

corrosion, heat treatment, testing and tribology, 2019

MTECH 2019

October 9-12, 2019, Poreč, Croatia

ORGANISED BY

Croatian Society for Materials and Tribology – HDMT
Croatian Center for Nondestructive testing – CENI
Croatian Society for Heat Treatment and Sufrace Engineering – HDTOIP
Croatian Society for materials protection–HDZaMa









WITH THE SUPPORT OF



100 godina Fakulteta strojarstva i brodogradnje Sveučilišta u Zagrebu

100 Years of Faculty of Mechanical Engineering and Naval Architecture University of Zagreb





PARTNERS







SPONSORED BY

































Tech

INTERNATIONAL CONFERENCE ON MATERIALS corrosion, heat treatment, testing and tribology, 2019

SCIENTIFIC COMMITTEE:

Damir Markučič (President), Željko Alar, Vesna Alar, Božidar Matijević, Ivan Stojanović, Duško Pavletić (RITEH), Angela Topić (FSR Mostar), Danko Ćorić, Zdravko Schauperl, Suzana Jakovljević, Mateja Šnajdar Musa (UniRi), Ivan Juraga, Helena Otmačić Ćurković (FKIT), Marko Katić, Vinko Šimunović, Johann Wilhelm Erning (BAM).

ORGANIZING COMMITTEE:

Morana Mihaljević (President), Matija Sakoman, Tamara Aleksandrov Fabijanić, Tihomir Polanović, Dalibor Viderščak, Tomislav Kezele, Miroslav Omelić, Marin Kurtela, Dragutin Juraj, Krešimir Kekez, Marijana Serdar, Bruno Židov, Ivan Kumić.

TECHNICAL COMMITTEE:

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), Stjepan Pavliša (PA-EL), Martin Miculinić (ZIT), Branko Šeparović (Altmont).

TOPICS:

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

Conference Chairman

Prof. dr. sc. Damir Markučič

Tools

INTERNATIONAL CONFERENCE ON MATERIALS

corrosion, heat treatment, testing and tribology, 2019

VENUE AND DATE:

MTECH International Conference (EFC Event No. 452) will

be held at Valamar Collection Isabella Island Resort 4*/5* in Poreč, from **9-12 October**, 2019.

Valamar Collection Isabella Island Resort is located on the magical island of Sveti Nikola, which can be reached from the Poreč historic centre in 5 minutes by boat.



Resort guests also have a parking spot at Valamar Isabella (Žatika) car park in Poreč waiting for them (5€/day), and free transfer from the car park to the resort and back.

HOW TO REACH THE CONFERENCE HOTEL:

www.valamar.com/en/hotels-porec/valamar-isabella-island-resort/map-directions

POREČ-SVETI NIKOLA		SVETI NIKOLA-POREČ			
06:45	07:30	07:45	07:00	07:35	07:55
08:00	08:30	09:00	08:20	08:35	09:05
09:30	09:45	10:30	09:35	10:20	10:35
10:45	11:00	11:15	10:50	11:05	11:20
11:30	12:00	12:30	11:35	12:05	12:35
13:00	13:30	13:45	13:05	13:35	14:15
14:30	14:45	15:30	14:35	15:15	15:35
16:00	16:30	17:00	16:05	16:35	17:05
17:30	18:00	18:15	17:35	18:05	18:20
18:30	18:45	19:30	18:35	19:20	19:35
20:00	20:30	20:45	20:05	20:35	20:50
21:00	21:30	22:00	21:05	21:35	22:15
22:30	22:45	23:15	22:35	23:05	23:20
23:30	23:45	00:00	23:35	23:50	00:05

CONFERENCE HALLS:

Momenti conferece halls will be used for the purpose of the conference:

- Momenti 1 Opening ceremony, Invited lectures, Gala Dinner
- Momenti 2 Lectures, Poster section
- Momenti Lobby Coffee breaks, Sponsor exhibition



