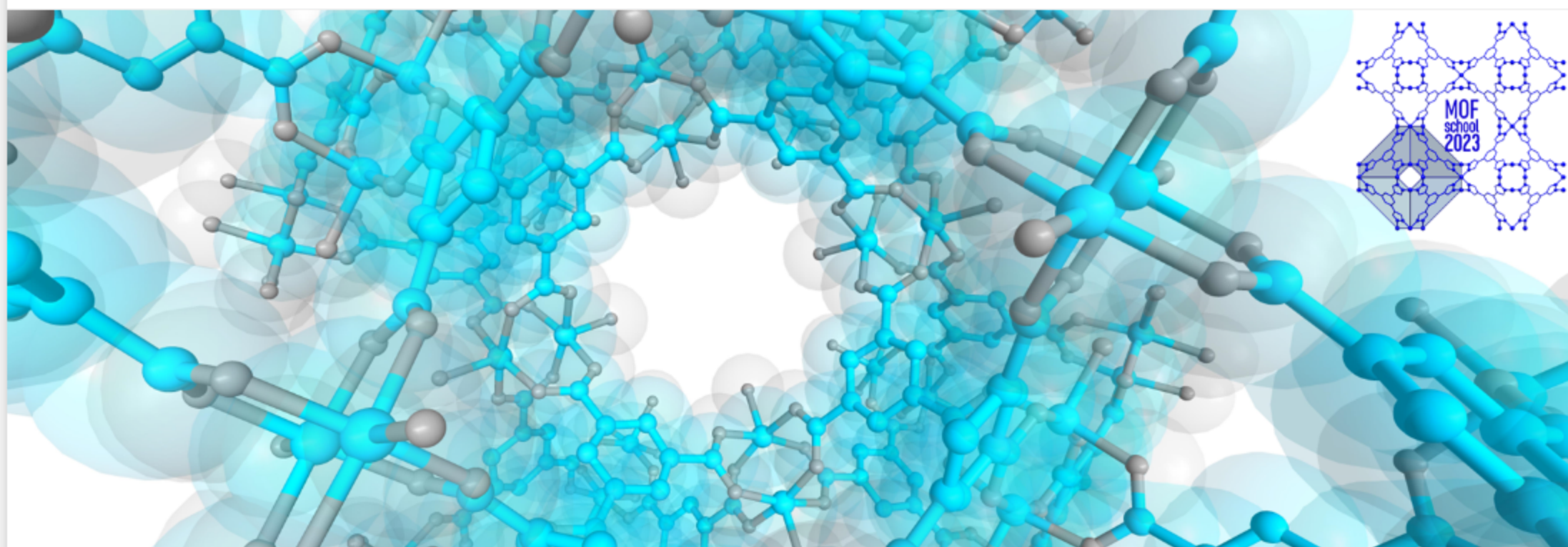


# 3rd International School on Porous Materials: MOFschool2023

Lake Como School of Advanced Studies, 19-23 June 2023

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## Home

**It is a great pleasure for us to welcome you to the  
Third International School on Porous Materials (MOFschool2023)**

**Metal-organic Frameworks (MOFs)** and **Covalent Organic Frameworks (COFs)** are advanced porous materials deriving from the self-assembly of (organic/inorganic and organic/organic) building units. In the past twenty years, the vast library of building units and synthetic conditions has enabled the preparation and consequent investigation of a huge number of MOFs and COFs showing fascinating functional properties – from adsorption to separation, heterogeneous catalysis, sensing, and drug delivery, to list a few – and outperforming, in many aspects, classical porous materials.

In a number of occasions, the functional properties and potential applications of MOFs and COFs have prompted their appearance on the market or their testing in technologically relevant devices. Despite this, the field is advancing at a very fast pace and there still exists a large playground for isolating novel materials and/or improving the properties of existing ones.

**MOFschool2023** aims to introduce the attendees into this vast and interdisciplinary research field: starting from MOFs and COFs advanced synthetic methods, the School will propose representative examples of up-to-date characterization techniques and cutting-edge applications, up to implementation into devices. To the aim, MOFschool2023 lecturers' panel can count on a number of internationally recognized scientists, including Thomas Bennett, Silvia Bordiga, Elisa Bofecchia, Valentina Colombo, Roland Fischer, Laura Gagliardi, Felipe Gándara, Jeffrey R. Long, Daniel Maspoch, Jorge A.R. Navarro, Davide M. Proserpio, Joachim Sauer, Omar M. Yaghi and others to be announced.

After the success of the International School on Porous Materials in its first edition (in person, MOFschool2019) and second edition (in remote, MOFschool2021), **MOFschool2023** will be organized as an in person and remote mixed event.

**MOFschool2023**, jointly organized by the Universities of Insubria, Milano La Statale and Granada, has made a great effort to encourage the participation of young, enthusiastic scientists from all over the world, for which we are gratefully indebted to our generous funders.

**We are looking forward to welcoming you, possibly to Villa del Grumello  
and we are convinced you will spend a very fruitful time during the School!**

