



# INTERNATIONAL CONFERENCE ON MATERIALS heat treatment, corrosion, testing and tribology, 2023

## MTECH 2023

October 02-05, 2023, Cavtat, Croatia

### ORGANISED BY

Croatian Society for Heat Treatment and Surface Engineering – HDTOIP  
Croatian Society for Materials Protection – HDZaMa  
Croatian Society for Materials and Tribology – HDMT  
Center for Non-destructive Testing – CENI



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### **SCIENTIFIC AND PROGRAM COMMITTEE**

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Božidar Matijević (President), Ivan Stojanović, Željko Alar, Vesna Alar, Imre Felde University of Obuda, Budapest, HU, Lauralice de Campos Franceschini Canale, University of São Paulo, Faculty of Mechanical Engineering, São Carlos, Brasil, M.T. Mathew, Ph.D., University of Illinois College, Chicago, USA, Nikolai Kobasko, USA, Damir Markučić, Duško Pavletić (RITEH), Angela Topić (FSR Mostar), Danko Ćorić, Zdravko Schauerl, Suzana Jakovljević, Mateja Šnajdar Musa (UniRi), Ivan Juraga, Helena Otmačić Ćurković (FKIT), Marko Katić, Morana Mihaljević, Johgann Wilhelm Erning (BAM), Marijana Serdar, Ivica Kladarić (UNISB), Ivan Samardžić (UNISB), Claus Qvist Jessen (Damstahl).

### **ORGANIZING COMMITTEE**

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Dario Iljkić, Suzana Jakovljević, Jurica Jančić, Tomislav Kezele, Ivica Kladarić, Marin Kurtela, Darko Landek, Johgann Wilhelm Erning (BAM), Srećko Godež (SLO), Nikola Knezović (FSR Mostar), Izabela Martinez, Morana Mihaljević, Jurica Jačan, Daniel Pustički, Filip Žanetić

### **TECHNICAL COMMITTEE**

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Ante Dizdar (OPT d.o.o.), Marko Rakvin (TUV Croatia), Mladen Franjković (STSI), Karla Rončević (Helios), Ivana Radić Boršić (Cortec Corporation Europe), Robert Iveković (IVEKOVIĆ-TZM), Martin Miculinić (ZIT), Branko Šeparović (Altmont), Krešimir Kekez (PA-EL)

### **TOPICS**

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Materials and processes, Materials characterization, Nanomaterials and nanotechnology, Friction, wear and lubrication, Metallurgy, Quenchants and quenching technology, Coatings, Advanced surface modification and coating technologies, Vacuum heat treatment, Heat treatment equipment, Mathematical modeling and process simulation of heat treatment, Corrosion and corrosion protection methods, Corrosion resistant materials, Non-destructive and destructive testing methods, In-service inspection, Certification and accreditation, Measurement and quality assurance

Conference Chairman

Prof. dr. sc. Božidar Matijević



# INTERNATIONAL CONFERENCE ON MATERIALS

## heat treatment, corrosion, testing and tribology, 2023

### VENUE AND DATE

**MTECH International Conference** will be held at Croatia hotel, Cavtat, from **2-5 October 2023**.

Rising above a pine forested peninsula overlooking unspoiled Cavtat Bay, Hotel Croatia Cavtat is the leading five-star resort and conference center in the South Adriatic. Just 5km from Dubrovnik airport, Hotel Croatia Cavtat combines a stunning waterfront location with easy access to the halcyon treasures of the Adriatic coast. Medieval Dubrovnik across the bay is a must and less than half an hour by car, or a relaxed 45-minute boat ride away. Closer to home, we offer access to two quiet beaches – one facing Cavtat Bay, the other the crystal-clear Adriatic – an outdoor pool shaded by pine trees, a spa and excellent restaurants. It is an idyllic, design award-winning base from which to explore the region's historic charm.



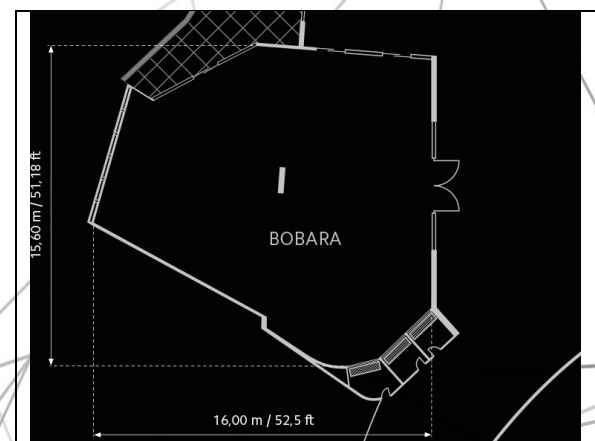
To book preferential accommodation the conference participants are kindly asked to follow the link on [mtech-conf.hr](http://mtech-conf.hr) under "Venue & Accommodation" using promo code MTECH2023 (deadline till 15th Sept 2023.)