PROGRAMME OVERVIEW

	DAY 0 - WEDNESDAY 9.10.2019).
13.00 h	Workshops <u>mtech.com.hr</u>	Momenti 1, Momenti 2 conference HALLS
21.00 h	WELCOME RECEPTION for Conference participants	pool area Valamar Collection Isabella Island Resort
	DAY 1 - THURSDAY 10.10.2019	
8.30-9.00 h	REGISTRATION DESK	Hotel reception
9.00-9.20 h	OPENING CEREMONY	Momenti 1 HALL
9.20-10.30 h	INVITED & COMMERCIAL LECTURES	Momenti 1 HALL
10.30-11.00 h	COFFEE BREAK	Momenti Lobby
11.00-13.00 h	LECTURES	Momenti 1 & Momenti 2 HALLS
13.00-14.00 h	LUNCH BREAK	
14.00-16.00 h	LECTURES	Momenti 1 & Momenti 2 HALLS
9.00-17.00 h	EXHIBITION	Momenti Lobby
16.00-16.30	COFFEE BREAK	Momenti Lobby
16.15-17.30	POSTER SESSION	Momenti 2 HALL
18.00 h	Social Event	
	DAY 2 - FRIDAY 11.10.2019.	
9.00-10.30 h	INVITED & COMMERCIAL LECTURES	Momenti 1 HALL

	DAY 2 - FRIDAY 11.10.2019.	
9.00-10.30 h	INVITED & COMMERCIAL LECTURES	Momenti 1 HALL
10.30-11.00 h	COFFEE BREAK	Momenti Lobby
11.00-12.30 h	INVITED & COMMERCIAL LECTURES	Momenti 1 HALL
12.30-13.30 h	LUNCH BREAK	
13.30-15.00 h	LECTURES	Momenti 2 HALL
15.00-15.30 h	COFFEE BREAK	Momenti Lobby
9.00-17.00 h	EXHIBITION	Momenti Lobby
15.30-17.00 h	LECTURES	Momenti 2 HALL
20.00 h	GALA DINNER	Momenti 1 HALL

	DAY 3 - SATURDAY 12.10.2019.	
approx. 9h	EXCURSION TO	Departure to Fažana
	BRIJUNI NATIONAL PARK	payment on site



corrosion, heat treatment, testing and tribology, 2019

PROGRAMME

DAY 1 - THURSDAY 10.10.2019.

TIME / EVENT / LOCATION		
8.30-9.00 h	REGISTRATION DESK	Hotel reception
9.00-9.20 h	OPENING CEREMONY	Momenti 1 HALL
9.20-10.30 h	INVITED & COMMERCIAL LECTURES	Momenti 1 HALL

CHAIRMEN:

dr. sc. Alar Željko, dr. sc. Markučič Damir, dr. sc. Matijević Božidar, dr. sc. Stojanović Ivan

INVITED LECTURE:

D. Terry Greenfield: CORROSION MANAGEMENT AND ITS RELATIONSHIP NACE INTERNATIONAL IMPACT-PLUS®

INVITED LECTURE:

Prof. Dr. Giovanni Bruno: QUANTITATIVE NON-DESTRUCTIVE MATERIALS CHARACTERIZATION BY MEANS OF 2D AND 3D X-RAY IMAGING TECHNIQUES

COMMERCIAL LECTURES: Kowotest GmbH / MATDAT: Materials Database

10.30-11.00 h	COFFEE BREAK & EXHIBITION	Momenti Lobby
11.00-13.00 h	LECTURES	Momenti 1 & Momenti 2 HALLS

Momenti 1

Bruno Židov, Ivan Stojanović, Vesna Alar, Vinko Šimunović, Likun Xu, Zhifeng Lin, Li Ma, Xiangbo Li: THE STABILITY OF SELF-HEALING COMPOSITE COATING BASED ON ENCAPSULATED CORROSION INHIBITORS

