

DAILY NEWS

news from the 24th International Olympiad in Informatics

PHOTO by CRISTINA SALLI

enjoy ioi!



IOI 2012 is not only a competition

After the first difficult contest, the contestants enjoyed a musical evening organised by the volunteers. Apart from the many relaxing activities inside Garda Village – ping pong, beach volleyball, videogames – IOI 2012 has arranged outings to some of the most beautiful spots in Northern Italy. Yesterday visitors went to Milan where they attended an interesting conference about young talent. Students, however, spent the day in Gardaland, Italy's best known theme park, a few kilometres away. In the next few days they can also see the other side of Lake Garda, visiting the hillside estate Il Vittoriale degli Italiani and of course Venice, a wonder of the modern world.

calendar

Thursday 27

H	CONTESTANTS	LEADERS	VISITORS
06:00 - 07:00	Breakfast		Breakfast
07:00 - 08:00	Meeting point Transfer to Montichiari		
08:00 - 09:00			
09:00 - 10:00	Contest Day 2	Clarification request	Transfer to Gardone R.
10:00 - 11:00		Meeting	Visit to Vittoriale degli Italiani
11:00 - 12:00			
12:00 - 13:00			
13:00 - 14:00			Lunch
14:00 - 15:00	Lunch		Tour of Salò
15:00 - 16:00	Result and analysis mode		
16:00 - 17:00			Transfer to Sirmione
17:00 - 18:00	Transfer to Sirmione		Free Time
18:00 - 19:00	Free Time	Meeting	
19:00 - 20:00	Dinner		
20:00 - 21:00		Dinner	
21:00 - 22:00	Free Time/Activities		
22:00 - 23:00			
23:00 - 00:00			



Fun in the rain

At 9:00 am the IOI army is ready to take a break from the PCs and pass a whole day of pure fun at the nearby **theme-park Gardaland**.

As soon as we get off the buses the sky darkens and it starts pouring with rain. Everyone runs to take cover but "a little" water certainly is not going to stop the IOIers!

The weather soon starts to get better and everyone begins dashing from ride to ride.

At 5:00 pm we're all ready to go back to the Garda Village and concentrate on the last day of the competition.



PHOTO by CRISTINA SALI

Milan applauds IOI's father

It wasn't only fun this Wednesday at IOI but also an important moment for thought and study at the Assolombarda auditorium in the centre of Milan. AICA (Italian Computer Society) organised the "Young Talents and Digital Future" conference to present a scientific study undertaken by AICA and IT STAR. It focused on education systems in those countries of the world that have excelled at IOI in the past.

It was a touching, concluding moment when the president of IOI Richard Forster evoked a warm round of applause in homage to Blagovest Sendov, the creator of the competition who was present at the debate.



PHOTO by CLAUDIO TOCO



Blagovest Sendov
the creator of IOI



You are in good hands!

Hi everybody, we're the volunteers!

Volunteers are boys and girls, about 17 or 18, who come from high schools in Lombardy and Veneto; a shortlist drawn up by teachers, according to their curricula, knowledge of foreign languages and experiences abroad. The selection was really fierce: 120 volunteers were chosen from 1000 candidates!

After being approved by the Regional Committee, we came to Sirmione at the beginning of September, for training: we were told our tasks for the IOI week, and also learned something about intercultural communication (both the necessary English words, but mostly useful tips about non-verbal communication) and about the history and the significance of these Olympiads. "We are really enjoying working together, and we are now a big group of friends, having fun even in the hardest moments" says a volunteer; "we are very excited about meeting people from cultures different from ours", "we think that it will be a great melting pot" are just some of the comments.

Volunteers are divided into two groups: guides and staff. The guides are the ones who look after the delegations, especially the contestants: "we expect them to be very concentrated on the competition and really fond of informatics" said one guide. The guides' task is to help their delegations to live this week in the best way and to make them feel welcome.



