



# Math/Chem/Comp 2022

## 33<sup>rd</sup> MC<sup>2</sup> Conference

**Inter University Centre Dubrovnik (IUC), Croatia, 6 – 10 June 2022**

### 2<sup>nd</sup> Announcement

The 33<sup>rd</sup> International Course and Conference on the Interfaces among Mathematics, Chemistry and Computer Sciences: Mathematics, Chemistry, Computing (Math/Chem/Comp, MC<sup>2</sup>-33), organized under the joint auspices of the Inter-University Centre, Dubrovnik, Croatia, Croatian Chemical Society, and the University of Zagreb (Department of Chemistry, Faculty of Science), will be held on **June 6–10, 2022 in Dubrovnik (Croatia)**.

**Director:** Hrvoj Vančik, Professor of Chemistry, University of Zagreb, Croatia

**Co-director:** Jerzy Ciosłowski, Professor of Physics, University of Szczecin, Poland

#### SCIENTIFIC AND ORGANIZING COMMITTEE

Ana Amić (Josip Juraj Strossmayer University of Osijek, Croatia), Vincenzo Aquilanti (University of Perugia, Italy), Attila G. Császár (Eötvös University, Budapest, Hungary), Tomica Hrenar (University of Zagreb, Croatia), Bono Lučić (Ruđer Bošković Institute, Zagreb, Croatia), Roland Mitrić (University of Würzburg, Germany), Andreas Savin (UPMC Sorbone University, Paris, France), Miquel Sola (University of Girona, Spain), Peter Stadler (University of Leipzig, Germany), Péter Surján (Eötvös Loránd University, Budapest, Hungary), Jesus Ugalde (Euskal Herriko University, Euskadi, Spain), Urban Bren (University of Maribor, Slovenia), Filip Prątnicki (University of Szczecin, Poland), Danijel Namjesnik (University of Zagreb, Croatia)

#### HONORARY COMMITTEE

Aleksandru Balaban, Ivan Gutman, Milan Randić, Tomislav Živković

#### VENUE

MC<sup>2</sup>-33 will be held in Dubrovnik on 6–10 June, 2022. Dubrovnik is situated on Adriatic Coast in the southern part of the Republic of Croatia and, in recognition of its beauty, has been designated by UNESCO as a world heritage site. The venue of the meeting will be the Inter-University Centre (IUC), don Frana Bulića 4, in the vicinity of the western gate (*Vrata od Pila*) of the Old City.

#### CONFERENCE SCOPE AND SCIENTIFIC PROGRAM

Since 1986, the Math/Chem/Comp meetings have been bringing together researchers working on diverse subjects spanning mathematics, computer science, and chemistry. In continuation of this tradition, presentations concerning all aspects of current research on computer modeling, combinatorics, graph theory, and topology applied to any area of chemistry, physics, material and life sciences will be welcomed. The conference program will include invited plenary and special lectures workshops and posters. In particular, the MC<sup>2</sup>-33 meeting will revolve around the following topics:

1. Mathematical methods and computational algorithms in modeling of atoms, molecules, and chemical processes
2. Mathematical chemistry and chemical graph theory
3. Molecular modeling in practice (including molecular dynamics and aggregation)
4. Chemical experiments, industrial processes, and mathematical interpretation

## SCIENTIFIC PROGRAM

The conference program will include invited lectures, contributed oral presentations, and posters. Moreover, we will offer a **Workshop: Aromaticity: Basis, Types, Rules, and Quantification**, which will be held by **Miquel Solà**, Institut de Química Computacional i Catàlisi i Departament de Química Universitat de Girona

## REGISTRATION AND ABSTRACTS

Participants should register by filling the **registration form**:

<https://forms.gle/Wtfv4Z4LRMkgP8Dx6>

Abstracts should be submitted by e-mail to [mcc@hkd.hr](mailto:mcc@hkd.hr)

The abstract template is available on the conference website: <https://mcc.hkd.hr>

Early bird registration deadline: **April 30, 2022.**

Abstract submission deadline: **May 15, 2022.**

## MODES OF PRESENTATION

- Live oral presentation at the conference venue
- Poster presentation at the conference venue
- Live oral presentation via remote connection (using the Zoom software)
- Prerecorded oral presentation (via uploading of a video file)
- Online poster presentation (the online posters gallery will be accessible to all participants)

## POSTERS

The recommended dimensions of the posters are 90×120 cm (16.5"×22"). All posters to be presented should include a conference logo (available on the conference website), concise title, names and complete addresses of authors with indication of the author presenting the poster.