Stojan Božović, Sanja Martinez, Veselinka Grudić: PRIMJENA SMJESE EKOLOŠKI PRIHVATLJIVIH SPOJEVA ZA INHIBICIJU KOROZIJE RAZLIČITIH METALA U 0,51 M OTOPINI NACL

Ivana Šoić, Sanja Martinez: A NOVEL EIS BASED DEVICE FOR FIELD AND LABORATORY QA AND QC OF PROTECTIVE COATINGS

Ivana Radić, Boris A. Miksić, Ivan STOJANOVIĆ, Eric Uutala: ECONOMIC AND ENVIRONMENTAL IMPACT OF TRADITIONAL RUST PREVENTIVES AS COMPARED TO NOVEL BIOBASED TEMPORARY COATINGS

Mirko Jakopčić, Ivan Leutar: PRIMJENA PREMAZA U ZAŠTITI OD KOROZIJE NAORUŽANJA I VOJNE OPREME

Dino Anlar, Ivan Stojanović: FIREPROOF COATINGS

Momenti 2

Andrijana Milinović, Josip Stojšić, Slavica Kladarić, Ivica Kladarić: INFLUENCE OF MOULD TEMPERATURE ON TENSILE AND FLEXURAL PROPERTIES OF INJECTION MOULDED POLYETHYLENE SPECIMENS

Landek, Darko; Jakopčić, Mirko: POVIŠENJE OTPORNOSTI NA TROŠENJE ČELIKA ZA VISOKOOPTEREĆENE KLIZNE LEŽAJEVE

Danko Ćorić, Krešimir Grilec, Matija Sakoman, Nikola Oršanić: EROSION WEAR RESISTANCE OF NANOSTRUCTURED CEMENTED CARBIDES

Matija Sakoman, Danko Ćorić, Martina Kesner, Nikolina Sirovec: DIRECT TOOL MONITORING OF NANOSTRUCTURED CEMENTED CARBIDE CUTTING TOOL

Željko Alar, Davor Mandić, Marin Ambrušec: EVALUATION OF DYNAMIC FRACTURE TOUGHNESS THROUGH INSTRUMENTED CHARPY METHOD

Sanja Martinez, Božidar Matijević: CORROSION RESISTANCE OF CHROMIUM CARBIDE COATINGS OBTAINED BY TRD PROCESS EXAMINED BY NOVEL MEASURMENT TECHNIQUE



DAY 1 - THURSDAY 10.10.2019.

TIME / EVENT / LOCATION		
13.00-14.00 h	LUNCH BREAK	
14.00-16.00 h	LECTURES	Momenti 1 & Momenti 2

Momenti 1

Lea Lokas, Vesna Alar: INVESTIGATION OF CORROSION BEHAVIOUR OF AA6060 IN SEAWATER

Goran Rozing, Vesna Alar, Goran Heffer, Ivan Vidaković: UTJECAJ NAKNADNOG NITRIRANJA NA TRIBOLOŠKA SVOJSTVA MARTENZITNIH KOROZIJSKI POSTOJANIH ČELIKA

Zoran Čeralinac, Tomislav Cvrtila, Tomislav Karažija: TEST METHODS FOR BEHAVIOR OF SEALING MATERIALS IN EXPLOITATION CONDITIONS EMBEDDED IN ELECTRIC POWER INDUSTRY PRODUCTS

Krešimir Kekez, Stjepan Pavliša, Martin Balija: REINFORCED CONCRETE EXPOSED TO A SALINE ENVIRONMENT – PELJEŠAC BRIDGE CATHODIC PROTECTION EXPERIENCE

Vjera Marić: UTJECAJ HRAPAVOSTI ALUMINIJSKE PODLOGE NA PRIONJIVOST PREMAZA

Ivan Rogan, Krešimir Kekez, Lea Lokas: PRIMJENA INHIBITORA KOROZIJE (VPCI) KOD HIDROSTATSKOG TESTIRANJA