**EFC-Event No. 503**

### CONFERENCE VENUE ADDRESS:

Adress: Hotel Croatia  
Frankopanska 9  
20210, Cavtat  
Croatia  
Telephone: [+385 20 475 555](tel:+38520475555)

mail: [reservations@alh.hr](mailto:reservations@alh.hr)  
Airport distance: Dubrovnik Airport 5,8 km



## CONFERENCE HALLS:

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Halls and lobbys in Hotel Croatia used for the purpose of the conference are:

- **Ragusa conference hall** - Opening ceremony, Invited and comercial lectures, Workshops, Lectures
- **Bobara conference hall** - Lectures, Workshops, more than 500m<sup>2</sup> of exhibition space



- **Cavtat Buffet Restaurant** - Lunch
- **Gala dinner** - Spinaker Restaurant of Hotel Croatia





# INTERNATIONAL CONFERENCE ON MATERIALS

## heat treatment, corrosion, testing and tribology, 2023

### PROGRAMME OVERVIEW

#### DAY 1 – MONDAY 02. 10. 2023.

14.00 h	Workshops <a href="http://mtech-conf.hr">mtech-conf.hr</a>	Bobara Conference Hall
18.00 h	REGISTRATION	REGISTRATION DESK
20.00 h	WELCOME RECEPTION for Conference participants	Piano bar

#### DAY 2 – TUESDAY 03. 10. 2023.

8.00-9.00 h	REGISTRATION DESK	Hotel Croatia Conference Reception desk
9.00-9.15 h	OPENING CEREMONY	BOBARA HALL
9.15-10.45 h	INVITED & COMMERCIAL LECTURES	BOBARA HALL
10.45-11.15 h	COFFEE BREAK	Piano bar, Lobby (Level 1)
11.15-12.30 h	LECTURES	BOBARA HALL
12.30-13.45 h	LUNCH BREAK	Restoran CAVTAT
13.45-14.45 h	POSTER SESSION	Lobby (Level 1)
9.00 – 14.45 h	EXHIBITION	Lobby (Level 1)
15.00 h	Social Event Visit to Dubrovnik	Departure from Hotel Croatia by the Bus Return to Cavtat by Galleon Tirena

#### DAY 3 – WEDNESDAY 04. 10. 2023.

9.00-10.30 h	INVITED & COMMERCIAL LECTURES	BOBARA HALL
10.30-11.00 h	COFFEE BREAK	Piano bar, Lobby (Level 1)
11.00-12.45 h	LECTURES	BOBARA HALL
12.45-14.00 h	LUNCH BREAK	Restoran Cavtat
14.00-15.30 h	LECTURES <i>In memoriam izv. prof. dr. sc. Vinko Šimunović</i>	BOBARA HALL
15.30-16.00 h	COFFEE BREAK	Piano bar, Lobby (Level 1)
16.00-17.30 h	LECTURES	BOBARA HALL
9.00-17.30 h	EXHIBITION	Lobby (Level 1)
20.00 h	GALA DINNER	Spinaker Restaurant of Hotel Croatia



# INTERNATIONAL CONFERENCE ON MATERIALS

## heat treatment, corrosion, testing and tribology, 2023

### DAY 4 – THURSDAY 05. 10. 2023.

9.00-10.30 h	INVITED & COMMERCIAL LECTURES	BOBARA HALL
10.30-11.00 h	COFFEE BREAK	Piano bar, Lobby (Level 1)
9.00 – 11.00 h	EXHIBITION	Lobby (Level 1)
11.00-11.30 h	The Commemoration for prof. dr. sc. Božidar Liščić	BOBARA HALL
11.30-12.00 h	THE CONFERENCE CLOSING CEREMONY	BOBARA HALL

