

CERE - SEMINAR

Thursday 25 April 2024

09:15 to 10:30 a.m.

Building 229, Room 003

(Light breakfast is served from 9:00, please bring your own coffee/tea)

Online from link in calendar invitation

“Five messages from the ERC project: “New Paradigm in Electrolyte Thermodynamics”

By

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Abstract

This presentation will summarize some of the major results, in form of five messages, of this ERC project that has as overall target to arrive at a fundamental understanding of electrolyte thermodynamics and thus enable the engineering of a new generation of useful, physically sound models for electrolyte solutions. These models should be general and applicable to a wide range of conditions so that they can be potentially used for many applications. The aim is both to achieve a fundamental understanding of electrolyte thermodynamics but also ensure contact with stakeholders (industry, etc) where electrolyte thermodynamics is expected to be relevant and useful. The ambition is to make advances, which can clarify major questions and misunderstandings in electrolyte thermodynamics, and create a new paradigm that will ultimately pave the way for the development of new engineering models for electrolyte solutions. The behavior of electrolyte solutions is expected to be affected by the major solvent present, water, and thus the accurate description of water properties is also of paramount importance in electrolyte thermodynamics.

Acknowledgement

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