

## SCIENTIFIC BOARD

**Sergio CACCIATORI** *Coordinator*

Università degli Studi dell'Insubria

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Politecnico di Milano

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Università degli Studi di Milano

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Università Piemonte Orientale

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Humboldt-University Berlin, Germany

**Simone NOJA**

Università degli Studi di Milano

**Stefano PIGOLA**

Università degli Studi dell'Insubria

**Riccardo RE**

Università degli Studi dell'Insubria

## VENUE – PRACTICAL INFO



**MELLERIO ROSMINI College**

You can reach Domodossola by:

## CAR

Highway Directions Gravellona Toce (A26):

100 km from Milan, 200 km from Turin

## TRAIN

Domodossola is connected with the **Italian train line of Milan, Turin** ([www.trenitalia.com](http://www.trenitalia.com)) and **Brig (CH)** ([www.ffs.ch/home.html](http://www.ffs.ch/home.html))

## AIRPLANE

Milano Malpensa Airport (MXP) is located at **45' minutes trip**. Shuttle service connects **5/6 times per day** the Milano Malpensa Airport to Domodossola.

For reservation

[www.comazzibus.com/prenotazione\\_alibus.php](http://www.comazzibus.com/prenotazione_alibus.php)

## ACCOMMODATIONS

For information about possible accommodations, you can **CLICK HERE** or download a **PRACTICAL INFO SHEET**.

## ORGANIZING COMMITTEE

**Sergio CACCIATORI** *Coordinator*

Università degli Studi dell'Insubria

**Andrea COTTINI**

Secretary of ARS.UNI.VCO Association

**Giorgio MANTICA**

Member of GNFM -INDAM

## CONTACTS

**ORGANIZING SECRETARIAT**

tel. +39 0324 482 548

e-mail [domoschool@univco.it](mailto:domoschool@univco.it)

web: [www.univco.it/domoschool/Edition-2018](http://www.univco.it/domoschool/Edition-2018)

*We're looking forward to meet  
you in Domodossola!*

## ARS.UNI.VCO ASSOCIATION

*Associazione per lo Sviluppo della Cultura, degli Studi  
Universitari e della Ricerca nel Verbano Cusio Ossola*

Via Antonio Rosmini, 24 – I-28845

Domodossola (Verbania – Piedmont – Italy)

C.F.: 92011990030 – P.IVA: 01896750039



## DOMOSCHOOL

*International Alpine School of  
Mathematics and Physics - I Edition*

**from 16 to 20 July 2018**

**DOMODOSSOLA (PIEDMONT - ITALY),**

**Einstein Equations:**

**Physical and Mathematical Aspects  
of General Relativity**

The **Theory of General Relativity** is still inspiring incredibly deep investigations and guiding to breakthrough discoveries both in the mathematical and in the physical setting.

The aim of the school is to provide a common ground to PhD students and young researchers in physics and mathematics to meet and learn different viewpoints on various aspects of Einstein equations.

## SPEAKERS

### Alessandro CARLOTTO

ETH Zürich - Switzerland

Asymptotically flat spaces: shadows of rigidity and flexibility phenomena.

### Giancarlo CELLA

INFN sez. Pisa - Virgo Collaboration

The physics of Ligo-Virgo

### Piotr CHRUSCIEL

Universität Wien - Austria

Introduction to the general relativistic constraint equations

### Felix FINSTER

Universität Regensburg - Germany

Linear stability of black holes

### Alexander KAMENSHCHIK

Università di Bologna - Italy

The Bianchi classification of the three-dimensional Lie algebras and homogeneous cosmologies and the mixmaster universe

### Eric POISSON

Univ of Guelph & Perimeter Institute for Theoretical Physics - Canada

Black-hole perturbation theory, with a connection to gravitational waves

## TALKS

We have a limited number of slots for **20-minute talks reserved to students and young researchers**. Title and abstracts should be sent to [domoschool@univco.it](mailto:domoschool@univco.it) for consideration by the [Scientific Committee](#).

**APPLICATIONS FOR SHORT TALKS ARE OPEN UNTIL 8<sup>th</sup> june.**

## PROGRAMME

Daily lessons from 9:30 to 18:30 on the following days: **MONDAY 16, TUESDAY 17, THURSDAY 19, FRIDAY 20 JULY**, including coffee break and lunch break for a total of a **20 hours lesson**. Registrations will start at 8.30 on 16 July at Collegio Rosmini of Domodossola

## PARTICIPATION

Anyone with a scientific background or interest in the topics of the school is warmly invited to participate.

Due to the capacity of the classroom, **attendance will be limited to a maximum of 50 participants**. In the event of an excessive number of requests, priority will be granted to the first 50 applications received.



Photo Marco Benedetto Cerini

## REGISTRATION FEE

**SUMMER SCHOOL: Euros 110,00**

The registration fee includes lunches and coffee breaks in the lecture days, and it *partially covers the costs of meals*.

**REGISTRATIONS OPEN until 18<sup>TH</sup> June '18.**

The registration fee can be paid **CASH** at the venue or by **BANK TRANSFER(\*)**. Please indicate the method of payment in the **registration form** and send it to [domoschool@univco.it](mailto:domoschool@univco.it). For late-registrations please send an e-mail directly to [domoschool@univco.it](mailto:domoschool@univco.it). In case it would be possible, we will be happy to welcome you.

**CLICK HERE FOR REGISTRATION FORM**

## EXTRA ACTIVITIES

**Wednesday 18th july - FREE DAY:**

- **GUIDED TOUR: Euros 35,00 - OPTIONAL** - The fee includes shuttle, tourist guide, lunch with local products.
- **GALA DINNER: Euros 40,00 - OPTIONAL**. Typical local dishes.

**Registration for the extra activities will be anyway made available directly at the secretariat venue in Domodossola.**

## FELLOWSHIPS

Students who are not funded by their institutions may apply for financial support in the form of **ACCOMMODATION**.

If you wish to apply for a support grant, **please email your application** to the address [domoschool@univco.it](mailto:domoschool@univco.it) justifying your request and attaching a curriculum vitae and a reference letter.

Accommodation for the students will be at Mellerio Rosmini College of Domodossola, and it will include **n. 6 free overnights from 15<sup>th</sup> July to 20<sup>th</sup> July 2018**.

## DEADLINES

- **Deadline to apply for financial support: June 8<sup>th</sup>, 2018**
- **Notification of the outcome of the application: June 25<sup>th</sup>, 2018**

The list of candidates admitted to the benefit of free hospitality will be drawn up by the [Scientific Committee](#).

(\*) the bank details to which the registration fee is to be made, are indicated on the registration form