

# CSCT Newsletter

Issue 7, November 2018

## Autumn '18 editorial

By Lelia Bridgeland-Stephens



Welcome to a new edition of the CSCT Newsletter! Since the summer, we have lots of new faces - most importantly, we have a new cohort of PhD students (see Page 2) and a brand new Whorrod Research Fellow, Dr Alexander O'Malley, so welcome all!

We have a special announcement, which is that the University of Bath and Monash University in Australia have agreed to launch a joint PhD degree - more on this in the Newsfeed. Lastly, our **Summer Showcase 2019 registration page is now OPEN!**

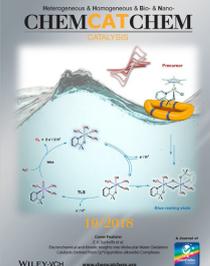
[Click here to register now!](#)

## CONGRATULATIONS!

A big welcome to our newest Whorrod Research Fellow, Dr Alexander O'Malley, who joined us in September 2018! The Whorrod Research Fellows are funded by an endowment to the CSCT from Roger and Sue Whorrod. Alexander says, **"My work studying how molecules behave in porous materials for use in catalysis all the way through to medicine has found the perfect home in the CSCT at University of Bath, and I really hope I can add a fresh skillset and outlook to this vibrant research environment"**.



Congratulations to CSCT student Emma Sackville and Whorrod Research Fellow Ulrich Hintermair for being featured on the cover of ChemCatChem for their publication on electrochemical and kinetic insights into Cp\*Ir(pyridine-alkoxide) molecular water oxidation. Ulrich was also recently featured on the 'Young Researcher Series'. [Click here for the interview.](#)



### Coming up...

- Nov** 27: I-SEE Seminar: People and energy – a relationship in transition
- Dec** 12: Winter graduation ceremony (Bath Assembly Rooms)
- Jan** 17: Seminar: Innovation and Growth in Sustainable Technology
- 28: DReaM Reaction Monitoring Symposium



## NEWSFEED

Oct '18



We are proud to announce that the University of Bath has signed an agreement with Monash University in Australia to establish a joint PhD degree. This will be the first joint research degree Bath has established with an international partner and reflects the University's commitment to internationalising doctoral provision. CSCT Director Prof Matthew Davidson said:

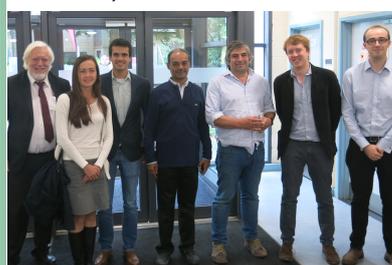
**"The world is changing at an unprecedented rate, with societies facing a complex range of global challenges. It is vital to train scientists and engineers to address these challenges within a global context and this new joint PhD will significantly enhance our efforts to do this. We have already discussed many exciting potential joint research projects with our partners at Monash and look forward to welcoming the first cohort of PhD students."**



The CSCT is now leading a **£4.8M consortium, in collaboration with Manchester University, to develop catalysts for sustainable manufacturing** and help promote a circular economy. At the moment, high density polyethylene products (e.g. plastic milk bottles) and polypropylene products (e.g. margarine tubs) cannot be recycled together. However, this project will attempt to find ways of chemically breaking down mixtures of plastics into their constituent molecules, which can then be used to manufacture new plastics or other high value products.

Sep '18

In September, the CSCT hosted Prof Selvam, from the Indian Institute of Technology (IIT), for a successful catalysis symposium. The symposium also welcomed four new early career researchers to Bath: Dr Matthew Grayson, Dr Elizaveta Suturina, Dr Simon Freakley and the CSCT's new Whorrod Research Fellow, Dr Alexander O'Malley. Prof Selvam commented:



**"It was nice to visit Bath and meet young researchers with so much enthusiasm... thank you all for your valuable time and wonderful discussions. I hope to continue our interaction in years to come."**



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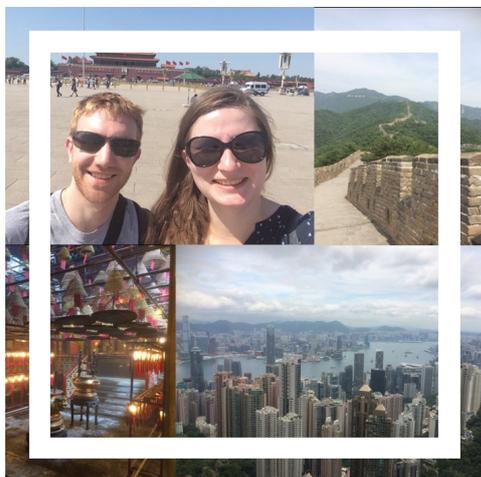
extracts from...

## '10 ways we made the most of a conference in China'

By Maria Weber and Carlos Lopez

**FEATURED  
BLOG**

"From 3 - 6 June 2018, we attended the Molecular Sensors and Molecular Logic Gates (MSMLG) 2018 conference in Dalian, China. Only one hour away by plane from Beijing, Dalian is a culturally diverse city by the Yellow Sea. **Getting to Dalian and experiencing it and China to the fullest was quite an adventure for us...** Maria's talk was within the Molecular therapy session and Carlos's talk in the Sensors/Logic Gates session."



"We were particularly pleased that all poster prizes were won by female researchers, since only a limited number of female academics presented at MSMLG"

"We took the opportunity to chat to a variety of researchers from **all over the world** including UK, USA, Turkey, Israel, Japan, China, Malta, Ireland, Australia, Singapore and many more."

"Dalian really surprised us as a city... it has a highly strategic position and acts as a gateway to China, Japan, and Korea. Historically, Dalian also used to belong to Russia and Japan with small communities still present today."



## MEET COHORT '18!

Find out more about our brand new 2018 cohort of sixteen EPSRC Centre for Doctoral Training students! Click here to find out about their inspirations, backgrounds and which one most resembles a marmite and cucumber sandwich...



## Alumni Reflections

More than 50 students have now graduated from the CSCT. Spread across the globe, these graduates continue to benefit from our vast and varied network long after they leave. Marking the 10th anniversary of the Centre, we asked our alumni "how CSCT impacted their career paths".

**Click here to find out what they said!**

