

Mostly Maximum Principle

4th edition
Home
From 30th May to 3rd June 2022

The scope of this meeting is to gather researchers interested in the study of elliptic and parabolic equations via the Maximum Principle.

This conference will be in spirit a sequel to the conferences *Positivity: a key to fully - nonlinear equations* (Vietri 2010), *Mostly Maximum Principle* (Roma 2012, Agropoli 2015 and Banff 2017). This edition will be held at **the Palazzone** (Cortona, Italy).

This series has started as a relatively small gathering of high level mathematicians working in areas related with the maximum principle, and has expanded in themes and number of participants, but without diminishing the level of the mathematicians involved and without losing the original spirit.

The maximum principle arises in so many instances and problems that we cannot hope to cover them all. During the Conference, we will mainly focus on the following aspects:

Comparison principle and spectral properties

Hamilton-Jacobi equations

Liouville type results

Minimal surfaces

Parabolic equations: asymptotic analysis, traveling fronts

Qualitative properties such as symmetry, lack of symmetry, overdetermined problems

Regularity of solutions for fully nonlinear operators be they elliptic, degenerate elliptic, local or non local

Information

Rules to access to the Palazzone: due to the pandemic situation, a **Covid-19 vaccination certificate** or a **recovery certificate** is required to access to Palazzone (the so called **Green Pass rafforzato** is needed). **Surgical or FFP2 masks** are mandatory (DL n. 24, 24/3/2022).

Please fill out the registration form below or contact the organizers if you would like to attend: you will not be allowed into the Palazzone if your name is not on the list of participants.

Confirmed speakers

Matthieu Alfaro

Olivier Ley

Jean-Michel Roquejoffre

Martino Bardi

Paola Mannucci

Julio D. Rossi

Henri Berestycki

Luciano Mari

Luca Rossi

Xavier Cabré

Diego Moreira

Itai Shafrir

Italo Capuzzo Dolcetta

Filomena Pacella

Pieralberto Sicbaldi

Daniele Cassani

Kevin Payne

Boyan Sirakov

Francesca Da Lio

Yehuda Pinchover

Yannick Sire

Serena Dipierro (online)
Lawrence C. Evans
Fausto Ferrari
François Hamel

Sergio Polidoro
Alessio Porretta
Alexander Quaas
Abdelaziz Rhandi
Andrei Rodríguez-
Paredes

Philippe Souplet
Andrzej Świąch (online)
Erwin Topp
Cristina Trombetti

Schedule

Click [here](#) to download the list of abstracts.

Click on the speakers to download their talk.

Join the Conference by remote using this link: [Mostly Maximum Principle 2022 - Zoom](#) , ID : 810 1509 5987

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
09:30			Cabré	Dipierro*	Roquejoffre
10:00		Capuzzo Dolcetta	Rhandi	Hamel	Rodríguez- Paredes
10:30		Moreira	Sicbaldi	L. Rossi	Cassani
11:00	Coffee break				
11:30		Sirakov	Polidoro	Quaas	Porretta
12:00	Berestycki	Alfaro	Trombetti	J. Rossi	Pacella
12:30	Pinchover	Payne	Tribute to Louis Nirenberg	Evans	
13:00	Lunch				
15:00	Bardi	Da Lio		Shafrir	
15:30	Mannucci	Ley		Topp	
16:00	Coffee break	Coffee break		Coffee break	
16:30	Sire	Souplet		Mari	
17:00	Ferrari	Świąch*			

*Online talk

Registration

Registration is free but mandatory. Please follow the link below to complete the [registration form](#) before May 25.

Venue

Reaching Cortona

By train and buses

We recommend the railway station **Camucia-Cortona** (3 km to Cortona) for

By flight

The closest airport is Florence, but for inter-continental flights is Rome. Another option is Pisa. From there, continue by train.

train travel from Florence. Please note that in the Camucia-Cortona station one can only buy kilometer tickets from a machine.

We recommend the railway station **Terontola-Cortona** (9 km to Cortona) for train travel from Rome.

Camucia-Cortona and Terontola-Cortona railway stations are connected by hourly **buses to the Piazza Mercato**, just outside Cortona's walls. For the schedule see [here](#).

Bus tickets cannot be bought on the buses themselves.

Taxis can be hired from the railway stations of Camucia and Terontola, or in the centre of Cortona in Piazza della Repubblica.

Accommodation

Hotel Le Contesse (ex Hotel Oasi Neumann)

Monastero della SS. Trinità (Monache Cistercensi)

B&Bs

We suggest to look for **accommodations near the center**, see for instance [here](#).

Reaching the Conference

The Palazzone is located outside the massive ancient town walls of Cortona, and can be reached by walking away from the center of Cortona (about 1,5 Km).

Visiting Cortona

The center

The itinerary will take you through the many palaces, churches and monuments that are to be found in this ancient walled town. Here it is a possible [itinerary](#).

Museo Diocesano

You can visit the [Museo Diocesano](#), where the [Annunciation](#) and the [Triptych](#) by Beato Angelico, the [Lamentation over the Dead Christ](#) by Signorelli, [The Lady of the Assumption Gives St Thomas Her Belt](#) by Bartolomeo della Gatta are exposed. Information are in English language [here](#).

Lake Trasimeno

The [lake Trasimeno](#) is pretty close to Cortona (about 15 minutes by car, and 30 minutes by bus). For more information follow this [link](#).

And even more

More can be found at [this webpage](#).

Organizing committee

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Sponsor



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