Sincerely yours,

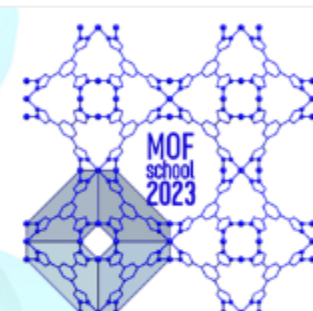
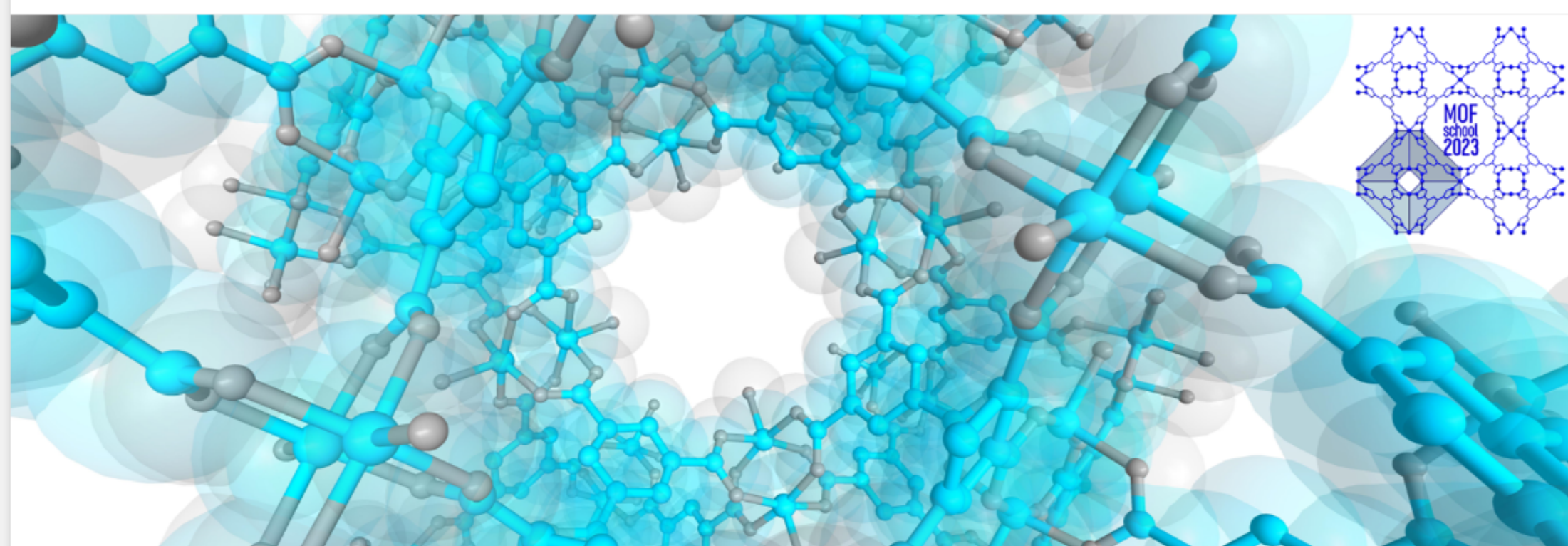
Valentina Colombo, Simona Galli and Jorge A.R. Navarro (School Directors)

[Download the flyer \(pdf\) of MOFschool2023.](#)

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## Application

**Applications are still open for in-remote participation only.**

**MOFschool2023** is open to undergraduate, graduate or Ph.D. students as well as post-doctoral fellows.

**MIXED EVENT!** The venue will be open to a maximum of 48 Scholars, while a maximum of 100 Scholars will be hosted in remote. At the time of the application, applicants must declare if they would like to attend in presence or remotely. If the number of applicants asking for in-presence attendance will be higher than 48, the School Directors will make a selection based on the coherence with the aim and scope of **MOFschool2023**, and on the diversification of nationalities and the balance of gender. Students asking for on site participation, but desiring to participate also in remote if not selected for the on site participation, must declare it in the application letter (see below).

**HOW TO APPLY:** Applicants must fill out and submit the form available below and upload a one-page document concisely describing their educational background, present position, research interests, and motivations for participating in **MOFschool2023**. Instructions on how to draft the motivation letter are available [here](#).

**Bursaries** are available to support Scholars' participation in the form of (partial) covering of registration fee, accommodation and/or travel expenses. Bursaries have been provided by:

- ASSOCIAZIONE ITALIANA DI CRISTALLOGRAFIA
- NATIONAL INTERUNIVERSITY CONSORTIUM OF MATERIALS SCIENCE AND TECHNOLOGY
- EUROPEAN CRYSTALLOGRAPHIC ASSOCIATION

### REGISTRATION FEES:

Based on the different type of participation, two registration fees have been established:

- **In-presence fee:** 300 € (VAT 22% included), including lectures, course material, Wi-Fi connection at the venue, welcome party, lunches, coffee breaks.
- **In-remote fee:** 100 € (VAT 22% included), including lectures and course material.

Scholars have to pay the registration fee only AFTER the final acceptance of their application.

### IMPORTANT DATES:

**Application closure for on site participation: April, 10<sup>th</sup> 2023**

**Notification of acceptance of applications arrived by April, 10<sup>th</sup> 2023: April, 28<sup>th</sup> 2023**

**Deadline for fee payment for participants accepted by April, 25<sup>th</sup> 2023: May, 15<sup>th</sup> 2023**

### POSTER SESSION:

Young Scholars willing to present a poster should declare it in the application form and provide an abstract according to the [template](#).

The school will organize two poster sessions: one in presence at the Villa del Grumello, and a second one in remote, via Twitter. More information about poster dimensions and virtual poster session rules will be released soon on this webpage.

### FLASH-PRESENTATION SESSION:

Young Scholars willing to give a flash presentation should declare it in the application form and provide an abstract according to the [template](#). Only in-presence Scholars will be considered for flash presentations. In case of a large number of flash-presentation proposals, the School Directors will make a selection based on the potential interest to the audience, the coherence with the aim and scope of **MOFschool2023**, and the diversification of topics.

Name

Surname

Institution

Street

Postal code

Town

Country

Phone

Email

Dietary requirements

### Motivation letter [pdf, max 1MB]

Nessun file scelto

### POSTER AND SHORT TALK

- ☐ I intend to present a poster.  
☐ I do not intend to present a poster.

### Abstract [doc - docx, max 1MB]

Nessun file scelto

Title of the abstract

Keywords (up to three)