## PROGRAMME

### DAY 2 – TUESDAY 03. 10. 2023.

TIME / EVENT / LOCATION		
8.30-9.00 h	REGISTRATION DESK	Hotel Croatia Conference Reception desk
9.00-9.15 h	OPENING CEREMONY	BOBARA HALL
9.15-10.45 h	INVITED & COMMERCIAL LECTURES	BOBARA HALL
CHAIRMEN: dr. sc. <b>Božidar Matijević</b> , dr. sc. <b>Ivan Stojanović</b>		
INVITED LECTURE: <b>Wilhelm Erning</b> : "GRABENKORROSION": HOW SCIENTIFIC DEBATE LEADS TO AN SOLUTION. AND MODERN FAILURES DUE TO NEGLIGENCE OF WELL DESCRIBED FACTS		
INVITED LECTURE: <b>Imre Felde</b> : APPLICATION OF MACHINE LEARNING FOR CHARACTERIZATION OF TRANSIENT HEAT TRANSFER		
COMMERCIAL LECTURES: <b>Trokut Test Group</b>		
10.45-11.15 h	COFFEE BREAK	Piano bar, Lobby (Level 1)
11.15-12.30 h	LECTURES	BOBARA HALL
CHAIRMEN: dr. sc. <b>Željko Alar</b> , dr. sc. <b>Damir Markučić</b>		
DEPOSITION OF PACVD TiN COATING ON ADDITIVELY MANUFACTURED TITANIUM ALLOY Jurica Jačan, Darko Landek, Miho Klaić		
BORIDE LAYER GROWTH KINETICS ON 42CRMO4 STEEL Filip Žanetić, Božidar Matijević, Darko Landek, Igor Vukić		
VpCI FOR MULTIMETAL PROTECTION IN HEATING SYSTEMS Ivana Radić Boršić, Ivan Stojanović, Marin Kurtela, Vesna Alar, Boris. A. Mikšić		
KONZERVACIJA VATRENOG ORUŽJA PRIMJENOM ISPARAVAJUĆIH INHIBITORA KOROZIJE Katarina Sabelja, Ivan Leutar, Mirko Jakopčić		



# INTERNATIONAL CONFERENCE ON MATERIALS

## heat treatment, corrosion, testing and tribology, 2023

**12.30-13.45 h**

**LUNCH BREAK**

**13.45-14.45 h**

**POSTER SESSION**

Lobby (Level 1)

THE EFFECT OF SHOT-PEENING ON BENDING FATIGUE FAILURE IN CARBURIZED SPUR GEARS  
Ivan Čular, Krešimir Vučković, Željko Alar, Srećko Glodež

THE INFLUENCE OF APPLYING PVD COATINGS ON ADHESION WEAR RESISTANCE OF HARDENING AND TEMPERING STEEL C45E

Ivica Kladarić, Stjepan Golubić, Slavica Kladarić, Andrijana Milinović

FAILURE ANALYSIS OF THE HAY TEDDER

Tomislav Vukes, Suzana Jakovljević

PROPERTIES OF WATER-BASED COATINGS FOR WOOD BURNING STOVE PROTECTION

Borna Škrlec, Ivan Stojanović, Vesna Alar, Marin Kurtela

EXPERIMENTAL DETERMINATION OF RESIDUAL STRESSES ON BUTT WELDS OF AL-MG ALLOYS OBTAINED WITH MIG WELDING

Mislav Štefok, Ivica Garašić, Maja Jurica, Vedran Jurlina

DEPENDENCE OF SPOT-WELDED JOINT GEOMETRY ON ANTI-CORROSIVE PROPERTIES OF CONVERSION COATING AND EPOXY-POLYESTER POWDER COATING

ANNA POROPAT, IVAN STOJANOVIĆ

MATHEMATICAL MODELLING OF TEMPERED HARDNESS OF QUENCHED STEEL

Dario Iljkić, Sunčana Smokvina Hanza, Božo Smoljan, Dario Kvirgić

VERIFICATION OF PAUT SYSTEM FOR AT RAIL WELD TESTING

Morana Mihaljević, Tomislav Kezele, Jure Burnać

EFFECT OF AL AND AG NANOPARTICLES ON THE ANTICORROSION AND ANTIBACTERIAL PROPERTIES OF EPOXY COATING

Marina Samardžija, Vesna Alar, Vedrana Špada, Suzana Jakovljević, Biserka Runje

PROJECT "SMART PLANT FOR DRYING LIQUID COATINGS"

Mirta Logar, Ivan Stojanović, Ivan Juraga, Zdenka Keran

COMPARISON OF DIFFERENT TESTING MACHINE CONTROL IN STATIC TENSILE TESTING DURING COLD DEFORMATION

Tin Brlić, Stoja Rešković, Ivan Jandrić, Željko Alar, Branko Grizelj, Lorena Mrkobrada

EXPLORING ORGANIZATIONAL COMPETENCE IN LABORATORY ENVIRONMENT: A HOLISTIC APPROACH

Branimir Buntak, Željko Alar

**15.00 h**

**Visit to Dubrovnik**



# INTERNATIONAL CONFERENCE ON MATERIALS

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DAY 3 – WEDNESDAY 04. 10. 2023.

