



1st ACDC 2023

1ST CROCERS CONFERENCE:

Advanced Configurations in Derivative Ceramics

1st International Conference of the Croatian Ceramic Society:

www.fkit.unizg.hr/CroCerS/1stCroCerSConference2023

26-29. APRIL 2023.

UNIVERSITY OF
DUBROVNIK

DUBROVNIK, CROATIA

TOPICS



CERAMIC BODIES (I)

bulk, porous, aerogels, shaping, green, composites, properties for ... **biosensors**

CERAMIC THIN-FILMS (II)

and other configurations, optoelectrical, piezo, for ... **energy conversion devices**

(III) CERAMIC POWDERS

nanoparticles, core-shell, doping & processing for ... **catalysts and batteries**

(IV) CERAMICS COMPUTATIONS

with respect to theoretical & design aspects, modelling, for ... **various utility**



The **Croatian Ceramic Society** is the last established national society in the European area. As defined in the Statute, the **CroCerS** strives to increase visibility of the activities related with ceramic materials of the researchers and professionals in Croatia and internationally. Needless to say, establishing a biyearly International Conference would serve as a useful platform to support the above-mentioned activities. Following that, we believe the time is just about right to put the **International CroCerS Conference** under the spotlight. In doing so, the Scientific-Organizing Committee would like to omit the what has become fairly standard segmentation of the topics based on the application area or chemical composition. Instead we would like to foster proactive segmentation based on correlation of material configurations and functionalities.

Therefore, the submissions are welcomed in following:

TOPICS

- (i) **CERAMIC BODIES**
bulk, porous, aerogels, shaping, green, composites, properties for ... biosensors
- (ii) **CERAMIC THIN-FILMS**
and other configurations, optoelectrical, piezo, for ... energy conversion devices
- (iii) **CERAMIC POWDERS**
nanoparticles, core-shell, doping & processing for ... catalysts and batteries
- (iv) **CERAMICS COMPUTATIONS**
with respect to theoretical & design aspects, modelling, for ... various utility

PROBABLE PLENARY

- Sanjay Mathur** ACeS pres., UC, Germany
- (i) **Carlos A. García-González** USC, Spain
- (ii) **Barbara Malič** IJS, Slovenia
- (iii) **Nae-Lih Wu** NTU, Taiwan
- (iv) **Yogendra Kumar-Mishra** SDU, Denmark

PROBABLE WORKSHOPS

- Preparing porous ceramic bodies (F.R.-Perić)
- Modelling morphology (N. Ukrainczyk)
- Advanced electron microscopy tools (J. Marušić)

PROBABLE INVITED

- (i) **Yannick Lorgouilloux** UPHF, France
- (i) **Pavel Šiler** BUT, Poland
- (ii) **Ivana Panžić** MCL, Austria
- (ii) **Michał Borysiewicz** IMIF, Poland
- (iii) **Stanislav Kurajica** FCET, Croatia
- (iii) **Luka Pavić** RBI, Croatia
- (iv) **Mattia Gaboardi** CFM, Spain
- (iv) **Andrei Rotaru** UC, Romania

You are cordially invited to participate in the:

1 ACDC 2023

Advanced Ceramics in Derivative Configurations

actually a

1st CroCerS Conference

1st International Conference of the
Croatian Ceramic Society

to be held on

26–29. April 2023.

at **Student centre Dubrovnik facilities, Croatia**

fkit.unizg.hr/CroCerS/1stCroCerSConference2023 how to get there bit.ly/3XRqkrK

REGISTRATION ^a	Early	Late	Inclusive
Student Comfort (all who identify as such)	300 Eur	450 Eur	Conference materials + Presentation/Poster + Abstract in Book of Abstracts + <i>Paper in SI (optional)</i> + Accommodation (3 nights) (limited availability) Welcome reception + Break refreshments + Meals + Gala dinner + Sightseeing tour + Transfer from Zagreb (limited availability)
Regular (all not identifying as students)	300 Eur	450 Eur	Conference materials + Presentation/Poster + Abstract in Book of Abstracts + <i>Paper in SI (optional)</i> Welcome reception + Break refreshments + Meals + Gala dinner + Sightseeing tour + Transfer from Zagreb (limited availability) -Accommodation is NOT included

^aAll participants have to register, not only the presenting authors.