Momenti 2

Ivan Jurić, Marin Kurtela, Ivica Garašić, Jadranka Eržišnik, Matija Županić: PRIMJENA ALUMINIJEVIH LEGURA I CMT POSTUPKA ZA ADITIVNU PROIZVODNJU ELEKTRIČNIM LUKOM I ŽICOM

Josip Mioč: PROIZVODNE TEHNOLOGIJE I SVOJSTVA MATERIJALA VM12 SHC U TERMOELEKTRANAMA

Angela Topić, Ivica Garašić, Ivan Jurić, Nikola Knezović: INVESTIGATION OF PROPERTIES OF WAAM PRODUCED DUPLEX STAINLESS STEEL PART

Branko Jagodić, Edgar Korenjak, Miroslav Omelić: PRIMJENA NAPREDNIH TEHNIKA PRI ISPITIVANJU ZAVARA IZ RAZNORODNIH MATERIJALA

Marko Katić, Marko Horvatek: RAZVOJ MODULARNOG LASERSKOG INTERFEROMETRA ZA MJERENJE POMAKA

Miroslav Omelić, Marko Omelić: NERAZORNO ISPITIVANJE KOMPOZITNIH MATERIJALA

9.00-17.00	EXHIBITION	Momenti Lobby		
16.00-16.30h	COFFEE	Momenti Lobby		
16.15-17.30h	POSTER SESSION	Momenti 2	X	1

Jana Petrů, Marie Kudrnová: MATERIALS FOR MOLTEN-SALT REACTORS

Marie Kudrnová, Jana Petrů: XPS EXAMINATIONS OF PASSIVE AND CORROSION LAYERS

Ante Milić, Ivan Stojanović, Vinko Šimunović: INFRARED (IR) DRIED INDUSTRIAL COATINGS

Vinko Šimunović, Marin Kurtela, Nikola Jelić: KOROZIJSKA SVOJSTVA CU – NI LEGURA U MORSKOJ VODI

Vinko Šimunović, Marin Kurtela, Viktor Smrkulj: KOROZIJSKA OTPORNOST MJEDI U ATMOSFERSKIM UVJETIMA

Franjo Ivušić, Helena Otmačić Ćurković, Vesna Alar: EKSTRAKTI VIŠIH GLJIVA KAO INHIBITORI KOROZIJE UGLJIČNOG ČELIKA U 0.5 % NACL OTOPINI

Denis Rajh, Branko Nečemer, Matjaž Šraml, Srečko Glodež, Gorazd Fajdiga: FRACTURE BEHAVIOUR OF SPRUCE WOOD UNDER THREE-POINT BENDING TEST

Morana Mihaljević, Maja Jurica, Zoran Kožuh: ULTRASOUND VELOCITY CHANGES IN X80 WELDED JOINTS WITH DIFFERENT MICROSTRUCTURES

Suzana Jakovljević, Krešimir Grilec, Dražen Mezdić, Mia Kovač: ANALIZA KVARA PLAMENIKA PEĆI ZA IZGARANJE DRVENIH PELETA



DAY 2 - FRIDAY 11.10.2019.

TIME / EVENT / LOCATION

9.00-10.30 h

INVITED & COMMERCIAL LECTURES

Momenti 1 HALL

CHAIRMEN: dr. sc. Alar Željko, dr. sc. Ivan Stojanović

INVITED LECTURE:

Prof. Dr. Likun Xu: SOME CHALLENGES OF CATHODIC PROTECTION FOR MARINE SHIP

INVITED LECTURE:

Dr. rer. nat. Johann Wilhelm Erning: A NEW TYPE OF COPPER PITTING CORROSION IN GERMAN TAP

WATERS

COMMERCIAL LECTURE: Trokuttest d.o.o.

