

Final Workshop program of M-era.NET project



Location: IPF Dresden, Hohe Str. 6, 01069 Dresden, Germany, Conference room

Tuesday, 20 May 2025

10.00 – 10.30	Arrival and coffee
10.45 - 11.15	Opening and Introduction of the "InsBIOration" project and members <i>Dr. Cordelia Zimmerer, IPF Dresden, Germany</i>
11.15 - 11.45	Synthesis of new analogues of dopamine and their polymers <i>Prof. Jürgen Liebscher, National Institute for Research and Development of Isotopic and Molecular Technologies Cluj-Napoca, Romania</i>
11.45 - 12.15	Pure metallic layers for bioelectronics and biosensing <i>Dr. Konstantin Livanov, OreITech GmbH, Germany</i>
12.15 - 12.45	Polyphenol Synthesis and their Application: 1) Cathodes in Organic batteries, 2) Anti-pathogenic Surfaces and 3) Metallization of Plastics <i>Dr. Klemen Pirnat, Department of Materials Chemistry, National Institute of Chemistry, Slovenia</i>
12.45 - 13.45	Lunch break
13.45 - 14.15	Polydopamine Film Formation: A Perspective on Research at UTU <i>Dr. Mikko Salomäki, University of Turku, Finland</i>
14.15 - 14.45	Electrotriggered self-construction of polymeric films: new concept and application <i>Prof. Fouzia Boulmedais, Université de Strasbourg, Institute Charles Sadron, France</i>
14.45 - 15.30	Coffee break – Poster session

Wednesday, 21 May 2025

09.10 - 09.30	Fabrication and characterization of thin polydopamine films for energy storage applications <i>Majid Al-waeel, University of Turku, Finland</i>
09.30 - 10.00	Recycling of Polymer Composites by Depolymerisation of the Interface <i>Dr. Frank Simon, IPF Dresden, Germany</i>
10.00 - 10.20	Bio-inspired polymer metallisation with the adhesion promoter dopamine and analogue <i>Ronja Bodesheimer, IPF Dresden, Germany</i>
10.20 - 11.00	Coffee break, Poster discussions
11.00 - 11.20	Plasma & Corona - How, When, Where? <i>Hans Christian Madsen, Tantec Vertrieb GmbH, Germany</i>
11.20 - 11.40	Insights into recent developments in combined infrared absorption spectroscopy methods for the analysis of ultrathin polydopamine layers <i>Elisabet Hauschild, IPF Dresden, Germany</i>
11.40 - 12.00	Environmentally friendly processes by reducing VOC and CO₂ using Atmospheric Pressure Plasma <i>Dr. Alexander Knospe, Plasmamatreat GmbH, Germany</i>
12.00 - 13.00	Lunch break, Poster discussions
13.00 - 14.20	Surface Treatment of metal surfaces for various branches <i>Dr. Ilya Ostrovsky, BASF Chemetall GmbH, Germany</i>
14.20 - 14.40	Zeta potential measurements – a sensitive technique for the identification of functional groups on polymer surfaces <i>Dr. Astrid Drechsler, IPF Dresden, Germany</i>



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