TIME / EVENT / LOCATION		
<b>9.00-10.30 h</b>	INVITED & COMMERCIAL LECTURES	BOBARA HALL
CHAIRMEN: dr. sc. <b>Alar Željko</b> , dr. sc. <b>Damir Markučič</b>		
INVITED LECTURE <b>Mathew T. Mathew</b> : TRIBOCORROSION ASPECTS OF BIOMEDICAL IMPLANTS: CURRENT STATUS AND NEW DIRECTIONS		
GUEST LECTURE: <b>Pascal Collet</b> : THE EFC, A FEDERATION FOR ALL CORROSION SPECIALISTS AND EXPERTS IN MATERIAL SUSTAINABILITY		
COMMERCIAL LECTURE: <b>Cortec Corporation</b>		
<b>10.30-11.00 h</b>	COFFEE BREAK	Piano bar, Lobby (Level 1)
<b>11.00-12.45 h</b>	LECTURES	BOBARA HALL
CHAIRMEN: dr. sc. <b>Darko Landek</b> , dr. sc. <b>Morana Mihaljević</b>		
COMPARISON OF VARIOUS MINERAL AND VEGETABLE OILS AS QUENCHING MEDIA IN THE HARDENING PROCESS Izabela Martinez, Božidar Matijević, Tonča Čaleta Prolić		
EFFECT OF HEAT TREATMENT ON MECHANICAL AND CORROSION PROPERTIES OF ALSI1MGMN ALUMINUM ALLOY Darko Landek, Marin Kurtela, Domagoj Fekonja, Jurica Jačan		
COMMENTS ON ULTRASONIC THICKNESS MEASUREMENT DEVIATIONS Damir Markučič		
PA ULTRASONIC TESTING OF AT WELD JOINTS IN RAILS Aleksandar Dragojević, Ivica Garašić, Tomislav Kezele		
ULTRASONIC CHARACTERIZATION OF ADDITIVELY MANUFACTURED SAMPLE Maria Grozdanić, Morana Mihaljević		
RISK ASSESSMENT OF PRESSURE VESSELS BY USING FRACTURE MECHANICS AND ADVANCED ULTRASONIC TESTING Mirjana Opačić, Aleksanda Sedmak, Gordana Bakić, Nenad Milošević, Nikola Milovanović		
<b>12.45-14.00 h</b>	LUNCH BREAK	





# INTERNATIONAL CONFERENCE ON MATERIALS

## heat treatment, corrosion, testing and tribology, 2023

### DAY 3 – WEDNESDAY 04. 10. 2023.

14.00-15.30 h

LECTURES

BOBARA HALL

CHAIRMEN: dr. sc. **Ivan Stojanović**, dr. sc. **Vesna Alar**

*In memoriam izv. prof. dr. sc Vinko Šimunović*

ANALYSIS OF ELECTRICAL RESISTANCE OF ELASTOMER COMPONENTS OF THE FASTENING SYSTEMS IN URBAN RAILWAY TRACKS

Katarina Vranešić, Stjepan Lakušić, Marijana Serdar, Vesna Alar

TESTING OF GALVANIC CORROSION IN A SALT ATMOSPHERE

Ivan Stojanović, Vesna Alar, Marin Kurtela

ALUMINIUM NANOCOMPOSITES EPOXY COATING FOR ANTICORROSION AND ANTIBACTERIAL PROTECTION

Marina Samardžija, Vesna Alar, Ivan Stojanović, Vedrana Špada, Marin Kurtela

DRYING PARAMETERS OF WATER-BORNE COATINGS

Ivan Stojanović, Vesna Alar, Marin Kurtela, Ivan Juraga, Mirta Logar, Ivan Fatović

CORROSION PROPERTIES OF AA5083 IN MARINE ENVIRONMENT UNDER STAGNANT AND FLOW CONDITIONS

Lea Lokas, Vesna Alar

15.30-16.00 h

COFFEE BREAK

Piano bar, Lobby (Level 1)

16.00-17.30 h

LECTURES

BOBARA HALL

CHAIRMEN: dr. sc. **Ivica Kladarić**, dr. sc. **Danko Ćorić**

SURFACE HARDNESS UNIFORMITY OF THE HARDNESS REFERENCE BLOCKS PRODUCED BY SLM TECHNOLOGY AND HEAT TREATMENT

Daniel Pustički, Željko Alar

ANNEALING OF THICK-SOLID WELDED SHEETS TO REDUCE RESIDUAL STRESSES

Darko Landek, Ivica Garašić, Mislav Štefok, Jurica Jačan

THE INFLUENCE OF DIFFERENT FOAMING AGENTS ON ALUMINIUM FOAM PORE SIZE

Tomislav Rodinger, Danko Ćorić

ANALYSIS OF WELDED LAYER WEAR ON HELICOPTER SLIDE LINER

Darko Landek, Anita Peran, Mirko Jakopčić

MATERIAL CHARACTERIZATION OF THE FREE-FORGED MACHETE

Andrija Cestar, Vera Rede, Helena Lukšić

9.00 – 17.30 h

EXHIBITION

20.00 h

GALA DINNER

Spinaker Restaurant of Hotel Croatia



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DAY 4 - THURSDAY 05. 10. 2023.

