



Special Interest Group 10
Fluid Mechanics of Cleaning and Decontamination

2020 Winter Meeting

University of Bristol, 13th – 14th January 2020

Programme

Monday 13 January

12:00 Registration & lunch

Pugsley Lecture Theatre Foyer, Level 1, Queen's Building ([here](#))

13:30 Welcome by local & SIG organisers

Room 1.6, Queen's Building ([here](#))

13:45 Plenary talk + discussion

Ian Wilson

- Peter Fryer (University of Birmingham):
TBC

14:40 Contributed talks

Julien Landel

- Georgina Cuckston (University of Cambridge)
Methods for detailed study of detergent action in cleaning food soils
- Ian Wilson (University of Cambridge)
Development of an integrated fluid dynamic gauging device
- Vera Liebmann (TU Dresden)
Prediction of cleaning for adhesively detaching soils

15:45 Tea & Coffee

16:15 Contributed talks

Julien Landel

- Alex Lukyanov (University of Reading):
Hydraulic jump as it is seen in the thin film approximation: a numerical and analytical study case

16:40 Group Activity

Break-out group session (see participant list for group colour) with short presentations at the end by each group.

18:00 End day 1

~19:30 Join us for dinner!

Exact time and location TBC

Tuesday 14 January

8:45 Tea & Coffee *Pugsley Lecture Theatre Foyer, Queen's Building*

9:15 Contributed talks *Room 1.6, Queen's Building
Cameron Hall*

- Merlin Etzold (University of Cambridge):
Transpiration through hydrogels
- Steve Marriott (Dstl):
Real time Monitoring of Contamination within a Substrate
- Ian Wilson (University of Cambridge):
Dynamics of cleaning by impinging jets

10:20 Tea & Coffee

10:50 Contributed talks *Cameron Hall*

- Alex Jenkins (Sellafield Ltd)
What to Clean and Why?
- Nik Watson (University of Nottingham)
Factory Cleaning of the Future
- Discussion

12:00 ARFM Review and Future Activities *Julien and Ian*

12:30 Close and lunch *(Room available until 14:00)*

Local Organiser : Dr Cameron Hall, Department of Engineering Mathematics,
University of Bristol. E-mail cameron.hall@bristol.ac.uk. Tel 07722500534