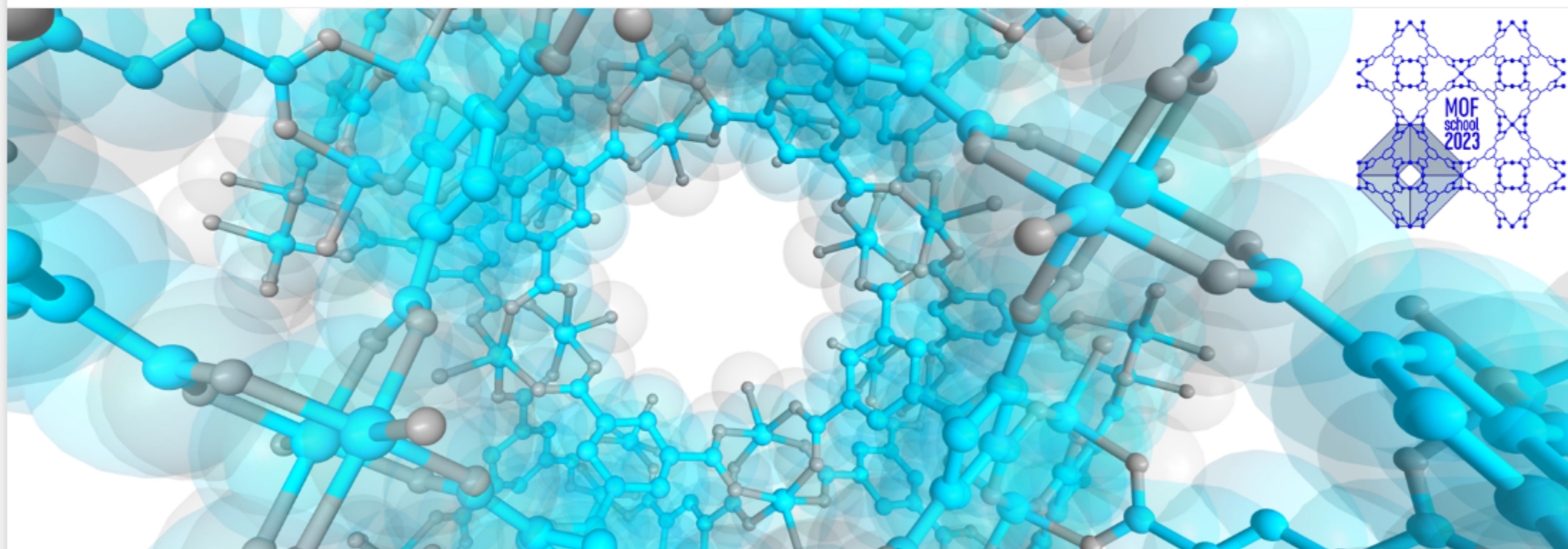
☐ By submitting this registration form you authorise Fondazione Alessandro Volta to include your personal data on its mailing list for the distribution of information material. We will never share your personal data with any third party. According to the General Data Protection Regulation 2016/679, you may have access to these details at any time and request their modification and cancellation sending an email to: [info@lakecomoschool.org](mailto:info@lakecomoschool.org)



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## Poster and Flash Presentations

**Prizes are available from Chemical Communication, the Royal Society of Chemistry, for the best flash presentation and the best poster presentation!!**

### INSTRUCTIONS FOR FLASH PRESENTATIONS

Each flash presentation will last 10 minutes (*i.e.* 7 minutes for the presentation and 3 minutes to allow questions from the audience). A PC will be available in the lecture room with the MS Windows operating system. To avoid delays during the two slots dedicated to the flash presentations, we strongly encourage not to use personal laptops – we hope this will not cause inconveniences (you will have time to charge and check your presentation in the previous days, during the breaks). The presentation should be prepared in MS PowerPoint or PDF format and stored on a USB stick.

### INSTRUCTIONS FOR ON-SITE POSTERS

On-site posters could have a maximum height of 180 cm and a maximum width of 90 cm.

### INSTRUCTIONS FOR IN-REMOTE POSTERS

#### How to participate:

- Create a **personal Twitter account**.
- Set your **Twitter profile to public** for the duration of the poster session, to enable the other attendants to see it, share your work and comment it.
- Only **tweet your poster once** and from your personal Twitter account during the scheduled session.
- **Tweet** your poster with a title, the hashtags **#MOFschoo2023** and **#MOFschoo2023-Poster** and any relevant subject hashtag(s) during the poster sessions (details on date and time will follow).
- Ensure that your poster is available for the whole poster session.
- Do not delete nor repost your poster during the poster session.
- **Discuss** and **engage** throughout the poster session; make sure to answer the questions from the community, and comment on other **posters**.
- Block and report spurious comments on your poster.

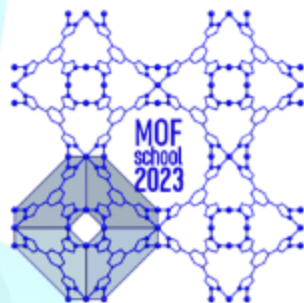
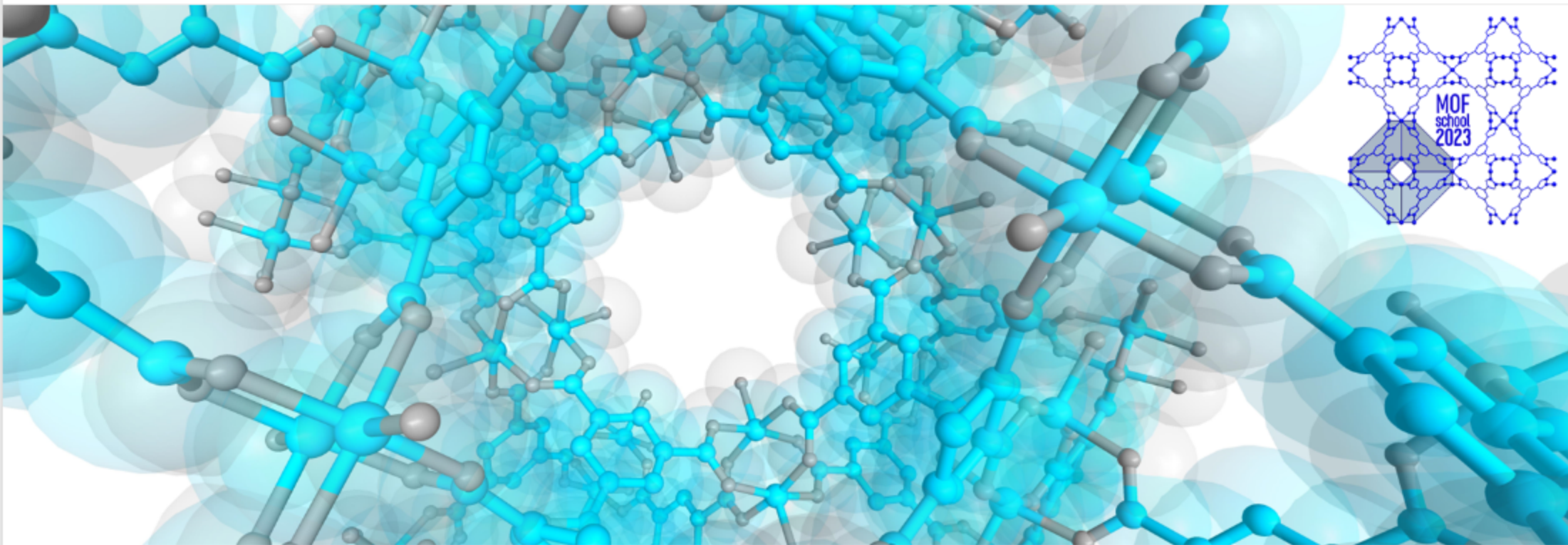
#### Poster design guidelines:

