

Chemistry for New Frontiers

257th National Meeting & Exposition

March 31 - April 4, 2019

Orlando, FL

CELL Division: Call for Abstracts

Nanocellulose: from fundamentals to function

Nanocelluloses such as cellulose nanofibrils (CNFs) and cellulose nanocrystals (CNCs) have become an important class of renewable nanomaterials that have the potential to enhance existing materials/products and open new classes of hybrid functional materials. Developing a thorough understanding of particle behaviour and surface chemistry is critical to fully optimize and exploit their use as rheological modifiers, emulsion stabilizers, catalytic supports and reinforcing agents, amongst others. This symposium aims to bridge the gap between fundamental research and nanocellulose applications by highlighting how a fundamental understanding and thorough characterization can lead to significant advancements in the use of nanocelluloses in functional materials. Characterization of CNFs and CNCs as well as their use in the preparation of novel nanomaterials will be highlighted with a strong focus on the links between nanocellulose properties and applications. **(25 min)**

Abstract submission will open August 20, 2018 and close on October 29, 2018

For more information, please do not hesitate to contact symposium organizers:

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