

**British Society of Rheology, Non-Newtonian Club “Rheology for Processing”**

**Thursday 19<sup>th</sup> September, 2019, University of Nottingham**

**AGENDA**

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9.20-9.30 WELCOME

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9.30-9.55am

**Nigel Clarke, University of Sheffield**

The interplay between polymer processing and polymer physics in nanocomposites

9.55-10.20am

**Ian Robinson,  
University of Durham**  
'Disecting Dieswell'

10.20-10.45am

**Helen Wilson, University College London**

The CORAL project: Modelling toothpaste

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10.45-11.10am COFFEE

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11.10-11.35am

**Peter van Puyvelde, KU Leuven**

Crystallinity Development during Fused Filament Fabrication through Fast Scanning Chip Calorimetry

11.35-12noon

**Patrick Anderson, TU Eindhoven**

The role of rheology in laser sintering of polymer particles

12.00-12.25pm

**Esther García-Tuñón, Univ. of Liverpool**

Rheology of printable soft materials for enhanced performance in 3D manufacturing

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12.25-1.35pm LUNCH + POSTERS

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1.35-2.00pm

**Dario Cavallo, University of Genoa**

In-situ optical detection of polymer crystallization during 3-D printing

2.00-2.25pm

**Azarmidokht Gholamipour-Shirazi,  
University of Birmingham**

Designing hydrocolloid based food-ink formulations for extrusion 3Dprinting

2.25-2.50pm

**Zuoxin Zhou, University of Nottingham**

Rheological Consideration for the Design and Development of 3D Printable Hydrogel

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2.50-3.15pm COFFEE

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3.15-3.40pm

**Richard Thompson, University of Durham**

Instability and interfacial segregation under flow

3.40-4.05pm

**Catherine Kelly, University of Birmingham**

Blending and degradation analysis of the heat sensitive biodegradable polymer poly(hydroxybutyrate-co-hydroxyvalerate)