- Upload your poster as an image. JPEG, PNG and GIF formats are compatible with Twitter. Maximum size 5 MB.
- Make an image specifically for this event. Recommended image dimensions are of 2:1 aspect ratio for landscape, but you can use standard poster dimensions (A4, A0) as long as the content is legible (suggested font size 16 for A4 and 60 for A0). We recommend testing your poster on Twitter before the conference to make sure you are happy with your image. Check out this blog post for some top tips for making posters with Twitter: <http://betterposters.blogspot.com/2019/02/top-tips-for-twitter-posters.html>.
- Check some other guidelines on using [Twitter](#) or on how to improve your poster [here](#).
- Please be mindful of appropriate permissions while presenting copyright images.

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## Timetable and Program

[Download the book of abstract here](#)

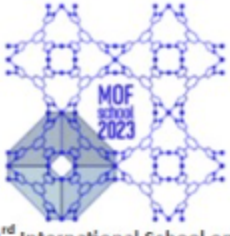
[Download the pdf version of the timetable here](#)

[Download the pdf version of the daily program here](#)

[Download the flash presentations schedule here](#)

[Download the in-presence poster schedule here](#)

[Download the in-remote poster schedule here](#)

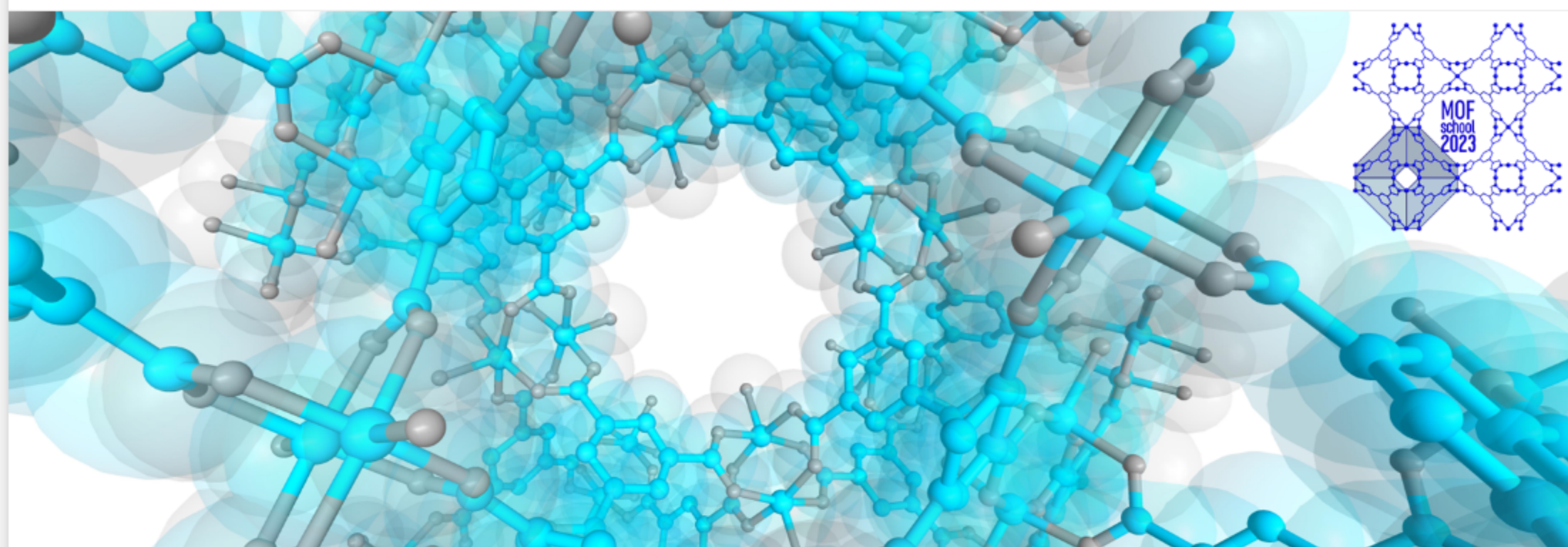
MONDAY 19 <sup>th</sup>	TUESDAY 20 <sup>th</sup>	WEDNESDAY 21 <sup>st</sup>	THURSDAY 22 <sup>nd</sup>	FRIDAY 23 <sup>rd</sup>
 3 <sup>rd</sup> International School on Porous Materials Como, Villa del Grumello	Laura Gagliardi 9.00-10.30	Felipe Gándara 9.00-10.30	Roland A. Fischer 9.00-10.30	Jeffrey R. Long 9.00-10.30
	Coffee break	Coffee break	Coffee break	Coffee break
	Joachim Sauer 11.00-12.30	Shuhei Furukawa 11.00-12.30	Shuhei Furukawa 11.00-12.30	Jeffrey R. Long 11.00-12.30
	Lunch/Poster session 1 12.30-14.00	Sponsor presentations	Flash presentations	Prizes and closing
Registration 13.00-15.00		Lunch/Poster session 2 13.00-14.30	Lunch/Poster session 3 13.00-14.30	Lunch 13.00-14.30
Introduction to the School	Daniel MasPOCH 14.00-15.30	Sponsor presentations	Roland A. Fischer 14.30-15.30	
Omar M. Yaghi 15.30-17.00	Coffee break	D. Proserpio* 14.45-16.00	Coffee break	
Omar M. Yaghi 17.00-18.30	Jorge A.R. Navarro 16.00-17.30	V. Colombo* 14.45-16.00		
Aperitivo 18.30-20.30	Carlos Martí Gastaldo 17.30-19.00	Coffee break	Silvia Bordiga, Elisa Borfecchia, Sergio Rojas Buzo 16.00-18.30	
Omar M. Yaghi 20.30-21.30		D. Proserpio, P. Zolotarev TOPOS Hands-on* 16.30-19.00	Flash presentations	
		T. Grell, M. Vandone, R. Vismara PXRD Hands-on* 16.30-19.00	Social dinner	
		*Parallel sessions		



