

Speaker: *Associate Professor Karin Odelius*

Title: *What about chemical recycling?*

Abstract:

Chemical recycling of plastics is at times considered a farfetched solution, yet for a selection of plastics it is likely the best course of action. The aliphatic polyesters and polycarbonates fall into this category, as they are synthesized via equilibrium reactions that can be pushed to form polymer or conversely monomer. Still, even though chemical recycling through ring-closing depolymerization sounds simple enough, challenges are plentiful when energy efficient routes leading to high purity and yield product is pursued. In this presentation, some of our suggested solutions to achieve just that will be discussed.