### TIME / EVENT / LOCATION

9.00-10.30 h

INVITED  
& COMMERCIAL LECTURES

BOBARA  
HALL

CHAIRMEN: dr. sc. **Alar Željko**, dr. sc. **Damir Markučić**

INVITED LECTURE

Stefan Valkov: ELECTRON-BEAM PROCESSING OF METALS AND ALLOYS – TECHNIQUES AND TRENDS

Zoltan Koloszvary

COMMERCIAL LECTURE: **MESA Electronic GmbH**

APPLICATION OF VISCOELASTIC COATINGS BASED ON POLYISOBUTENE

Sven Radimiri

QUALITY EVALUATION OF CORROSION PROTECTIVE SYSTEMS IN EXPLOITATION CONDITIONS IN INDUSTRY

Zoran Čeralinac, Tomislav Karažija, Dijana Vrsaljko

OVERVIEW OF MODIFICATION AND COATING OF SURFACE

Božidar Matijević, Izabela Martinez

10.30-11.00 h

COFFEE BREAK

Piano bar, Lobby (Level 1)

11.00-11.30 h

The Commemoration for  
Prof. dr. sc. Božidar Liščić

BOBARA HALL

11.30-12.00 h

THE CONFERENCE CLOSING  
CEREMONY

BOBARA HALL

Participants are invited to visit the

### EXHIBITION

Trokut Test Group

IDEF d.o.o.

Cortec Corporation & EcoCortec

CorteCros d.o.o.

Ina maziva d.o.o.

EDC d.o.o.

MESA Electronic GmbH

Gracotech Grupa d.o.o.

Instrumentacija ELL-MP d.o.o.

IRT3000 ADRIA

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## INVITED LECTURERS



**Dr. rer. Nat. Johann Wilhelm Erning**

Works at Bundesanstalt für Materialforschung und -prüfung (BAM), Berlin, Germany. Studied Chemistry in Cologne and Bonn. Worked for the research centre Jülich from 1993 – 1996. Worked as post-doc at South Westphalia University of Applied Sciences from 1996-1998. Currently working at Bundesanstalt für Materialforschung und -prüfung (BAM) since 1998. Topics: electrochemistry, metals in contact with drinking water, failure analysis. Participation in various committees at EFC, CEN, DIN, DVGW...



**Dr. Imre Felde**

Dr. Imre Felde was born 19.07.1973. in Hungary. He achieved his PhD in Materials Science and Technology from Miskolc University (Hungary) in 2007. From 1995. to 2008. he was head of department and from 2008 to 2012. CEO of Bay Zoltán Foundation for Applied Research, Budapest, Hungary. From 2012. he is Vice Dean of Faculty of Informatics, Obuda University in Budapest, Hungary. He has published more than 100 scientific and technical papers in field of engineering, computer science, mathematics and process modeling. He is member of editorial board of Strojnicki Vestnik-Journal of Mechanical Engineering, International Journal of Microstructure and Mechanical Properties, Surface Engineering and Hindawi Advanced Materials Science and Technology.



**Dr. Mathew Mathew**

Mathew is a faculty at Department of Biomedical Science, UIC School of Medicine at Rockford and leading Disability Research lab. He holding adjunct position at Department of Bionengineering at UIC, Chicago and Department of Orthopedic Surgery, Rush University Medical Center, Chicago. His research is supported by the federal agencies (NIH and NSF) and research foundations. He is also Editor-in- chief of Journal of Bio and Tribo-corrosion by Springer. He was an instrumental for initiating an international research institute called "Institute of Biomaterials, Tribocorrosion, and Nanomedicine" (IBTN), which is a joint venture of University of Illinois (UIC) and UNESP, Brazil. Currently, he actively involved in the IBTN and the director of tribocorrosion division.



**Dr. Stefan Valkov**



Dr. Stefan Valkov is Associate Professor at the Technical University of Gabrovo and Institute of Electronics of the Bulgarian Academy of Sciences. Currently, he is a team leader of the laboratory “Physical technologies” located at the Institute of Electronics, Bulgarian Academy of Sciences. His scientific interests are related to the modern materials science: thin films and coatings deposition, electron-beam surface treatment and modification of metals and alloys, materials characterization, X-ray diffraction, crystallography.