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## Lecturers



### Thomas Bennett

Department of Materials Science & Metallurgy  
University of Cambridge, Cambridge, United Kingdom



### Silvia Bordiga

Department of Chemistry  
University of Turin, Turin, Italy



### Elisa Borfecchia

Department of Chemistry  
University of Turin, Turin, Italy



### Valentina Colombo

Department of Chemistry  
University of Milan, Milan, Italy



### Roland A. Fisher

Department of Chemistry  
Technical University of Munich, Munich, Germany



### Shuhei Furukawa

Institute for Integrated Cell-Material Sciences  
Kyoto University, Kyoto, Japan



### Laura Gagliardi

Department of Chemistry  
The University of Chicago, Chicago, United States of America



### Felipe Gándara

Materials Science Institute  
CSIC, Madrid, Spain



### Jeffrey R. Long

Berkely College of Chemistry  
University of California, Berkeley, United States of America



### Carlos Marti Gastaldo

University of Valencia  
Valencia, Spain



### Daniel Maspoch

Catalan Institute of Nanoscience and Nanotechnology  
Bellaterra, Spain



### Jorge A.R. Navarro

Department of Inorganic Chemistry  
University of Granada, Granada, Spain



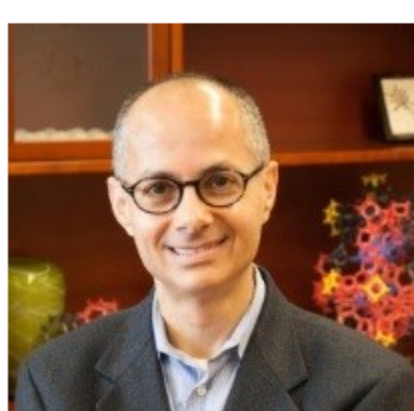
### Davide M. Proserpio

Department of Chemistry  
University of Milan, Milan, Italy



### Joachim Sauer

Department of Chemistry  
Humboldt University, Berlin, Germany



### Omar M. Yaghi

Department of Chemistry  
University of California, Berkeley, United States of America

## TEACHER ASSISTANTS

- **Sergio Rojas Buzo**(Department of Chemistry, University of Turin, Turin, Italy)
- **Toni Grell** (Department of Chemistry, University of Milan, Milan, Italy)
- **Marco Vandone**(Department of Chemistry, University of Milan, Milan, Italy)
- **Rebecca Vismara**(Department of Inorganic Chemistry, University of Granada, Granada, Spain)
- **Pavel Zolotarev**(Department of Chemistry, University of Milan, Milan, Italy)





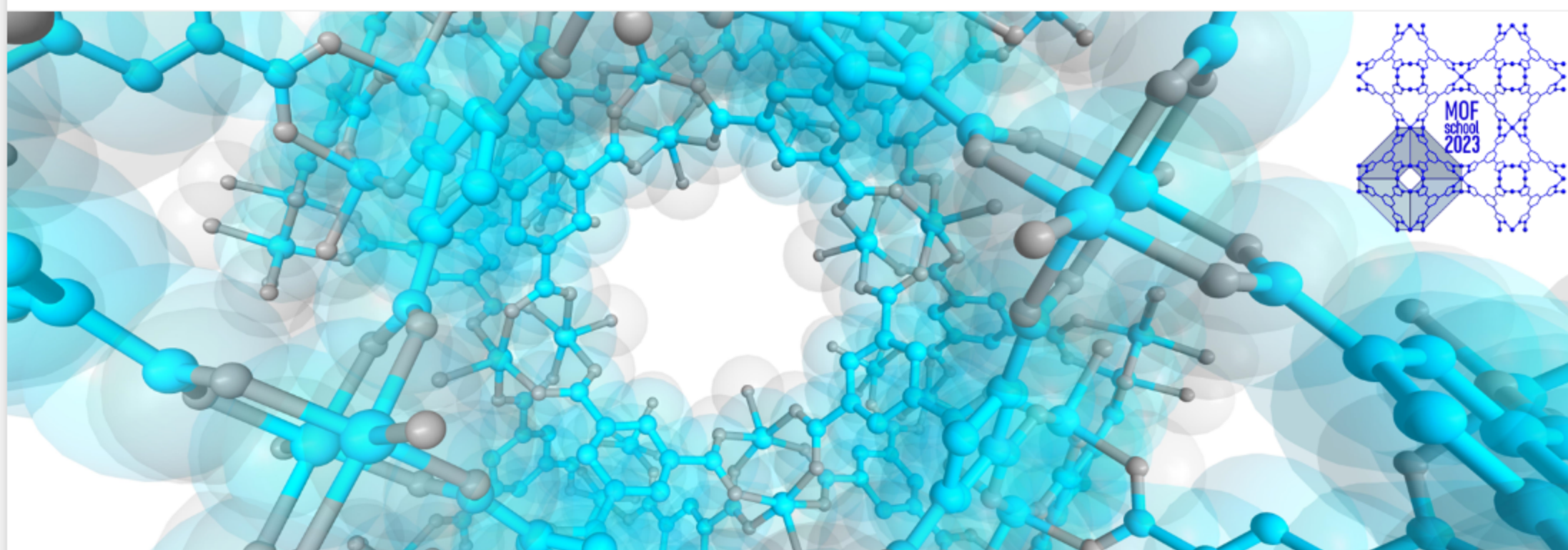
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## Scientific and Organizing Committee



