EMS Education Committee

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3rd Mathematics Summer School for school students 2024

Date and Location: 22-27 July 2024, Rodon Mount Resort, Agros, Cyprus
Host organization: THALES Foundation & Cyprus Mathematical Society
www.thalescyprus.com , www.cms.org.cy

The EMS Education Committee announces the organization of its second Mathematics Summer School for talented/gifted students in mathematics. The purpose of this Summer School is to give an opportunity to high ability students to develop further knowledge and competences in post-secondary education mathematics and to support their way to mathematics careers. The exact mathematics content of the Summer School Programme will be announced in the coming weeks and will include 7-8 modules in pure and/or applied mathematics and will challenge participants with advanced level mathematics learning, mathematical projects, mathematics communication practice and mathematical debates between student participants.

The EMS Education Committee will select 14 school student participants.
Main target: Students of grade 12 or younger in school year 2023-2024 who exhibit high interest and ability in mathematics and are considering careers in mathematics.
Selection will be based on the following criteria (the Selection Committee reserves the right to extend the list, if necessary):

1. IMO medals, other awards of excellence, recommendation letter by a mathematician;
2. One page maximum personal statement and motivation letter;
3. Applicants may be invited to an online interview;
4. Approval by parents/guardian, if selected;
5. Confirmation that participant is able to cover travel expenses to and from Larnaca international airport in Cyprus.

The students will be offered free accommodation and food for 5 days at the Rodon Mount Resort Hotel. Students arriving before or after the official days will have to cover the additional accommodation expenses. The organizers are trying to establish further funding in order to support students, at least partly, with some travel expenses. When further funding is secured the organizers will inform the selected students.

Who and how applications are accepted?

- National Mathematical Societies, members of the EMS, can propose students of the target group mentioned above. In such a case the applications may be submitted by the Societies or provide a letter of selection to the students to include in their application.
- Individuals who like to apply can submit their application directly.

Deadline of application: 1 April 2024
Selection and approval by the EMS Education Committee: 15 April 2024
To apply press **HERE**
Or copy this link into a url to open:
https://forms.gle/TvPtQxqK64q2si1K9
For any inquiries through email communication write to: info@thalescyprus.com

Mathematics Summer School Preliminary Programme

22 July 2024
Arrivals, welcome dinner
23 July
09:30-10:30

- Welcome by the Chair of the EMS Education Committee
- EMS Education Committee Presentation and aims of the Summer School for school students
- Careers in mathematics
- Introduction of student participants

10:30-12:30 **Module 1** (2 hours)
12:30-13:00 Applied problem challenge
13:00-14:30 Lunch
14:30-16:00 Rest time
16:00-18:00 **Module 2** (2 hours)
18:00 Social activity
20:00 Dinner
24 July
09:00-10:30 Discussion between students on the problem challenge
10:30-11:00 Break
11:00-13:00 **Module 3** (2 hours)
13:00-14:30 Lunch
14:30-16:00 Rest time
16:00-18:00 **Module 4** including new challenge problems
18.00 -19:00 Swimming or gaming
20:00 Dinner
25 July
09:00-10:30 Discussion between students on the problem challenge
10:30-11:00 Break
11:00-13:00 **Module 5** (2 hours)
13:00-14:00 Lunch
14:30 - 19:00 Excursion
20:00 Dinner
26 July
09:00-11:00 **Module 6** (2 hours)
11:00-11:30 Break
11:30 -13:30 **Module 7** (2 hours)
13:30-14:30 Lunch

14:30 -16:00 Swimming or gaming
16:00- 18:00 Problem posting by the students, working in groups
19:00-20:00 Awards ceremony and farewell
20:00 Farewell dinner
27 July
Departures