"We hope that after this experience we will be more open-minded towards other cultures, and that we will get to know them better" says another guide.

The staff work behind the scenes: they provide the information needed and try to deal with the unexpected. "We are working really hard" said a staff volunteer.

Lots of activities have been organised for our guests: in their free time, contestants, leaders and visitors can play many sports, and we have also arranged some special evenings. For example, on Tuesday evening, we had an amazing concert, played by some volunteers: with three singers, guitars, drums, a violin, a harmonica, and even a set of bagpipes. The public participated enthusiastically in the evening's entertainment, clapping their hands, dancing, singing and jumping all the time.

We hope that everyone will be able to relax and have a fantastic time, because we are all doing our best to make IOI perfect!

byte



Umberto Eco

The Computer is not an intelligent machine that helps stupid people; on the contrary, it is a stupid machine that works in the hands of intelligent people.



Pasta al pomodoro e basilico

snack

Tomatoes

Basil

Onion (or garlic)

Olive oil

Pasta (spaghetti or macaroni)

Pasta with tomatoes and basil is a traditional dish, very easy to prepare but always surprising. The tomatoes are cooked with onion or garlic and oil and then passed through a sieve. Basil is added at the end.

This dish can be served with grated parmesan cheese or, in some recipes, with spicy oil.

YouTube



PHOTO by CRISTINA SALI

Mathematical operations wheel

1

At the Mathematics Fair Giulia goes to the "Operations wheel". She draws at random the number 3. Starting from this number she has to carry out once, in order, all the operations on the wheel.

Which operation should she start from and in which direction should she carry out the operations to get the number 30 as a result?



games

BY
 THE MATEMATICA SENZA FRONTIERE
 ITALIAN TEAM

Additions grid

2	7	1	3	13
3	8	7	9	27
1	9	3	8	21
6	24	11	20	

2	7	1	3	13
3	9	7	8	27
1	8	3	9	21
6	24	11	20	

The table must be completed in such a way that:

- summing the rows gives the total in the right-hand column
- summing the columns gives the totals in the bottom row.

Only whole numbers between 1 and 9 may be used, and these must appear only once in each row and each column.

Give all possible arrangements of the table.

2


twitter

social


Risultati per #ioi2012


Tweet Top / Tutto / Persone che segui


Clio Righetti @Clio_Righetti
 Everyone is on the bus. We're leaving on time guys, can you believe it? #ioi2012
 6h
 Ritwittato da IOI 2012
 Espandi


be-OI nl @beoi_nl
 Interesting (and actually also sad and worrying) #ioi2012 statistic: only 5 out of 317 registered participants are girls...
 5h
 Ritwittato da IOI 2012
 Espandi


Aleksejs Popovs @popoffka
 Seriously though, Gardaland was awesome. #ioi2012 #everythingbutthecontest
 5h
 Ritwittato da IOI 2012
 Espandi


IOI 2012 @IOI2012
 Sendov speech: education must give the children not only knowledge, but also dreams #ioi2012
 10h
 Espandi


IOI 2012 @IOI2012
 There are obstacle when you want to achieve a dream: the only way out is passion. Kalinichenko of #cambridge university speech #ioi2012
 11h
 Espandi

Game solution issue 3

Mysterious number



Password

The missing number is $2^{30} = 1\ 073\ 741\ 824$.
 In fact, 2^{30} is the square of 2^{15} , the cube of 2^{10} and $2^{30} = (2^6)^5$.
 This is the only number between 1 000 and 2 billion which is at the same time a square, a cube and the fifth power of integers.

IOI 2012 on the web

- Website - www.ioi2012.org
- Newsletter - www.ioi2012.org/newsletter
- Facebook - www.facebook.com/ioi2012Italy
- Youtube - www.youtube.com/user/ioi2012media
- Twitter - <https://twitter.com/IOI2012>; official hashtag: #ioi2012

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