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PROFESSIONAL AND SUPPORTING PROGRAMME

PROGRAMME OF EVENTS

9 April 2024, TUESDAY

CONGRESS HALL

10:00-10:30	Official opening of the fairs BIAM&WELDING
10:30-10:45	Opening of the Welding Coordinators seminar
10:45-11:30	Prof. I. Garašić, PhD, MEng ME, CIWE, FSB-ZK Review and Analysis of Changes in a Number of Norms HRN EN 15085 - 1 to 6: 2023 – Railway applications – Welding of railway vehicles and components
11:30-12:00	Prof. Z. Kožuh, PhD, MEng ME, CIWE, FSB-ZK International Welding Inspector Personnel (IWIP) Specialization according to IAB-041R5-19-IWIP document, May 2025
12:00-12:45	Coffee break
12:45-13:15	I. Belan, Eng. EE, Južni prolaz d.o.o. Advanced Serial Production of LNG Tanks to Operate on Cryogenic Temperatures
13:15-13:45	T. Ezgeta, MSc ME, IWE, Cromatec d.o.o. Narrow Groove Welding Technology for the Wagon Front (by using WISE PENETRATION AND WISE FUSION PROCESS)
13:45-14:45	Z. Skočić, MEng ME, IWE, TPK-Zavod d.o.o. Welding Coordinators and Regulations for Manufacturing Equipment Under Pressure

14:15-14:30	Final discussion
14:30-16:00	Working lunch
16:00	Visit to the fairs BIAM & WELDING
Seminar organizers:	CROATIAN SOCIETY FOR MATERIALS PROTECTION CHAIR OF WELDED STRUCTURES AT THE FACULTY OF MECHANICAL ENGINEERING AND NAVAL ARCHITECTURE

10 April 2024, WEDNESDAY

CRES HALL

26th INTERNATIONAL SYMPOSIUM ON MATERIAL PROTECTION AND
INDUSTRIAL FINISHING
"CORRMAT 2024"

09:00-09:15	Opening of the Symposium Introductory word, marking 70 years of continuous operation of the Croatian Society for Materials Protection
09:15-09:40	I. Juraga: "Significance of the Croatian Society for Materials Protection in Education about Corrosion and Material Protection, Knowledge Transfer and Connection with Universities in the Republic of Croatia", Faculty of Mechanical Engineering and Naval Architecture Zagreb
09:40-10:25	Claus Qvist Jessen (online): "Surface Treatment of Stainless Steel – Mechanical and Chemical", Damstahl A/S, Denmark
10:25-10:40	T. Borko, G. Pustaj Bilić: "Synergistic Effect of Imidazoline Based on Oleic Acid and CeCl ₃ on Inhibition of CO ₂ Corrosion of Carbon Steel", INA d.d., Faculty of Mining, Geology and Petroleum Engineering Zagreb
10:40-10:55	L. Janković, M. Mrđa, Ruth Eva Jensch, B. Miketić: "Stainless Steels in the Transformer Industry for Offshore/Inshore Conditions", Končar – Power Transformers Ltd Zagreb
10:55-11:25	Coffee break
11:25-11:50	Johann Wilhelm Erning (online): "Stress Corrosion of Brass", Bundesanstalt für Materialforschung und -prüfung BAM, Germany
11:50-12:05	H. O. Čurković: "Bronze Sculptures Exposed to Urban Atmosphere in Zagreb and Sisak – Corrosion Resistance and Patina Composition", Faculty of Chemical Engineering and Technology Zagreb

- 12:05-12:20 Š. Zukić, A. Norac-Kljajo, V. Alar, M. Kurtela, B. Mikšić: “Green Coating for Direct Metal Protection: Ecological Fight against Corrosion“, Cortec Corporation St. Paul, Cortec Corporation Zagreb, Faculty of Mechanical Engineering and Naval Architecture Zagreb
- 12:20-12:35 K. Kekez: “Cathodic Protection of the Abutments of the Pelješac Bridge – In-Depth Analysis of the System“, PA-EL d.o.o. Veliko Trgovišće
- 12:35-12:50 S. Radimiri: “Rehabilitation of Anti-Corrosion Protection on SIOT Pier Piles in Trieste“, Feromihin d.o.o.
- 12:50-13:35 Lunch break
- 13:35-13:50 Abdelkader Oulhadj: “Corrosion Problems in the Terrestrial Transmission Network of Oil and Gas Pipelines“, MCTech, Algeria
- 13:50-14:05 M. Samardžija, F. Kapor, V. Alar, M. Kurtela, I. Stojanović: “Epoxy Coatings Testing Methods“, Faculty of Mining, Geology and Petroleum Engineering Zagreb, Faculty of Mechanical Engineering and Naval Architecture Zagreb
- 14:05-14:50 D. Juraj, I. Stojanović: “Technical Regulations for Construction Products, CE Marking, Technical Product Evaluation System in the EU, Declaration of Conformity“, HDZaMa, Faculty of Mechanical Engineering and Naval Architecture Zagreb
- 14:50-15:20 Coffee break
- 15:20-15:35 A. Poropat, I. Stojanović: “Analysis of Effectiveness of Phosphate and Zirconium Conversion Coatings in Corrosion Protection of Cross Spot Welds“, Feroplast d.o.o., Faculty of Mechanical Engineering and Naval Architecture Zagreb
- 15:35-15:50 M. Frajzman, I. Garašić, P. Kapudija: “Analysis of the Influence of the Type of Shielding Gas on Weld Properties during MAG-P Welding of Duplex Steel“, Faculty of Mechanical Engineering and Naval Architecture Zagreb
- 15:50-16:05 T. Vidović, Z. Klobas: “Duplex Protection System for Transmission Poles“, Chromos - Svjetlost d.o.o., HOPS PRP Rijeka
- 16:05-16:20 B. Jakopović: “Challenges in Protecting Transformers from Corrosion“, Končar D&ST Zagreb
- 16:20-16:35 D. Turjanski, S. Jakovljević, D. Lisjak, D. Glavina: “Interaction of Glass-Ionomer Dental Materials and Hard Dental Tissues: SEM/EDS Analysis“, Faculty of Mechanical Engineering and Naval Architecture Zagreb