**Valentina Colombo**

Department of Chemistry  
University of Milan (Italy)

valentina.colombo@unimi.it



**Simona Galli**

Department of Science and High Technology  
University of Insubria (Italy)

simona.galli@uninsubria.it



**Jorge A.R. Navarro**

Department of Inorganic Chemistry  
University of Granada (Spain)

jarn@ugr.es

## COLLABORATORS

- **Michele Forza** (Department of Chemistry, University of Milan, Milan, Italy)
- **Toni Grell** (Department of Chemistry, University of Milan, Milan, Italy)
- **Ester Mazzola** (Department of Chemistry, University of Milan, Milan, Italy)
- **Giulia Taini** (Department of Chemistry, University of Milan, Milan, Italy)
- **Marco Vandone** (Department of Chemistry, University of Milan, Milan, Italy)
- **Anna Mauri** (Department of Science and High Technology, University of Insubria, Como, Italy)
- **Marco Moroni** (on leave from Department of Science and High Technology, University of Insubria, Como, Italy)
- **Luca Scheggia** (Department of Science and High Technology, University of Insubria, Como, Italy)
- **Emilio Borrego Marín** (Department of Inorganic Chemistry, University of Granada, Granada, Spain)
- **Francisco J. Carmona Fernández** (Department of Inorganic Chemistry, University of Granada, Granada, Spain)
- **Pedro Jesús Jabalera Ortiz** (Department of Inorganic Chemistry, University of Granada, Granada, Spain)
- **Javier David Martín Romera** (Department of Inorganic Chemistry, University of Granada, Granada, Spain)
- **Cristina Perona Bermejo** (Department of Inorganic Chemistry, University of Granada, Granada, Spain)
- **Rebecca Vismara** (Department of Inorganic Chemistry, University of Granada, Granada, Spain)



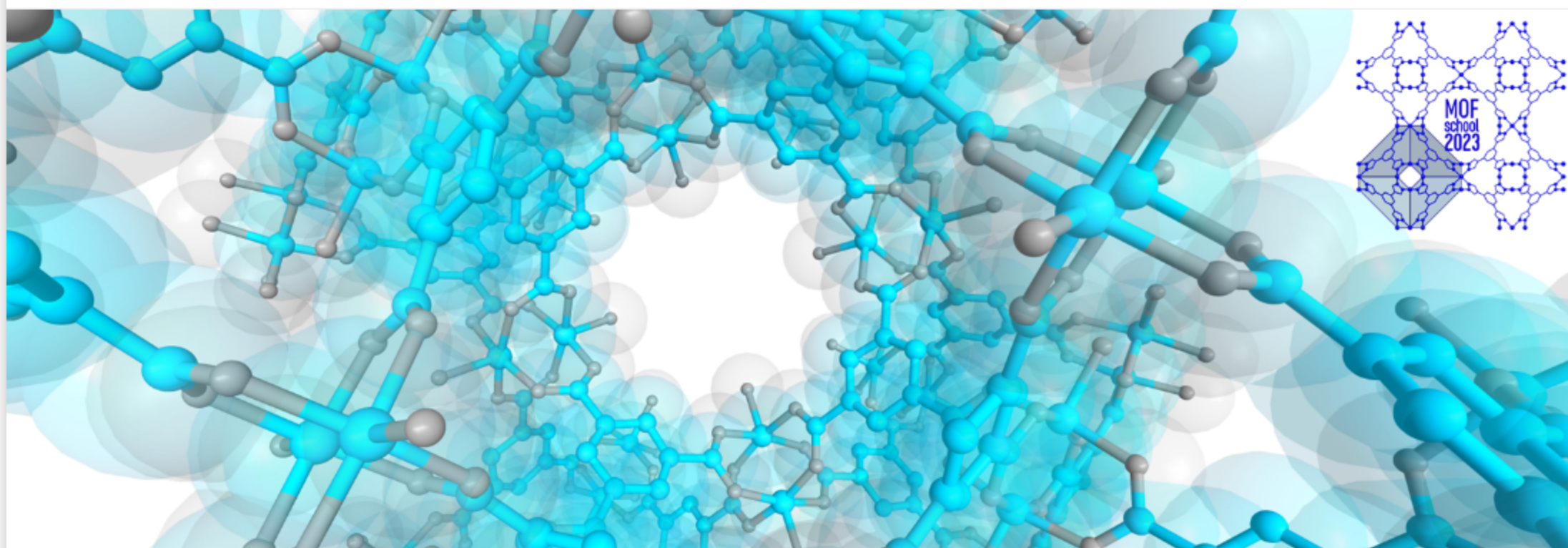


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## Contacts

For enquiries about the **scientific aspects of the School**, please contact:

**Valentina Colombo** ([valentina.colombo@unimi.it](mailto:valentina.colombo@unimi.it))

**Simona Galli** ([simona.galli@uninsubria.it](mailto:simona.galli@uninsubria.it))

**Jorge A.R. Navarro** ([jarn@ugr.es](mailto:jarn@ugr.es))

For enquiries about the **organizational aspects of the School** (**venue, travel, accommodation and application** procedure), please contact:

**Alessandra Cazzaniga** ([alessandra.cazzaniga@fondazionealessandrovolta.it](mailto:alessandra.cazzaniga@fondazionealessandrovolta.it))

at Fondazione Alessandro Volta, Como.

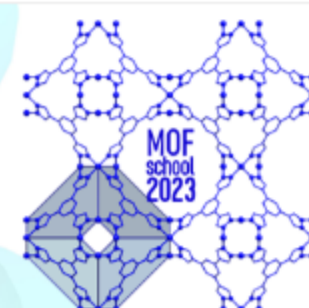
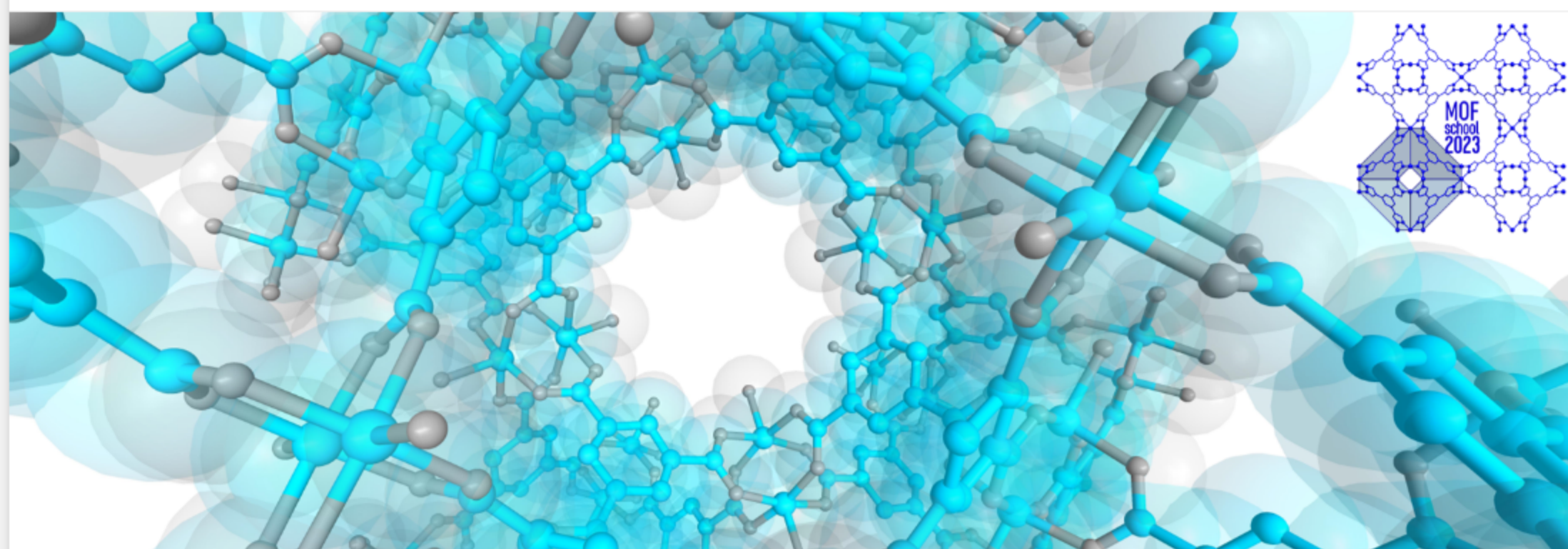