**GUEST SPEAKER**

**Mr. Pascal Collet**



Mr. Pascal Collet received a degree in chemical engineering at Hautes Etudes Industrielles in Lille, France. He has over 30 year-experience in technical services, sales, business development and marketing in the chemicals and protective coatings industries for markets which have included the oil & gas, water sectors, the nuclear industry, the automotive sector and building. His main current employment is the European Federation of Corrosion (EFC) as Chief Operating Officer from April, 2023. He is also involved with the French Corrosion Society Cefracor.



## WORKSHOPS

Monday 02.10.2023.

14.00 – 19.00

### WORKSHOP 1

#### PRIMJENA HLAPIVIH INHIBITORA KOROZIJE U INDUSTRIJI

Organizator: Hrvatsko društvo za zaštitu materijala i Cortec Corporation

Predavač: **Ivana Radić Boršić**

Kontakt i slanje prijave: [dubravka.ulaga@fsb.hr](mailto:dubravka.ulaga@fsb.hr)

### WORKSHOP 2

#### OCJENE ULTRAZVUČNIH INDIKACIJA NEPRAVILNOSTI U ZAVARIMA PREMA ISO 17640

Organizator: Hrvatski centar za nerazorna ispitivanja – CeNI

Kontakt i slanje prijave: [info@ceni.hr](mailto:info@ceni.hr)

### WORKSHOP 3

#### TRIBOCORROSION BASICS

Organizator: Hrvatsko društvo za toplinsku obradu – HDTOIP

Predavač: M.T. Mathew, Ph.D., Professor, Department of Biomedical Engineering, UIC, Chicago

Kontakt i slanje prijave: [bozidar.matijevic@fsb.hr](mailto:bozidar.matijevic@fsb.hr)

### WORKSHOP 4

#### ISPITIVANJA MEHANIČKIH SVOJSTAVA MATERIJALA I UMJERAVANJA OPREME

Organizator: Hrvatsko društvo za materijale i tribologiju – HDMT

Prijava za seminar putem e-mail adrese: [zeljko.alar@fsb.hr](mailto:zeljko.alar@fsb.hr)



# INTERNATIONAL CONFERENCE ON MATERIALS

## heat treatment, corrosion, testing and tribology, 2023

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**OFFICIAL LANGUAGES:**

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Official languages of the Conference are Croatian and English.

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**CONFERENCE BADGE:**

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Everyone is kindly requested to wear her/his name badge during the Conference as it provides access to the scientific sessions, poster session, coffee breaks and gala dinner.

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**COFFEE BREAKS:**

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Coffee breaks will be served at the Lobby (Level 1) according to the program timetable.

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**DURATION OF PRESENTATION:**

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Due to the tight presentation schedule each participant selected for presentation is kindly asked to present his work in max. 12 min. Additional 3 min is left for the discussion of each presentation. All speakers are kindly asked to prepare the presentation in English in a Power Point format and to bring it on a USB memory device.

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**POSTER PRESENTATION:**

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Posters will be exhibited in the Quiet Salon in front of the Bobara Hall.

All authors participating at MTECH 2023 with posters must print posters and bring them to the conference. The Conference Secretariat will provide tapes to fix posters. Poster size should be 70 cm x 100 cm (that is width x height; portrait format). Organizing Committee is unfortunately not able to offer a Poster Printing Service.

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**REGISTRATION:**

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All participants at MTECH 2023 must register via [https://mtech-conf.hr/?page\\_id=513&lang=en](https://mtech-conf.hr/?page_id=513&lang=en).

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**ENDORSED BY:**

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European Federation of Corrosion, EFC-Event No. 503

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**CONFERENCE WELCOME DRINK:**

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**Date and time:** Monday, 2<sup>th</sup> October, 20:00

**Venue:** Piano bar Lobby, Hotel Croatia

The Organizers invite all guests to enjoy a breathtaking panorama, together with the appropriate welcome drink and snack in the terrace of the Hotel.

**Dress code:** Casual

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**CONFERENCE SOCIAL EVENT:**

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**Date and time:** Thursday, 3<sup>th</sup> October, 15:00

**Venue:** Visit old town of Dubrovnik

**Departure:** from Hotel Croatia with bus

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**CONFERENCE GALA DINNER:**

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**Date and time:** Wednesday, 4<sup>th</sup> October, 19:00

**Venue:** Spinaker Restaurant of Hotel Croatia

Consistently voted one of the best restaurants at Hotel Croatia Cavtat.

