



# Welcome to the 2018 Barrer Symposium on Separation Materials

**14 November 2018**

**Department of Chemical Engineering  
Imperial College London**

On behalf of the Barrer Centre, it is our great pleasure to welcome you to the 2018 Barrer Symposium on Separation Materials at Imperial College London. We will bring together researchers from academia and industry as well as users of modern separation techniques, and provide a forum for discussion on challenges and benefits, exchange of ideas and experiences, and exploration of possible collaborations.

The symposium will showcase invited talks by leading experts who will provide insight into emerging technologies and discuss novel solutions to important problems in pharmaceutical, environmental, and industrial research and development. There will also be a poster session with submitted contributions.

This symposium will provide an opportunity for newcomers to obtain a solid foundation in the field and others to update their knowledge on the latest technology and approaches.

There is a long-standing tradition for research and development of separation techniques and methods at Imperial College, and their applications in a range of areas including pharmaceuticals, oil and gas and others.

## Free registration - How to attend

We are pleased to offer free registration for all. Places are limited and will be offered first come first served. To register, please go to the Eventbrite event:

**Eventbrite ID 51332237103**  
**or search “Barrer Symposium”**

**Note: The Annual Lecture by Professor Cooper will be freely available to attend without pre-registration.**

For more information, please contact Angela Lonergan: [a.lonergan@imperial.ac.uk](mailto:a.lonergan@imperial.ac.uk)



Wednesday 14 November, 2018

Department of Chemical Engineering

12.00 Lunch, registration and poster session

13.15 Welcome remarks

Professor Andrew Livingston, Director of Barrer Centre

13.30 Flexibility, size effects and identifying the most promising materials:  
The role of molecular simulation in adsorption research

Professor Tina Düren, Department of Chemical Engineering, University of Bath

14.00 Recent developments of polymers of intrinsic microporosity

Professor Peter M. Budd, Professor of Polymer Chemistry, University of Manchester

14.30 Refreshments

14.50 Membrane development – a Pall perspective

Dr Richard Gutman, Corporate Vice President and Distinguished Fellow, Pall Corporation (Europe)

15.20 Barrer Centre research developments – Innovations and challenges

Presentations and discussion by Barrer Centre researchers on novel separations technologies

16.00 2018 Distinguished Barrer Lecture Lecture Theatre 1, Department of Chemical Engineering  
Designing Function in Porous Molecular Solids

Professor Andrew I. Cooper

Materials Innovation Factory & Leverhulme Research Centre for Functional Materials Design,  
University of Liverpool

17.00 Drinks reception

## Barrer Symposium Poster Session

All attendees are invited to submit a poster.  
Please send a title and short abstract to Angela Lonergan on  
[a.lonergan@imperial.ac.uk](mailto:a.lonergan@imperial.ac.uk) by **7th November 2018**.  
Posters should be A1 in size.