of Korea / Tel: +82-51-606-2386)
• Swift Code: PUSBKR2P

Korean
• 은행명: 부산은행
• 계좌번호: 054-13-000872-4
• 예금주: MCG7조직위원회 최종술

Confirmation Letter
A automatic confirmation letter will be sent to you upon completion of registration by e-mail. You may also download the receipt at “My Page” after logging into the online registration system.

Cancellation of Registration
Cancellation of registration should be notified in writing (e-mail or fax) to the Secretariat. Please note that all refunds will be processed after the Congress for administrative reasons. All cancellations made before June 1st will incur a cancellation fee of 20% of the amount paid. Cancellations after this date will not be possible. If the congress is cancelled for reasons beyond the control of the organizers, the registration fee will be refunded after deduction of expenses related to the handling of the registration.

Visa
The Secretariat will issue a letter of invitation upon request for participants who are obliged to acquire a visa. Visa fees or any relevant expenses are to be borne by the delegate. To receive a letter of invitation, delegates must complete the registration process. In case the visa is not granted, full registration fee will be refunded. Please contact the Secretariat if any problem arises. Visa requirements vary from one country to another in the Asia and the Pacific region. It is the sole responsibility of the delegates to acquire a visa.

* To request a letter of invitation, please send the invitation request form after filling it out and a copy of passport to the secretariat by e-mail or fax.

Important Deadlines

• Abstract Submission Deadline: December 31, 2011
• Acceptance Notification: February 15, 2012
• Early Registration Deadline: March 31, 2012
• Submission of the final version of the accepted paper for the Proceedings: April 30, 2012
Transportation Information

How to travel to Busan?

① After ICME 12 (COEX, Seoul)
   - Walk to 삼성역(Samsoeng Subway Station) - Take Line 2 bound for 사당(Sadang Subway Station) - Transfer Line 4 for 서울역(Seoul Subway Station) at 사당역(Sadang Subway Station) - Exit at 서울역(Seoul Subway Station) and walk to 서울역(Seoul Train Station) - Take the KTX train for 부산(Busan) - Exit at 부산역(Busan Train Station)

② From Incheon International Airport (ICN)
   - Walk to Incheon International Airport Station - Take Airport Railroad for 서울역(Seoul Subway Station) - Walk to 서울역(Seoul Train Station) - Take the KTX train for 부산(Busan) - Exit at 부산역(Busan Train Station)
   - Take a plane from Incheon International Airport bound for Gimhae International Airport - Walk to Domestic Airport - Take bus No.201 for Busan - Exit at Lotte Department Store bus stop

③ Gimhae International Airport
   - Walk to Domestic Airport - Take bus NO.201 for Busan - Exit at Lotte Department Store bus stop

How to travel to Korea Science Academy of KAIST?

① From Busan Train Station
   - Walk to Busan Station Bus Stop - Take bus No.1004 for 구산동(Gusan-dong) - Exit at 국제백양아파트(Gukje-Baekyang Apartment) - Cross the street and walk to Korea Science Academy of KAIST

② From Lotte Department Store bus stop
   - Cross the street(Please use the underpass.) - Take bus No.17 for 국제백양아파트(Gukje-Baekyang Apartment)(Bus 1004 is also ok) - Exit at 화인아파트(Hwain Apartment) - Walk to Korea Science Academy of KAIST

14) The Lotte department store is located next to the Lotte hotel.
15) Only cash, W1,800
16) Only cash, W1,100
### Hotel Information

<table>
<thead>
<tr>
<th>No.</th>
<th>Class</th>
<th>Hotel Name</th>
<th>Possible Room Occupancy</th>
<th>Room rate</th>
<th>Website</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dormitory</td>
<td>Korea Science Academy of KAIST&lt;sup&gt;17&lt;/sup&gt;</td>
<td>38</td>
<td>US$ 15</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Guest House</td>
<td>Korea Science Academy of KAIST&lt;sup&gt;18&lt;/sup&gt;</td>
<td>12</td>
<td>US$ 30</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Tourist</td>
<td>Toyoko-inn Busan Station&lt;sup&gt;21&lt;/sup&gt;</td>
<td>359</td>
<td>approximately US$ 60</td>
<td><a href="http://www.toyoko-inn.com/ie/hotel/00194/index.html">http://www.toyoko-inn.com/ie/hotel/00194/index.html</a></td>
</tr>
</tbody>
</table>

Korea Science Academy of KAIST
- Seo-myeon (Down town, Close to KSA)
- Haeundae (Beach side)
- Near Busan Train Station
- Gwangalli (Beach side)

※ Participants can reserve a dormitory room or guest house after April 1st, 2012 by E-mail.
※ Information will be updated continuously on website.

- For more Busan tour and accommodation Information click here : [http://etour.busan.go.kr/content/00main/main.jsp](http://etour.busan.go.kr/content/00main/main.jsp)

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17) Only beds are available
18) Toiletries and towels will be provided.
19) Under Negotiation for special price.
20) Participants can get a 15% discount for all rooms and reservation is available from early February, 2012
21) Participants can get a 15% discount for all rooms and reservation is available from early February, 2012