**Dress code:** Formal / **Accompanying person fee:** price on request



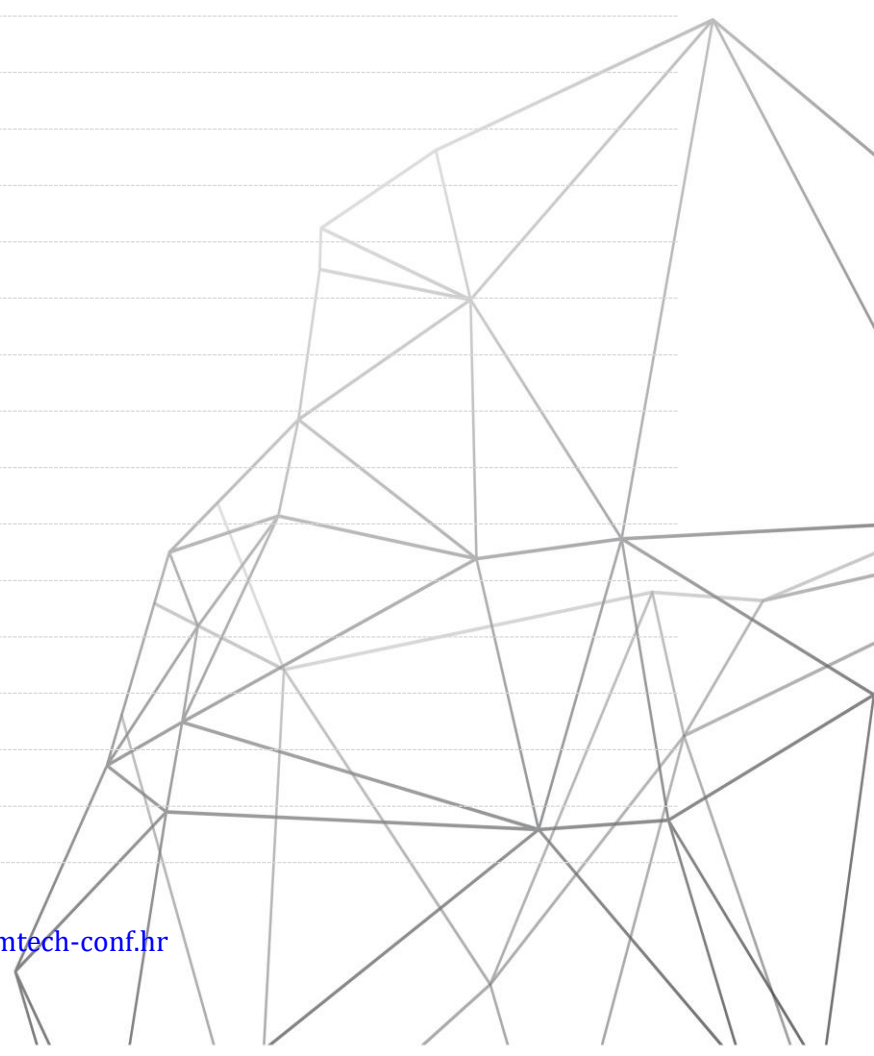
**INTERNATIONAL CONFERENCE ON MATERIALS**  
**heat treatment, corrosion, testing and tribology, 2023**

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NOTES

BILJEŠKE

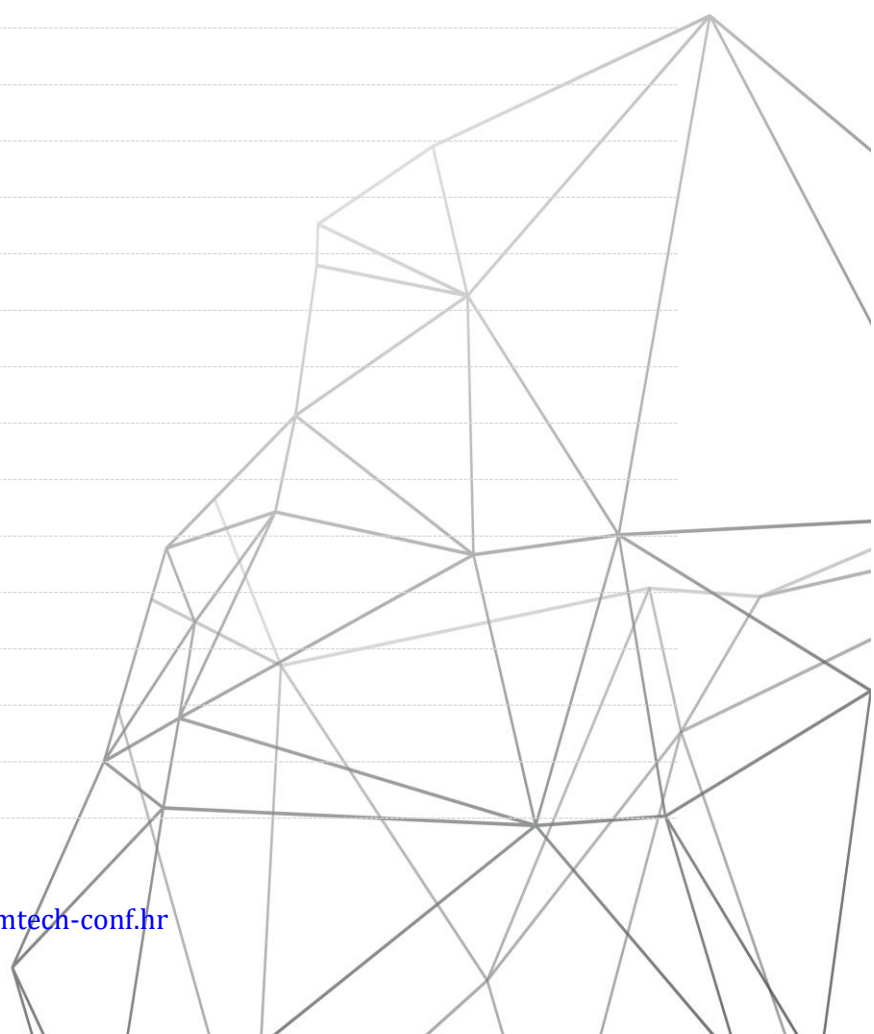
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**heat treatment, corrosion, testing and tribology, 2023**