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- UNIVERSITÀ DEGLI STUDI DELL'INSUBRIA
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- LAKE COMO SCHOOL OF ADVANCED STUDIES
- FONDAZIONE ALESSANDRO VOLTA

- CONSORZIO INTERUNIVERSITARIO NAZIONALE PER LA SCIENZA E TECNOLOGIA DEI MATERIALI
- ASSOCIAZIONE ITALIANA DI CRISTALLOGRAFIA
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- CRYSTAL IMPACT

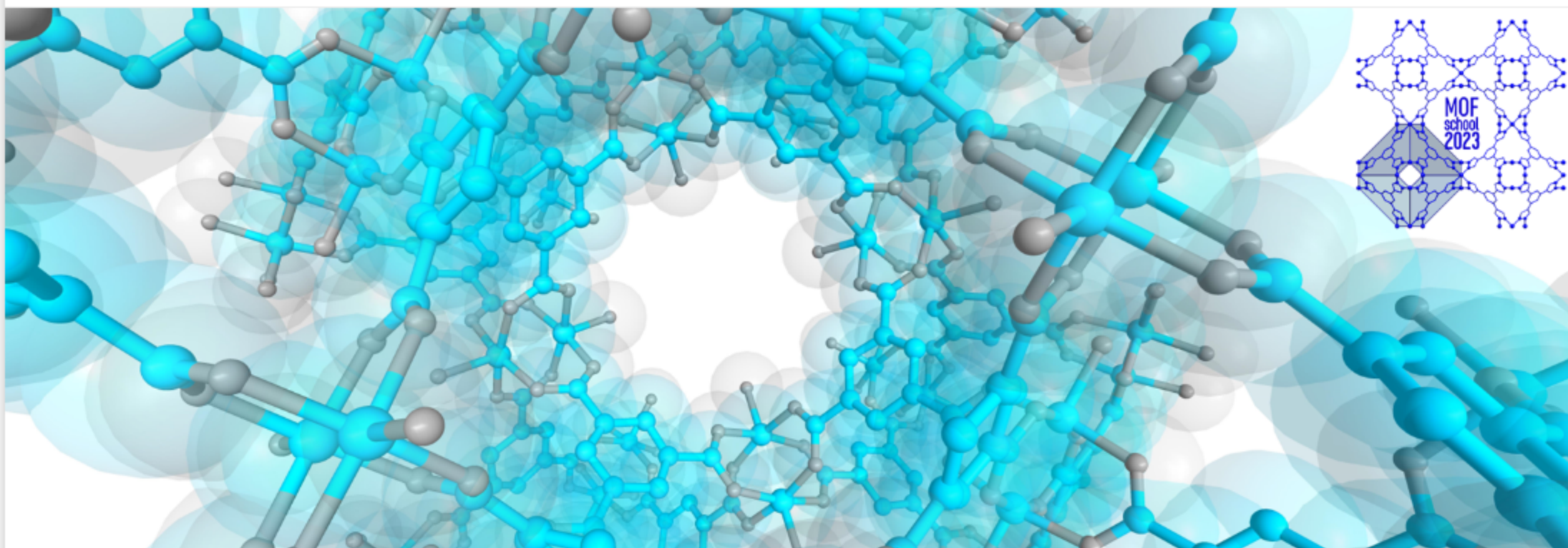


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## Protetto: Registration

Il contenuto è protetto da password. Per visualizzarlo inserisci di seguito la password:

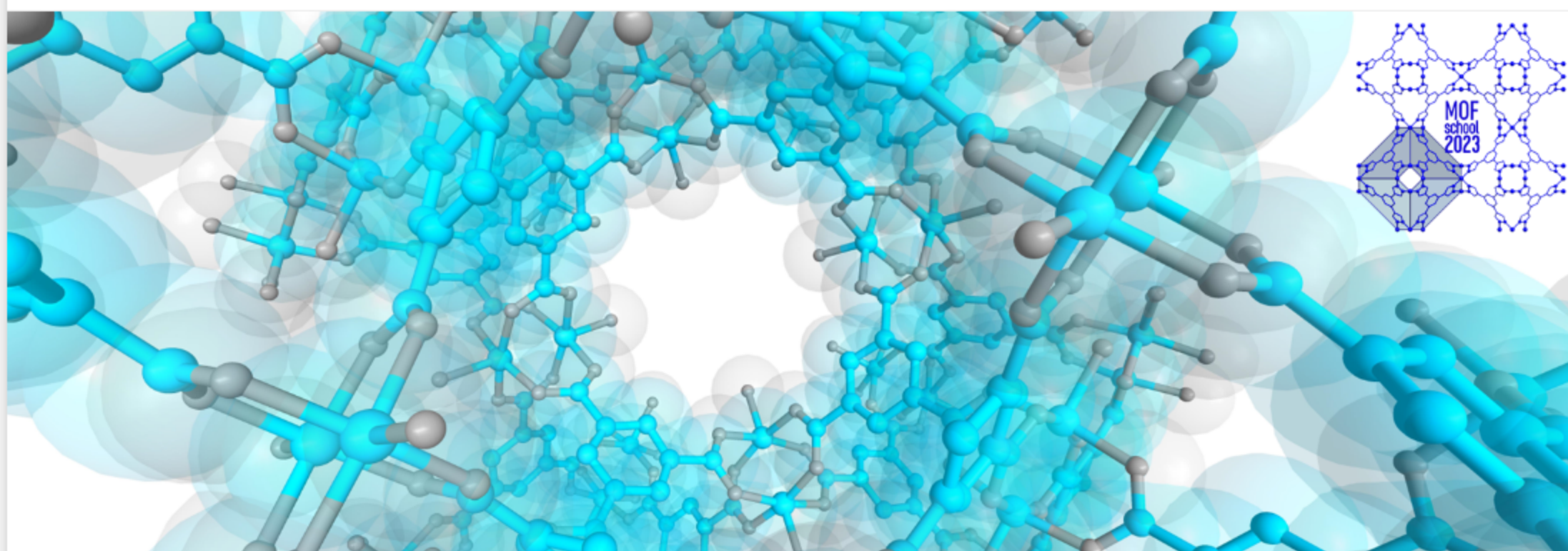
Password:

