

EGYPT  
2008

Cairo, August 16 - 23

# NEWSLETTER

Issue No. 1

Sunday, August 17, 2008



## Welcome to the 20<sup>th</sup> Round of IOI

Dear Contestants, Leaders and Guests, welcome to IOI 2008, Mubarak City for Education and bright sunny Cairo!!

Undoubtedly, during this Olympiad you will experience a mix of hard work and fun. The local OC and volunteers have been working tirelessly to prepare lots of fun

surprises for you in the next seven days. We will make sure to make record of your participation and feature it in this daily bulletin.

As always, the IOI is a chance for you to make friendships, exchange information, gain knowledge, and learn from each other. Truly, you are all young ambassadors of your countries, and it's always an opportunity to see you at work, have fun and spend some happy times together in a healthy competitive atmosphere.

We hope your short sojourn with us will be full of memories you will cherish for life.



Dr. Ekram Fathy



Dr. Mohamed Youssef

### IOI 2008 Chairmen

Dear IOI 2008 Participants, It is with great honor and pleasure that I take this opportunity to welcome you in the 20<sup>th</sup> IOI.

I thank our OC, sponsors and all the people who helped us during the whole past year in preparation for this event. I welcome our contestants from around the

world representing the 5 continents, indeed from 78 countries, for making the commitment to participate in this olympiad that will hopefully help shape their future.

It is my pleasure to have such a distinguished group of computer skilled and talented youth in our attendance as we reward and evaluate their special skills with hearts full of hope that they will shape the future of computer science.

Finally, I hope that fair competition will instil in our contestants determination to act according to conscience and principles.

### Contestants

07:00 - 09:00  
Breakfast  
  
09:00 - 11:00  
Practice Session  
  
11:00 - 13:00  
Official Opening  
Ceremony  
  
13:00 - 14:00  
Free Time  
  
14:00 - 15:00  
Lunch  
  
15:00 - 22:00  
Golf El Solaimania  
Park & Dinner

### Leaders

07:00 - 15:00  
As Contestant Schedule  
  
15:00 - 16:00  
GA Meeting  
  
16:00 - 18:00  
Free Time  
  
18:00 - 21:00  
GA Meeting (Tasks)  
  
21:00 - 22:00  
Dinner  
  
22:00 - 03:00  
Tasks Translation

### Guests

07:00 - 09:00  
Breakfast  
  
09:00 - 11:00  
Activities  
  
11:00 - 13:00  
Official Opening  
Ceremony  
  
13:00 - 14:00  
Free Time  
  
14:00 - 15:00  
Lunch  
  
15:00 - 22:00  
Golf El Solimania  
Park & Dinner

### ATTENTION

Practice Session will start at 9:00 and the Official Opening Ceremony will start at 11:00



# Muhammad ibn Musa al-Khwarizmi

Al-Khwarizmi was a Persian mathematician, astronomer, astrologer and geographer. He was born around 780 in Khwarizm, then part of the Persian Empire (now Khiva, Uzbekistan) and died around 850. He worked most of his life as a scholar in the House of Wisdom in Baghdad.

His Algebra was the first book on the systematic solution of linear and quadratic equations. Consequently he is considered to be the father of algebra, a title he shares with Diophantus. Latin translations of his Arithmetic, on the Indian numerals, introduced the decimal positional number system to the Western world in the 12th century. He revised and updated Ptolemy's Geography as well as writing several works on astronomy and astrology.

His contributions not only made a great impact on mathematics, but on language as well. The word algebra is derived from al-jabr, one of the two operations used to solve quadratic equations, as described in his book.

The words algorism and algorithm stem from Algoritmi, the Latinization of his name. (In Finnish the term for algorithm is just that, "algoritmi".) His name is also the origin of the Spanish word guarismo and of the Portuguese word algarismo, both meaning digit.

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الموسى بن موسى  
الخوارزمي



## Meet The Volunteers





Feeling @ home



I-MAX Show



First IC Meeting in the IOI 2008



The fun begins ...



Welcome Mexicans



# Happy Birthday



Nayana Somaratna  
Sri Lanka










Robert Ketteringham  
South Africa



Akim Kumok  
Russia

## Site Rules

-  ID must be worn at all times throughout the competition days 16-23 August
-  It is advisable for all contestants to follow the schedule of the Olympiad. Opportunities for external activities and excursions will take place according to the pre-organized schedule. For guests and observers limousine service is available
-  IOI 2008 T-shirts must be worn during the opening ceremony and exams
-  For queries and general information, kindly refer to the Info Desk located on first floor at the Accommodation Building (A)
-  Contact information for doctors and medical center: (+2) 0101538341 or 0105056042 or 0123128320
-  The Mubarak City for Education is a smoke-free zone; kindly consider
-  Kindly use assigned bus for your team

## Weather

Cairo weather in August?! Pretty predictable, the temperature for the week will be in the range of 38° C | 23° C, 100° F | 73° F

Arabic Αραβικά 阿拉伯語 Arabiska Arabe 아랍어 Arabisch عربي

Thank you	Shokran	شكراً
Good morning	Sabah El Khair	صباح الخير
Good evening	Mesaa El Khair	مساء الخير



Problem number 49 from the Rhind Mathematical Papyrus dated back to 1552 BC (Pharaonic middle kingdom). The problem addresses the calculation of an area of a rectangular land given by multiplying the base by the height.

Problem number 51 from the Rhind Mathematical Papyrus dated back to 1552 BC (Pharaonic middle kingdom). The problem addresses the calculation of an area of a triangular land given by multiplying half the base by the height.

Problem number 52 from the Rhind Mathematical Papyrus dated back to 1552 BC (Pharaonic middle kingdom). The problem addresses the calculation of an area of a truncated triangular land given by multiplying the average base by the height.