



# BIOCIDE TOOLBOX NEWSLETTER

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## INTERNATIONAL & NATIONAL SYMPOSIA



### ANTIMICROBIAL COATINGS: CAN WE OUTWIT A MILLENNIA OF EVOLUTION?

The ARC Centre of Excellence for Electromaterials Science invited Dr Sudip Ray to speak about Biocide ToolBox at a one day symposium on Antimicrobial coatings at the University of Wollongong. Lou Gommans, the BTB Business Development Manager also gave a talk.

The distinguished list included Prof Gordon Wallace, Associate Professor Michael Higgins, Dr Paul Molino (all from Wollongong), Professor Elena Ivanova (Swinburne), Professor Helmut Thissen (CSIRO) and Dr Mikael Larsson (South Australia).

Industry speakers included Roger Leigh (Cochlear Limited), Nicole Pi-

anegonda (BlueScope), Oscar Gregory (Steel Research Hub), Dr Pia Winberg (Venus Shell Systems) and John Lewis (ES Link Services).

The talks were focussed on new antimicrobial chemistries currently being explored with some defined commercial outcomes in sharp focus (eg microbial fouling-external roofing, sea going vessels, medical implants). Some excellent Industry and Commercial linkages were created through this one day Symposium.

BTB's participation created the founda-

tion for a future partnership between the University of Auckland and the University of Wollongong.



### PERC-BIOCIDE TOOLBOX SYMPOSIUM

On a more local note, students from Biocide Toolbox presented their projects to a number of scientists during the annual PERC (Polymer Electronics Research Centre) and Biocide ToolBox Symposium.



## SECOND INDUSTRIAL PHD

**CallaghanInnovation**

### Biochemistry of Biocides in Paints



THE LEVEL OF CURRENT PRESERVATIVES USED IN THE PAINT FORMULATION NEED TO BE REDUCED OR REPLACED BY ENVIRONMENTALLY FRIENDLY BIOCIDES

The Biocide Toolbox is recruiting its second industrial PhD student for a Callaghan industrial Research project. This fully funded PhD project will investigate the biochemistry of biocides in paints, and will be supervised by Dr Simon Swift (University of Auckland), and driven by an industry-partner, major international paint supplier.

The biocides currently used in horizontal and vertical paint surfaces or in

-can and dry film preservation to prevent the growth of bacteria, mildew and algae create unacceptable environmental impacts.

This project's goal is to identify EPA registered/registerable co-biocides:

>> working effectively in synergy with currently used preservatives

>> preferably allowing a reduction in the preservative level used in the paint formulation

More information available on

<http://www.biocidetoolbox.com/#!industrial-phd-2/c1k6z>

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