

ARC

Abstract:

**Chemical Recycling for the Production of Alternative Naphtha**, Gillian Tweddle (20 minutes)

Chemical recycling – in particular pyrolysis of waste plastics and/or tyres produces pyrolysis oil (PyOil). PyOil is one product which can be used to replace fossil based feedstocks in refinery and steam cracker operations.

This presentation will talk about PyOil as an “alternative naphtha” in the context of other alternative naphthas from bio-based feedstocks and from CO<sub>2</sub>, looking at some of the factors (chemical and regulatory) which differentiate PyOil from other alternative naphthas.

The presentation will look in overview at how and where in existing refinery and steam cracking systems PyOils are being introduced and give an indication of the scale of activity on projects for PyOil production which are expected to provide feedstock to refinery and steam cracking partner companies.