10.30-11.00 h

COFFEE BREAK & EXHIBITION

Momenti Lobby

11.00-12.30 h

INVITED & COMMERCIAL LECTURES

Momenti 1 HALL

CHAIRMEN: dr. sc. Božidar Matijević, dr. sc. Markučič Damir

INVITED LECTURE:

Prof. Dr. Bojan Podgornik: SURFACE ENGINEERING IN TOOLING APPLICATIONS AND THE IMPORTANCE OF THE SUBSTRATE

COMMERCIAL LECTURE - MESA Electronic GmbH

COMMERCIAL LECTURE - Cortec VpCI corrosion protection solutions

12.30-13.30 h LUNCH BRE.

13.30-15.00 h LECTURES Momenti 2 HALL

Momenti 2

Koričan Marija, Stojanović Ivan, Alar Vesna: UČINKOVITOST VPCI ČISTAČA NA BAZI VODE ZA ODMAŠĆIVANJE POVRŠINE I UTJECAJ NA PRIONJIVOST PREMAZA

Irbas, Škrinjarić, Tamara Aleksandrov Fabijanić, Johannes Pötschke, Markus Mayer, Mladen Franz: NANOSCALED WC-NI HARDMETALS DEVELOPED BY SINTER-HIP PROCESS

Andrea Ladavac, Željko Alar: ODREĐIVANJE SVOJSTAVA ZAVARENIH SPOJEVA TITANIJEVE LEGURE

Daniel Pustički, Zdravko Schauperl, Željko Alar: PRODUCTION AND TESTING OF AL/CU SAMPLES OBTAINED BY POWDER METALLURGY

Regina Novak, Morana Mihaljević, Tamara Aleksandrov Fabijanić, Damir Markučič: NANOSTRUCTURED HARDMETALS CHARACTERISATION BASED ON ACOUSTIC PARAMETERS

Maria Grozdanić, Damir Markučič, Morana Mihaljević: ULTRASONIC VELOCITY MEASUREMENTS ON REFERENCE HARDNESS BLOCKS

15.00-15.30 h	COFFEE BREAK	Momenti Lobby

9.00-17.00 EXHIBITION Momenti Lobby



DAY 2 - FRIDAY 11.10.2019.

TIME / EVENT / LOCATION

15.30-17.00 h

LECTURES

Momenti 2 HALL

Momenti 2

Vinko Šimunović, Marin Kurtela, Antonio Klasnić: INHIBIRANJE KOROZIJE ALUMINIJSKE LEGURE ADSORPCIJOM CERIJEVIH IONA

Krešimir Grilec, Suzana Jakovljević, Dražen Mezdić, Ivica Antolković: EROZIJA ČESTICAMA 3D TISKANOG PLA POLIMERA

Mateo Carević, Matija Pisk, Ivan Kumić: METHODS OF TESTING INNOVATIVE SURFACE ENGINEERING PROCESS TO INCREASE THE DURABILITY OF NODULAR CASTING

Alan Milonja, Božidar Matijević: UTJECAJ ADITIVA I UGLJIKOVIH NANOCIJEVI NA SPOSOBNOST OHLAĐIVANJA U SREDSTVU ZA GAŠENJE

Vedran Palfi, Ivan Kumić, Ivan Igrec, Tamara Aleksandrov Fabijanić: UTJECAJ KRIOGENOG HLAĐENJA NA MEHANIČKA SVOJSTVA TVRDOG METALA

Mateo Carević, Ivan Kumić, Božidar Matijević: INVESTIGATION OF HARD METALS' PACK-CEMENTATION ALUMINIZING POTENTIAL

20.00 h

GALA DINNER

Momenti 1 HALL

Participants are invited to visit the

EXHIBITION

at Momenti Lobby

NACE International

Trokuttest d.o.o.

MESA Electronic GmbH

IDEF d.o.o.

EcoCortec CorteCros d.o.o.

EDC d.o.o. - Olympus

Instrumentacija ELI-MP d.o.o.

Anton Paar

Eurotehnika Ltd.

