ICReDD International Seminar Series

Prof. Andrey Moores (McGill University, Canada)

Solvent-free pathways to added-value materials: Nanoparticles and biopolymers as case-studies

Place: Hokkaido University, ICReDD building
ICReDD Hall A

Time: Wednesday, 22 May 2024
16:30-18:00

Abstract: Mechanochemistry is becoming an established method for the sustainable, solid-phase synthesis of nanomaterials and molecules. We have explored the mechanism of NPs growth in the solid state, by studying Au NP synthesis through mechanochemistry and aging. We have also explored phase-field theory as a way to rationalize the role of mechanochemistry in nanoparticle growth. We have also turned to biopolymers, especially chitin and chitosan as great models to study the powers of mechanochemistry and aging.

A seminar organized by the
Ito Group (WPI-ICReDD, Hokkaido University)