

**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)