



Taiwan International Mathematics Competition 2012 (TAIMC 2012)

World Conference on the Mathematically Gifted Students
---- the Role of Educators and Parents



Taipei, Taiwan, 23rd~28th July 2012

1. IMC 2012 Objectives	<ol style="list-style-type: none"> 1. To organize an international mathematics competition for key stage II (upper primary education) and key stage III (lower secondary education) students; 2. To motivate teachers and students to improve the teaching and learning of mathematics and high-order thinking skills; 3. To establish networks of cooperation for the improvement of international mathematics; 4. To provide students with opportunities to exchange mathematics knowledge and practice and engage in cultural experiences in participating cities and countries; 5. To raise the school mathematics curriculum to international standards; and 6. To provide mathematics teachers and parents of gifted students an international forum to exchange best practice ideas and experience in the teaching of mathematics.
2. Divisions of Competition	<p>TAIMC 2012 is composed of 2 divisions:</p> <ol style="list-style-type: none"> 1. Key Stage II Division (Upper Primary Education) 2. Key Stage III Division (Lower Secondary Education)
3. Qualifications of Participants	<p>Participants must have the following qualifications:</p> <ol style="list-style-type: none"> 1. Key Stage II: Participants must meet the following two conditions: <ol style="list-style-type: none"> (a) Students must not be enrolled in the secondary schools or in any equivalent institutions; and (b) Students must have been born on or after 25 July 1998. 2. Key Stage III : Participants must meet the following two conditions: <ol style="list-style-type: none"> (a) Students must not be enrolled in the upper secondary education or in any equivalent institutions; (b) Students must have been born on or after 25 July 1995.
4. Participation and Application	<p>Participation in the competition is by invitation. Any invited city or country may put forward up to 2 teams to participate in each division. Each team may comprise a maximum of 6 members: a team leader, a deputy leader, and 4 students, except these countries: Bulgaria, China, Hong Kong, India, Indonesia, Macau, Malaysia, Nepal, Philippines, South Africa, South Korea and Thailand, whose status as former or soon-to-be hosts of the IMC activities allows them to send four teams to participate in each division.</p>

5.	Types of Contest
	There will be two kinds of contest in each division namely an individual contest and team contests. It is necessary for all participants to take part in both contests as well as the other scheduled activities.
6.	Competition papers
	The participating country must send ten proposed problems, using Word files written in English, for the Key Stage II contest and the Key Stage III contest; that is, 5 for the individual contest and another 5 for the team contest. These need to be sent to the IMC 2012 Committee via e-mail ccmp@seed.net.tw on or before 30 May 2012 for consideration and preparation of competition papers. The team leaders must avoid using the exact proposed problems that they submit to the organizers in training their contestants. The contest papers may be translated into one's native language on 24 July 2012, after the opening ceremony.
7.	TAIMC 2012 Technical Committee
	TAIMC 2012 Technical Committee comprises of experts from Taiwan and members of IMC Executive Board.
8.	Awards and Prizes
	<ul style="list-style-type: none"> ◦ Individual Award: gold, silver, bronze medals and merit certificates. Approximately two-thirds of the contestants will receive Individual Awards, in the form of Gold, Silver and Bronze Medals as well as merit certificates, approximately in the ratio, 1:2:3:4. ◦ Group Award: Champion, 1st and 2nd runner-up trophies The highest score of the three contestants in each team for Individual Contest will be summed up. Prizes will be awarded to the top teams with the highest scores of each group in the form of one Champion, two 1st runners-up and three 2nd runners-up. In case of a tie, the team whose 4th contestant scores with higher marks in the Individual Contest wins. ◦ Team Award: Champion, 1st and 2nd runner-up trophies In the team contest, the total score of all contestants in each team is considered the team score. The teams are first ranked by their total scores. Ties are broken according to the scores of team contest problems, starting with the most difficult ones. Prizes will be given to one Champion, two 1st runners-up and three 2nd runners-up of different groups. Grouping will be done through drawing of lots. ◦ Overall Award: Grand Champion, 1st and 2nd runner-up trophies The Overall Prize is awarded to the team that obtains the highest score computed as follows: the sum of the four-team members' score in the Individual Contest and of the team's score in the Team Contest. The maximum score is $4 \times 150 + 400 = 1000$ (for EMIC) and $4 \times 120 + 400 = 880$ (for IWYMIC). 1st and 2nd runners-up will also be awarded. ◦ Certificate: Every participant will receive an IMC 2012 certificate.