IRT3000

Tech

INTERNATIONAL CONFERENCE ON MATERIALS

corrosion, heat treatment, testing and tribology, 2019

INVITED LECTURERS





Terry Greenfield is the current president of NACE International (2019-2020) and a Principal Consultant with CONSULEX. Mr. Greenfield has over 40 years of experience in the corrosion and protective coatings industry, providing program and project management, failure analysis & expert witness, quality assurance, corrosion condition assessment & maintenance planning, specification development, and training for the Marine, Transportation, Pipeline, Oil & Gas, and other industries and is extensively published.

Mr. Greenfield is graduate of the University of Central Florida. He holds certification as a NACE Level III Coating Inspector with Bridge, Marine and Nuclear Specialties, Offshore and Shipboard Corrosion Assessment Certifications as well as being a SSPC Certified Protective Coatings Specialist. He has been an instructor for NACE International since 1997 for the Coating Inspector Program and Corrosion Assessment Programs. Mr. Greenfield was one of the primary authors of the NACE International Offshore Corrosion Assessment Training and Shipboard Corrosion Assessment Training courses as well as the CIP2 Marine course. Mr. Greenfield has been active within NACE International serving on various committees and task groups, including Past Chairman of the CIP Sub-Committee and Past Chairman of STG-04, Coatings and Linings, Protective: Surface Preparation. He also served as the NACE International Delegate to the IMO (International Maritime Organization).





Professor Dragutin Lisjak received his doctorate at the Faculty of Mechanical Engineering and Naval Architecture In Zagreb at the Department of Materials with the topic "Application of Artificial Intelligence Method in materials selection". For many years he has been dealing with materials selection problems and Material databases. He was a leader and participant in several scientific Projects related to the mentioned issue. Current areas of his interest are machine learning methods, evolutionary algorithms, multi-criteria decision-making and optimization business processes.

Dr. rer. nat. Johann Wilhelm Erning



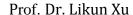
Works at Bundesanstalt für Materialforschung und –prüfung (BAM), Berlin, Germany. Studied Chemistry in Cologne and Bonn. Worked for the research centre Jülich from 1993 – 1996. Worked as post-doc at South Westphalia University of Applied Sciences from 1996-1998. Currently working at Bundesanstalt für 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...





corrosion, heat treatment, testing and tribology, 2019

INVITED LECTURERS





Likun Xu got his Ph.D. degree in Applied Chemistry from Tianjin University in 2006, and M.Sc. degree in Materials Science and Engineering from Harbin Institute of Technology in 1989. He had been a visiting scholar in UMIST Corrosion and Protection Centre, UK during 2001-2002. He is now the vice director and senior research fellow of State Key Laboratory for Marine Corrosion and Protection, Luoyang Ship Material Research Institute. His research interest covers marine corrosion, coatings, electrochemical protection and corrosion monitoring. He has published over 130 peer-reviewed articles and a book on corrosion protection of marine structures. He was the President of Shandong Society for Corrosion and Protection (2014-2018). He is now the Council Member of Chinese Society for Corrosion and Protection, the Member of Scientific Committee of China Surface Engineering Association and the Member of Scientific Committee of China Shipbuilding Industry Corporation. He is also a SAC expert in ISO TC 156 Corrosion of Metals and Alloys, and has served as project leader of three ISO standards.

Prof. Dr. Bojan Podgornik



Bojan Podgornik received his PhD at the University of Ljubljana, Faculty of Mechanical Engineering from the field of Tribology and Hard coatings application. In 2001 and 2002 he was guest researcher at Uppsala University, Sweden. From 2002 to 2011 he was employed as a researcher and associate professor at the University of Ljubljana, Faculty of Mechanical Engineering. He had lectures at undergraduate and postgraduate level in Power Transmissions and Contact Mechanics. From 2011 he is a head of Metallic Materials and Technology at the Institute of Metals and Technology. At the same time he gives lectures at the University of Ljubljana, Faculty of Mechanical Engineering, University of Nova Gorica and at the Swedish PhD Research School in Tribology, Uppsala. He is a member of editorial boards in several scientific journals, guest editor of special journal issues and books in the field of materials and tribology, organizer and member of organizing and scientif committees for national and international conferences. He was also coordinator of several workgroups within international projects. He has published several book chapters, over 100 journal papers (h-index = 24), over 180 conference papers with 30 being invited talks, and over 200 expertises. He was supervisor for five PhD students, M.Sc. and specialization work as well as for eight B.Sc. students.