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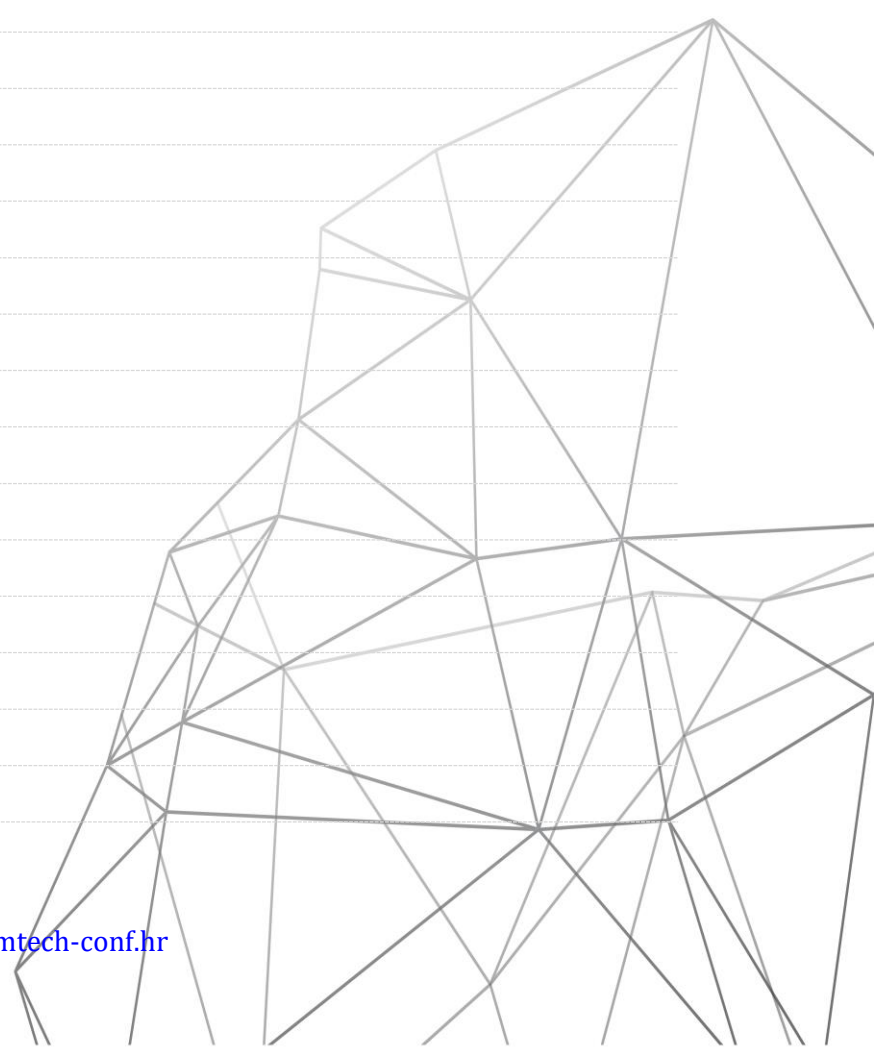






**INTERNATIONAL CONFERENCE ON MATERIALS**  
**heat treatment, corrosion, testing and tribology, 2023**

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