

## **DOMO SUMMER SCHOOL**

### **International School of Mathematics and Physics**

#### **Proposal**

The school would be held in Domodossola under the organizational management of the no-profit association ARS.UNI.VCO in collaboration with the municipality of Domodossola.

The annual school would consist in a five days meeting to be held in summer, preferably in July, from Monday to Friday.

Four days would be devoted to a scientific topic, that can be in mathematics or in theoretical physics or both, and that must be centered on very recent developments and progresses. The lecturer must be chosen among the maximal expert in the worldwide scientific community. It will be the task of the scientific board to select the most relevant topics, and individuate the corresponding experts. For these reasons the scientific board must be heterogeneous enough to guarantee a complete covering of all possible topics.

The lessons will take a total of 20-24 hours, divided in 6 up to 8 courses for 3-4 hours each one, to be held in four days. In the mid of the week, one day is devoted to cultural relax, where some events are organized with the aim of allowing all the participants to enjoy the beauties, and the touristic, social and cultural potentiality of Domodossola, Val d'Ossola and VCO. This will include a social dinner for all participants to the school, organizers, and municipality members, an occasion for socializing beyond the scientific level, and to appreciate the local gastronomic specialties. At the discretion of the organizing committee, the participation to the dinner could be enlarged to local representatives, high school directors and teachers etc. The catering also could be an occasion of gastronomical culture.

The participants to the school will be expected to be PhD students, researchers and experts from the world, for a mean expected total number of about 40 students. Beyond the "standard" students, the participation to the school could be extended to interested high school teachers and worthy student (with formative credits end including a possible award).

The relax day would include a social trip and/or some organized cultural and relaxing event and the gala dinner.

Beyond this, special night events devoted to everyone: one public lecture explaining the contents and the relevance of the given school, and at least a popular lecture on a scientific topic that could be of general interest and helpful in spreading the scientific knowledge. These lectures must be given by experts, who are selected by members the scientific board, after taking into account their pedagogical skills.

Nothing to say, all the proposals advanced by the scientific board must be approved by the organizing committee before becoming executive. Both the organizing committee and the scientific board will be nominated by ARS.UNI.VCO. The lessons will take place in Domodossola at Collegio Rosmini.

The participants are expected to pay a fee to be determined, with an increase for who doesn't want to be accommodated to the Collegio, and an additional fee for the participation to the gala dinner.

For any specific school it will be also nominated a scientific committee that can be composed by part of the members of the scientific board, possibly including selected external specialists. Moreover, among the speaker, a representative special guest should be always included.