Invio

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## Venue and Accommodation

### VENUE

The School will be held in the beautiful [Villa del Grumello](#), via per Cernobbio, 11 – Como, Italy, located within a park over the lake of Como. Villa del Grumello is 20 minutes on foot from Como city centre. Detailed information on how to get to the Villa can be found [here](#).

### ACCOMMODATION

#### ▪ Guesthouse of Villa del Grumello

All rooms available at the guesthouse of the Villa will be reserved for students who have been granted a bursary. They will be contacted directly by the School Directors.

#### ▪ Ostello Bello

The youth hostel [Ostello Bello](#) offers a low-price accommodation, from 43 Euros *per* night and person in shared dorms. The hostel is 15 minutes on foot from Villa del Grumello. Ostello Bello is a quite convenient solution for the students participating in schools organized at Villa del Grumello, however, the city of Como is highly demanded from tourists during the summertime and we suggest to book this accommodation in advance. Please contact the hostel directly @ [booking.como@ostellobello.com](mailto:booking.como@ostellobello.com) indicating the code "VOLTA" to benefit from a discounted rate.

#### ▪ Hotels

A non-exhaustive list of three-star hotels is provided here:

Hotel	Address	Phone
<a href="#">Engadina</a>	Viale Rosselli 22, Como	+39 031 570008
<a href="#">Firenze</a>	P.zza Volta 16, Como	+39 031 300333
<a href="#">Park</a>	Viale Rosselli 20, Como	+39 031 572615
<a href="#">Plinius</a>	Via Garibaldi 33, Como	+39 031 273067
<a href="#">Tre Re</a>	Piazza Boldoni 20, Como	+39 031 265374

A map highlighting hotels in Como and surroundings can be found [here](#).

### IMPORTANT NOTICE FOR ALL SCHOOL ATTENDEES!

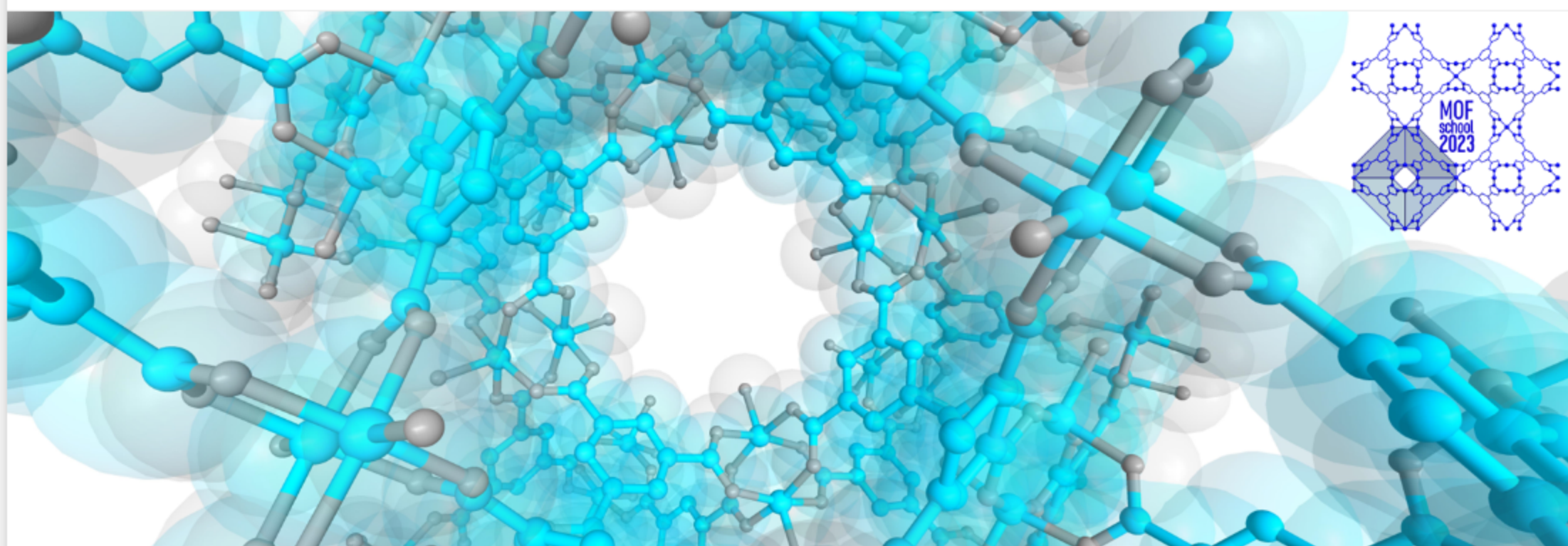
Please note that third part companies may contact School Lecturers and Scholars offering to make travel arrangements (hotel and flight bookings) on our behalf and asking for credit card details to proceed. These agencies are NOT authorized by us – this is most likely a fraud.

For any doubt in this respect do not hesitate to contact us.

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## Group photo

Foto # 01



Foto # 02

