

Webinar of the European Society of Ionic Matter | Spectroscopy of Ionic Liquids



Tuesday 15 March 2022 - Wednesday 16 March 2022

Zoom Virtual Room

Scientific Programme

Tuesday, March 15

10:00 - 10:15 Opening remarks **Luis Varela**, president of the European Society on Ionic Matter

10:15 - 11:00 "Refractive index spectroscopy of ionic liquids: experiments and simulations" **Damian Rodriguez Fernandez**, University of Santiago de Compostella

11:00 - 11:45 "Arrhenian Temperature Dependence of the Computational Dielectric Spectra of Ionic Liquids" **András Szabadi**, University of Vienna

11:45 - 13:00 Lunch Break

13:00 - 13:45 "Modeling Spectral Signals of Molecular Systems Dissolved in Deep Eutectic Solvents" **Chira Sepali**, Scuola Normale superiore Pisa

13:45 - 14:30 "When Like-charged Ions Attract: The Influence of Hydroxyl Defects on the Size and Distribution of Cation Clusters in Ionic Liquids" **Johanna Busch**, University of Rostock

14:30 - 14:45 Break

14:45 - 15:30 "Transport mechanisms in stoichiometric and non-stoichiometric protic ionic liquids" **Maleen Middendorf**, University of Münster

15:30 - 16:15 "Charge Carrier Dynamics in Protic Ionic Liquids" **Johannes Sutter**, MPI for Polymer Research, Mainz

16:15 - 17:00 Spectroscopy of ionic liquids: insights from computer simulations, **Alejandro Rivera-Pousa**, University of Santiago de Compostella

Wednesday, March 16

10:00 - 10:15

10:15 - 11:00 "Chirality transfer and enantiomeric recognition in chiral ionic liquids: Spectroscopic insights" **Jan Blasius**, University of Bonn

11:00 - 11:45 "The fragmentation of intermolecular interactions in a carboxyl-functionalized ionic liquid and its molecular mimic - Quantification of hydrogen bond strength" **Lasse Hunger**, University of Rostock

11:45 - 13:00 Lunch Break

13:00 - 13:45 "NMR investigations on protic ionic liquids for electrolytes applications" **Giselle de Araujo Lima e Souza**, Politecnico di Milano

13:45 - 14:30 Drug diffusion in eutectogels: an NMR study, **Valeria Vanoli**, Politecnico di Milano

14:30 - 14:45 Closing remarks **Andrea Mele** and **Christian Schröder**