16:35-16:50 D. Landek, F. Žanetić, J. Cerovečki, L. Mađerić: "Increasing Resistance of Microabrasion and Corrosion by Boronizing Austenitic Stainless Steel"
Faculty of Mechanical Engineering and Naval Architecture Zagreb

16:50-17:00 Symposium closing

17:00 **Professionals visit the fairs BIAM & WELDING**

Organizer and holder: CROATIAN SOCIETY FOR MATERIALS PROTECTION
FACULTY OF MECHANICAL ENGINEERING AND NAVAL
ARCHITECTURE

INDUSTRIAL INCUBATOR – PAV. 11A

9 April 2024, Tuesday

11:00 Presentation: "EFRR Loans", Sabina Cvitan, Small and Medium Entrepreneurs Department Head, Financial Instruments Sector, Anita Knežević Rašin, Analyst at Financial Instruments Sector,
Organizer: Croatian Agency for SMEs, Innovation and Investments

10 April 2024, Wednesday

11:00-11:30 Lecture: "Modernization of Educational Programmes – Adult Education in Mechanical Engineering", lecturer: Vanja Husein, BEng ME, Expert Associate at Education Department,
Organizer: [Craft College – Institution for Adult Education](#), Zagreb

12:00-12:45 Lecture: "3D Scanning – Example of Good Practice in Industrial Application", lecturer: Mario Šercer, PhD, Director of the Center for the Development of the Metal-Processing – Metal Centre Čakovec,
Organizer: Metal Centre Čakovec

13:00-13:45 Lecture: "3D Printing of High Performance Metals and Plastics in Theory and Practice", lecturer: Mario Šercer, PhD, Director of the Center for the Development of the Metal-Processing – Metal Centre Čakovec,
Organizer: Metal Centre Čakovec

13:45-14:30 Lecture: "EIT Manufacturing – The Largest Manufacturing Innovation Community in Europe: Opportunities for Croatia's Manufacturing Companies", lecturer: Andreas Gams, Senior Business Creation Manager, EIT Manufacturing East,
Organizer: Faculty of Machine Engineering and Naval Architecture, EIT Manufacturing HUB Croatia (language: English)

11 April 2024, Thursday

- 11:00-11:30** Lecture: "Strengthening Additive Manufacturing and Attracting Investments at the EU Level – Project Optimization of Production Using 3D Printing Techniques (3DoP)", lecturer: Daniel Đuranović, MSc EE, Technology Lab and Production Incubator Coordinator, Organizer: Rijeka Development Agency PORIN d.o.o.
- 12:00-12:20** Lecture: "Application of 3D Scanning and Metrology in the Cultural and Creative Sector", lecturer: Daniel Đuranović, MSc EE, Technology Lab and Production Incubator Coordinator, Organizer: Rijeka Development Agency PORIN d.o.o.
- 12:30-12:50** Lecture: "Making Molds and Cores from Sand", lecturer: Daniel Đuranović, MSc EE, Technology Lab and Production Incubator Coordinator, Organizer: Rijeka Development Agency PORIN d.o.o.
- 13:00-13:30** Lecture: "Industry 4.0 Development Projects through Education, Development and Innovation", lecturer: Assist. Prof. Miro Hegedić, PhD, Assist. Prof. Davor Kolar, PhD, Faculty of Mechanical Engineering and Naval Architecture, Organizer: Faculty of Mechanical Engineering and Naval Architecture, EIT Manufacturing HUB Croatia

12 April 2024, Friday

- 11:00-11:45** Lecture: „EIT Manufacturing HUB Croatia: The Importance of Building an Innovation Ecosystem in Production“, lecturer: Assist.Prof. Mario Hegedić, PhD, Programme Coordinator at EIT Manufacturing HUB Croatia
Organizer: Faculty of Mechanical Engineering and Naval Architecture, EIT Manufacturing HUB Croatia
- 12:00-12:45** Presentation: "Rapid Prototype Development Using 3D Technology - Examples of Good Practice", lecturer: Mario Čačić, Head of the Hardware Lab at BIOS
Organizer: Business Incubator BIOS Ltd
- 13:00-13:30** Lecture: „Technology Transfer as a Basis for Cooperation between Scientific Institutions and Manufacturing Companies“, lecturer: Tamara Aleksandrov Fabijanić, PhD, Director at Center of Technology Transfer,
Organizer: Faculty of Mechanical Engineering and Naval Architecture, EIT Manufacturing HUB Croatia

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