

Pro2Tech | TU Delft

Process & Product Technology Institute

Proudly presents the

JACOBUS VAN 'T HOFF LECTURE 2022

'Liquid processing of 2D materials for device applications: Making useful stuff using kitchen blenders and pencils'

by

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(Trinity College Dublin)



While graphene and related 2D materials are extremely exciting due to their novel properties and applications potential, producing them in large quantities and processing them into functional structures has been a challenge. However, solution processability has been achieved via the discovery of liquid phase exfoliation (LPE), a method for converting layered materials to nanosheets in liquids in a scalable way. This method yields printable inks which can be patterned into functional structures for a range of applications. This talk will describe the advent and development of LPE as well as processing and printing of nanosheets and the electronic and electrochemical applications of printed nanosheet networks and composites.

Date and venue

Thursday June 30, 2022

17:30 - 20:00h (CEST)

Aula Congresscentrum TU Delft and ONLINE

We will start with the lecture at 17:30h followed by the buffet from approximately 18.30h to 20.00h

The lecture is public and accessible for everyone

Registration

<https://www.aanmelder.nl/129423/subscribe>

Registration is required, deadline: 13-06-2022

For more information about Pro2Tech visit:

www.tudelft.nl/pro2tech



Jacobus van 't Hoff Lectures are named after Jacobus Henricus van 't Hoff, the first Nobel Prize winner in chemistry (1901) who obtained a degree of chemical technologist from Delft University of Technology in 1871. These annual lectures delivered by distinguished international speakers aim at a wide chemical and process engineering audience in the Netherlands and abroad. Member of the IEEE, and a Fellow of the American Institute for Medical and Biological Engineering and the American Association for the Advancement of Science.