9. Period of Application and Procedure	
	<ul style="list-style-type: none"> ◦ Any interested city or country must submit the application letter via these e-mail addresses (2010imc@hanmail.net or ccmp@seed.net.tw) on or before February 25, 2012. The organizer will send to your team the acceptance notice on or before 5 March 2012. ◦ A filled-in registration form must be submitted via e-mail to the organizer on or before 30 May 2012. ◦ Each participating team must inform the organizer about its arrival and departure schedule at the Taiwan Taoyuan International Airport in Taoyuan County on or before 30 June 2012. Please indicate the exact terminal of your teams' arrival so that welcome preparation may be properly accorded to your delegation.
10. Proposed Itinerary	
23 July 2012	Arrival in Taiwan Taoyuan International Airport Registration at Grand Hotel
24 July 2012	Opening Ceremony, Team Leaders Meeting, World Conference on the Mathematically Gifted Students - the role of Educators Translation of Competition Papers by Team Leaders
25 July 2012	2012 International Mathematics Competition Competition for Key Stage II and Key Stage III (Individual Contest: 10:00 am, Team Contest : 2:00 pm) Puzzles Challenge World Conference on the Mathematically Gifted Students - the Role of Parents (10:00 am to 5:00 pm) Sightseeing for Team Leaders who are involved in the translation activity Cultural Night of Participating Country
26 July 2012	Sightseeing at Northeast Coast of Taiwan such as Longdong, Nanya, Fulong Beach, Jiufen Village and etc. Meeting of Team Leaders (18:00 to 22:00) Evaluating Competitors' Solutions by Team Leaders)
27 July 2012	Closing and Awarding Ceremony, Shopping, Free Time
28 July 2012	Departure for Homeland with Fond Memory of Taiwan
11. Expenses	
	<ul style="list-style-type: none"> ◦ The organizer will take charge of all official expenses including meals, accommodation, and transport for sightseeing, of the teams from each invited city or country during the official period of TAIMC (23rd-28th July 2012).

	<ul style="list-style-type: none"> ◦ Participants who intend to stay in Taiwan beyond the official duration (early arrival or late departure) are responsible for their own accommodation arrangements and food expenses. ◦ Observers, parents and other accompanying persons have to pay US\$650/pax for accommodation, meals, transportation, and sightseeing during the period of official competition. ◦ Two rooms (1 twin-bed room for 2 persons and 1 two king side-bed room for 4 persons) will be assigned to every participating team. Participants have to share rooms with their own team members or with members of the other teams of their own country or another country. ◦ Each country may send up to two additional or extra teams comprising the same members as the officially invited teams, that is, 4 participants, 1 team leader and 1 deputy team leader. Each member of the additional or extra teams must pay US\$650 for the accommodation, meals, transport, and sightseeing during the period of the official competition. However, members of this extra team may be arranged to stay in another hotel. ◦ Each participating team is responsible for the travel expenses from its homeland to Taiwan Taoyuan International Airport, including visa fees and other expenses for its entry to Taiwan.
12.	Official Languages
	English and Chinese will be the official languages of TAIMC 2012.
13.	Organizer
	Main Organizer: Chiu Chang Mathematics Education Foundation Sponsor: Ministry of Foreign Affairs Ministry of Education Bureau of Foreign Trade Tourism Bureau Council of Labor Affairs of the Republic of China (Taiwan) Department of Information and Tourism of Taipei City Government
14.	Medical Care for Participants
	The organizer will procure accident insurance for all participants during the official period of the competition. The insurance will cover accidents leading to death or permanent disability. All participants are advised to arrange their own medical insurance.
15.	Additional Information
	Each participating country should do the following: <ul style="list-style-type: none"> ◦ Inform the organizer in advance of any specified dietary requirements or restrictions; ◦ Prepare a 5 minute cultural performance for the cultural night; ◦ Complete visa procedures before arriving in Taiwan ◦ Check the website of the Bureau of Consular Affairs Ministry of Foreign Affairs (http://www.boca.gov.tw/np.asp?ctNode=529&mp=2) to prevent possible problems/ inconveniences.