## PROCEEDINGS

The papers presented at the MC<sup>2</sup>-33 meeting can be submitted to *Croatica Chemica Acta* (<https://cca.hkd.hr>) to be published as proceedings in a special issue.

All contributions will be refereed. The participants are encouraged to submit their manuscripts before the meeting or at the latest upon arrival in Dubrovnik. Those unable to attend are invited to send their manuscripts to the director of the conference.

## REGISTRATION FEES

### Before April 30, 2022:

225.00 € (100.00 € for students\*, 50.00 € for remote attendance only).

### After April 30, 2022:

250.00 € (125.00 € for students\*, 70.00 € for remote attendance only).

Accompanying persons: 125.00 €.

**Please note, all rates stated include Croatian VAT at rate of 25 %**

**The conference registration fee includes:** admission to all scientific sessions; conference materials; conference trip and/or dinner; coffee or juice at breaks; IUC reception party. For conference participants without a Ph. D. degree, a letter from the undergraduate mentor or the Ph.D. advisor is required.



REGISTER HERE



<https://forms.gle/Wtfv4Z4LRMkgP8Dx6>

**Method of payment:** bank transfer or by credit cards (Mastercard, Maestro, and Visa)  
Participants should pay the fee upon registration and after receiving an invoice!

General bank transfer information:

**Croatian Chemical Society**, Horvatovac 102a Zagreb, HR-10000 Croatia

**VAT No.:** 71073617516

**IBAN:** HR1423600001502483558

**BIC-(SWIFT):** ZABAHR2X

**Bank name:** Zagrebačka banka d.d., Trg bana Jelačića 10, HR-10000 Zagreb, Croatia

**Reference:** Name of the participant (required!)

## DIRECTOR

All correspondence concerning the MC<sup>2</sup> meeting should be addressed to:

**Prof. Hrvoj Vančik**

Department of Chemistry, Faculty Science, University of Zagreb

Horvatovac 102a, HR-10000 Zagreb, Croatia

phone: 385 1 4606 400

e-mail: [vancik@chem.pmf.hr](mailto:vancik@chem.pmf.hr)

## ACCOMMODATION AND TRANSPORTATION

The participants are urged to make reservations as soon as possible as the number of rooms is limited and Dubrovnik is a popular tourist destination. Information regarding reservations of accommodation and other tourist matters can be obtained by e-mail from:

Mrs. Vera Drobnić, ([vera.drobnic@gulliver.hr](mailto:vera.drobnic@gulliver.hr))

*There are special prices for private accommodation in Dubrovnik for all the IUC conferences participants:*

<https://www.iuc.hr/private-accomodation.php>

<http://www.iuc.hr/hotels.php>

For accommodation in IUC Dormitory please contact:

Tel. +385 20 326 320

[office@dormitory.hr](mailto:office@dormitory.hr)

Or

**Gulliver Destination Management Company**

Obala pape Ivana Pavla II 1, 20000, Croatia

Tel. +385 20 301 500

[incoming@gulliver-dmc.hr](mailto:incoming@gulliver-dmc.hr)

[www.gulliver-dmc.hr](http://www.gulliver-dmc.hr)

City of Dubrovnik can be reached by air from Zagreb and most of the European cities, by bus coaches from Zagreb, Rijeka and Split, by boat from the ports of Rijeka and Split, or by boat from Italy.

The participants are responsible for booking of accommodation and transportation.  
The conference organizers cannot assume any responsibility for these matters.

The Organizing Committee recommends that all participants should activate their EU digital COVID certificates (COVID passports), or a paper certificate with a QR code.