AGENDA	Wednesday 26.4.2023.	Thursday 27.4.2023.	Friday 28.4.2023.	Saturday 29.4.2023.
8:00	8:00	Registration (30min)	Registration (30min)	
8:30	8:30	OL1-1 (12+3min)	OL3-13 (12+3min)	
8:45	8:45	OL1-2 (12+3min)	OL3-14 (12+3min)	
9:00	9:00	OL1-3 (12+3min)	OL3-15 (12+3min)	
9:15	9:15	OL1-4 (12+3min)	OL3-16 (12+3min)	
9:30	9:30	OL1-5 (12+3min)	OL3-17 (12+3min)	
9:45	9:45	OL1-6 (12+3min)	OL3-18 (12+3min)	
10:00	10:00	Coffee Break1 (30min)	Coffee Break3 (30min)	
10:30	10:30	IL1 (20+5min)	IL3 (20+5min)	Dubrovnik tour (150min)
11:00	11:00	WS1 (20+5min)	WS4 (20+5min)	
11:20	11:20	Appl. note (20min)	Appl. note (20min)	
11:45	11:45	Appl. note (20min)	Appl. note (20min)	
12:00	12:00	Lunch1 (85min)	Lunch2 (85min)	
13:25	13:25	PL4 (30+5min)	PL5 (30+5min)	
14:00	14:00	IL2 (20+5min)	IL3 (20+5min)	
14:25	14:25	IL2 (20+5min)	IL4 (20+5min)	
14:50	14:50	Tech. break (10m)	Tech. break (10m)	
15:00	15:00	OL2-7 (12+3min)	OL4-19 (12+3min)	Elafiti Island excursion (300min) (optional)
15:15	15:15	OL2-8 (12+3min)	OL4-20 (12+3min)	
15:30	15:30	OL2-9 (12+3min)	OL4-21 (12+3min)	
15:45	15:45	OL2-10 (12+3min)	OL4-22 (12+3min)	
16:00	16:00	OL2-11 (12+3min)	OL4-23 (12+3min)	
16:15	16:15	OL2-12 (12+3min)	OL4-24 (12+3min)	
16:30	16:30	Coffee Break2 (30min)	Coffee Break4 (30min)	
17:00	17:00	Registration (60min)	CroCerS Assembly + Round table (60min)	
18:00	18:00	Posters (90min)	Awards (30min)	
18:05	18:05	Opening (5 m) PL1 (30+5min)		
18:40	18:40	PL2 (30+5min)	free	free
19:15	19:15	PL3 (30+5min)		free
20:00	20:00	Welcome Rec. (150min)	Conference dinner (150min)	Freestyle (150min)

!!! EXTENSION !!! Please use the "Abstract Template" -> to submit Abstracts and send it to crocers@fkit.hr until 09.04.2023. You will receive the decision by the 10.04.2023. For Early registration pay by 14.04.2023. Late registrations are accepted by the 21.04.2023. The Abstract submissions without Registration will be revoked. If necessary, ask for Proforma invoice, otherwise use BIC:ESBCHR22, IBAN:HR1124020061100882609 (CroCerS (Croatian Ceramic Society)/Hrvatsko društvo za keramičke materijale, Marulićev trg 20, VAT:HR88544763635), in the description please don't forget to include **Name-Surname-Registration-type (SC-E / SC-L / R-E / R-L)**. Make sure to cover any fees related to bank transfer. If necessary, ask for VISA Invitation letters.

For the first ~60 students it will be possible to provide 2/1 dormitory accommodation. In the case of full capacity, the Student registration without accommodation will be available for 150 Eur (Early) / 325 Eur (Late) (Payment of 150/325 registration fees will assume you don't want dormitory accommodation). Limited transfers Zg-Du-Zg will be also possible. **20 BURSARIES** (courtesy of ECERS) are AVAILABLE for registered ECI participants. Bursaries will be offered according to Abstract quality; international ECIs will have priority (up to 500 Eur for travel & accommodation) before national ECIs (up to 150 Eur for travel & accommodation). When sending Abstract, please clearly declare your intention to participate in call for bursaries! Send an email for more info. The official Conference language is English. You may already see the tentative ABSTRACTA. Contributions will be published in 1st CroCerS2023 ACDC Book of Abstracts. Selected Papers will be invited for publication in Special Issue (Qa and other Scopus & WoS journals, to be announced).

Likely it will be easy for you to share a drive Zg-Du or fly to nearby airport in Cavtat (~20km). Likely you will experience a comfortable weather and a mild touristic situation at one of the most famous sites in the whole World. | "Promo" ->

Likely we will have up to 100 participants, but surely You will have opportunity to hear great lecturers, so I am very much looking forward to seeing you in Dubrovnik!

Conference Chair

assoc prof dr Vilko Mandić (FCET, Croatia) crocers@fkit.hr

Conference Secretary

dr Ivana Panžić (MCL, Austria) crocers@fkit.hr

International Scientific-Organizing committee Alphabetically

Arijeta Bafti (FCET-HR), Ivan Brnardić (MF-HR), Uroš Cvelbar (IJS-SI), Lidija Čurković (FMENA-HR), Marco Deluca (MCL-AT), Lucia Emanuele (UD-HR), Matko Erceg (KTF-HR), Mattia Gaboardi (E-IT), Manuel P.F. Graca (UA-PT), Gregor Hlawacek (HZDR-DE), Floren Radovanović-Perić (FCET-HR), Andrei Rotaru (UC-RO), Marko Rukavina (FCET-HR), Maja Dutour Sikirić (RBI-HR), Ana Šantić (RBI-HR)

Organisation Support (ECeRS, HDKI) and Sponsors Alphabetically

AEROGELS, Aparatura, Applied Ceramics, AVAK, ECERS, FIT4NANO, ITR-LAB, ITRS, Lach-Ner, Optik Instruments, Ru-Ve, Trokut Test Group, Vigor-Glovebox

