



RCAST SEMINAR ANNOUNCEMENT

Guido Sonnemann

Professor in Sustainable Chemistry, University of Bordeaux, France
Head of the Life Cycle Group (CyVi), Institute of Molecular Sciences (ISM)
Coordinator of the International Master Program in Advanced Materials Innovative
Recycling (AMIR), UF Chimie
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“Life Cycle Assessment for Sustainable Chemistry Innovation”



Guido SONNEMANN
Professor, University of Bordeaux (France)



15:15PM



7 Nov



3rd Building, floor M2, seminar room



RCAST SEMINAR ANNOUNCEMENT

Senol Oez

CEO, SOLAVENI GmbH (Germany)

“Advancing Sustainable Perovskite Photovoltaics through Innovative Green Halide Chemistry and Life Cycle Assessment”



Dr. Senol Oez
CEO, SOLAVENI
GmbH (Germany)

Abstract:

Solaveni, a Germany-based company, has pioneered the sustainable synthesis of perovskite precursors through innovative green halide chemistry. This presentation will highlight the benefits of these novel synthesis routes for organic alkylammonium halides and metal halides, evaluated through a life cycle assessment (LCA) and benchmarked against conventional production methods. The LCA examines the environmental impacts of these precursor materials—assessing resource consumption, energy usage, and emissions—to provide critical insights into their sustainability profiles and ecological footprints. Furthermore, we will introduce novel green recycling approaches for perovskite materials that enable rapid dissolution and recovery, laying the foundation for a circular economy.



15:15PM



7 NOV



3rd Building, floor M2, seminar room