

LECTURE

prof. Delia Haynes

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University of Stellenbosch

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**VISITING
PROFESSOR
PROGRAMME**

will deliver a lecture titled:

Unusual methods of crystallisation: mechanochemistry and sublimation

DATE: Tuesday, 9 July 2019 | 14.30

VENUE: CNBCh UW, sem. room: 0.38

ABSTRACT:

Conventionally, crystals are grown using solvent-based methods such as slow evaporation or diffusion of an anti-solvent. There are, however, a number of lesser-known crystallisation methods. These can sometimes yield materials that are impossible to obtain in any other way. In this lecture, we will discuss the use of both mechanochemistry and sublimation to produce crystalline materials. Advantages and disadvantages of each method will be discussed, as well as practical considerations when using these techniques. An overview of some relevant literature and recent results in this area will also be presented.

Activity at Home University:



Prof Haynes' research focusses on crystal engineering with multi-component crystals. She has experience both with thiazyl radicals as building blocks for molecular materials, and with organic salts and co-crystals. Delia was a Fulbright Scholar at the University of California, Berkeley in 2010, a visiting professor at the University of Strasbourg in 2013, and was the 2015 recipient of the Jan Boeyens medal. She is a member of the Executive Committee of the European Crystallographic Association, and the chair of the Steering Committee for the African Crystallographic Association.



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