corrosion, heat treatment, testing and tribology, 2019

WORKSHOPS

More details available at: mtech.com.hr

WORKSHOP 1

NACE TRAINING COURSE "COATINGS"

co-organized by Croatian Society for Materials Protection
Lecturer: **D. Terry Greenfield**, current president of NACE International (2019-2020)
Application and information on email: ivan.stojanovic@fsb.hr

WORKSHOP 2

ISPUNJENJE TEHNIČKIH ZAHTJEVA ISPITNIH NDT NORMI

Organizator: Hrvatski centar za nerazorna ispitivanaja – CeNI Teme: Ultrazvučno ispitivanje; Zacrnjenje radiograma Praktičan rad s opremom na priređenim uzorcima Kontakt i slanje prijava: damir.markucic@fsb.hr

WORKSHOP 3

POSEBNOSTI TOPLINSKE OBRADE ALATNIH ČELIKA I INŽENJERSTVO POVRŠINA U IZRADI ALATA

Organizator: Hrvatsko društvo za toplinsku obradu – HDTOIP Teme: Posebnosti toplinske obrade alatnih čelika; Primjena postupaka modificiranja i prevlačenja u izradi alata Kontakt i slanje prijava: <u>ivan.kumic@fsb.hr</u>

WORKSHOP 4

NOVOSTI U PODRUČJU ISPITIVANJA MEHANIČKIH SVOJSTAVA MATERIJALA I UMJERAVANJA OPREME

Organizator: Hrvatsko društvo za materijale i tribologiju – HDMT Teme: Novosti u normama vezanim uz mehanička ispitivanja materijala; Praktični dio radionice – ispitivanje tvrdoće; Okrugli stol: tehnički zahtjevi za ispitne laboratorije (osoblje i oprema), iskustva ocjenitelja, međulaboratorijske usporedbe

Prijava za seminar putem e-mail adrese: zeljko.alar@fsb.hr i matija.sakoman@fsb.hr

Tech

INTERNATIONAL CONFERENCE ON MATERIALS

corrosion, heat treatment, testing and tribology, 2019

OFFICIAL LANGUAGES:

Official languages of the Conference are Croatian and English.

CONFERENCE BADGE:

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.

COFFEE BREAKS:

Coffee breaks will be served at the Momenti Hall Lobby according to the program timetable.

DURATION OF PRESENTATION:

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.

POSTER PRESENTATION:

Posters will be exhibited in the conference Momenti 2 Hall.

All authors participating at MTECH 2019 with posters have to print posters and bring them to the conference. The Conference Secretariat will provide tapes to fix posters. Poster size should be 70 cm \times 100 cm (that is width x height; portrait format). Organizing Committee is unfortunately not able to offer a Poster Printing Service.

REGISTRATION:

All participants at MTECH 2019 have to register via mtech.com.hr/?page_id=513&lang=en.

CONFERENCE WELCOME DRINK:

Date and time: Wednesday, 9th October, 21:00

Venue: Valamar Collection Isabella Island Resort 4*/5*

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

CONFERENCE GALA DINNER:

Date and time: Friday, 11th October, 20:00

Venue: Valamar Collection Isabella Island Resort 4*/5*

The Organizers welcome all participants to spend a charming evening on the terrace and in the Momenti Hall. The unique location, excellent cuisine, professional service and special care for details, make the Valamar Collection Isabella Island Resort an ideal place for the conference banquet. Discover the romantic ambience and variety of uniques flavors which charm even the most discerning guests!

Accompanying person fee: 50€

Dress code: Formal