

TransFerr-FunCoat joint workshop
University of Aveiro, Portugal

Measurement techniques for studying functional nanomaterials
July 9, 2019

9:00 -9:15	<p>Opening Session – Welcome and general info about MSCA-RISE action and FUNCOAT project overview</p> <p><i>Dr. Maria Serdechnova (Helmholtz Zentrum Geesthacht, Germany)</i></p>
9:15 -9:30	<p>TransFerr project overview</p> <p><i>Dr. Andrei Kholkin (CICECO & University of Aveiro, Portugal)</i></p>
9:30 -10:00	<p>Keynote talk Near-field microwave microscopy in applications to ferroelectrics and in-situ imaging in liquid electrolytes</p> <p><i>Dr. Alexander Tselev (CICECO & University of Aveiro, Portugal)</i></p>
10:00-10:20	<p>Coffee break</p>
10:20-11:00	<p>Keynote talk Development and design of novel multifunctional PEO coatings</p> <p><i>Dr. Carsten Blawert (Helmholtz Zentrum Geesthacht, Germany)</i></p>
11:00-11:30	<p>Lecture “Measurements of local electronic and ionic transport by scanning probe microscopy”</p> <p><i>Dr. Denis Alikin (University of Aveiro, Portugal)</i></p>

11:30-12:00	<p>Lecture “Use of functionalized coatings for environmental protection”</p> <p><i>Prof. Rastko Vasilic (University of Belgrad, Serbia)</i></p>
12:00-12:30	<p>Lecture “Structural research by photons and neutrons with focus on nano-resolution of P03 beamline”</p> <p><i>Dr. Vasyl Haramus (Helmholtz Zentrum Geesthacht, Germany)</i></p>
12:30-14:00	Lunch
14:00-14:30	<p>Lecture: “Local characterization: Kelvin probe, localized corrosion characterization, role of inhibitors”</p> <p><i>Dr. Kiryl Yasakau (University of Aveiro, Portugal)</i></p>
14:30-15:00	<p>Lecture: “Magnetic and crystal structure phase transitions in multiferroics”</p> <p><i>Dr. Dmitry Karpinsky (SPMRC, Minsk, Belarus)</i></p>
15:00-18:00	Practical session/training AFM, PFM, etc.
19:00-21:00	Working dinner