

Supramolecular Polymers – suitable materials for functional film formation

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This talk will describe recent studies on novel supramolecular polymers - their thermoreversible and tunable viscosity properties render these relatively low molecular weight materials as ideal candidates for use in healable surface coatings or within ink formulations for inkjet deposition.

The synthesis, characterisation of several new supramolecular polymer systems will be outlined in addition to the assessment of their physical characteristics.

The ability of these supramolecular materials to be inkjet printed successfully to realize either coloured substrates or 3D objects will be reported.

Background:

http://www.reading.ac.uk/web/FILES/chemistry/Prof_Wayne_Hayes.pdf