

Bruker, in collaboration with the Tyndall National Institute, is pleased to invite you to an upcoming workshop dedicated to the latest advances in atomic force microscopy (AFM) and their application in materials science.

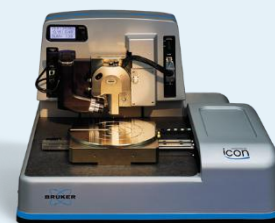
The atomic force microscope has become a true enabling platform for the visualization and probing of materials at the nanoscale. In addition to nanoscale topographical information the mapping of the respective mechanical, electrical and chemical properties has witnessed major technological breakthroughs over the past decade.

These include Bruker's unique Peak Force Tapping for mechanical, DataCube for electrical and AFM-IR for chemical property mapping at highest spatial resolutions, opening entire novel avenues for nanoscale materials research and development.

The goal of this workshop is to share the latest developments on novel techniques for studying micro and nano-mechanical, nano-electrical and nano-chemical properties of material sciences. This workshop will be valuable for scientists involved in material characterisation, examining nano, micro and macro mechanical testing, R&D, material development and characterisation.

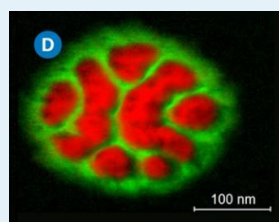
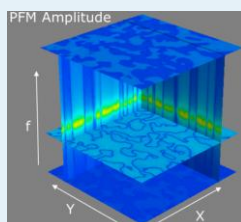
Tuesday 31st March

- 10:00** Welcome and Introduction – Dr Brendan Sheehan, Tyndall
- 10:15** AFM Characterisation of TMD flakes – Stephen O'Sullivan, Tyndall
- 10:30** Latest advancements in AFM – Dr Mickael Febvre, Bruker
- 11:15** Coffee break
- 11:30** From Surface to Statistics: Quantitative grain size analysis of MoS₂ thin films using Atomic Force Microscopy (AFM) – Aashi Gupta, Tyndall
- 11:50** Lab tours
- 12:30** Lunch Break
On-site canteen available
- 14:00** Practical demonstration: Dimension Icon AFM, various AFM modes



Wednesday 1st April

- 09:30** Practical demonstration:
Dimension Icon AFM, DataCube
Dr Mickael Febvre, Bruker
- 12:30** Coffee break
- 13:30** Practical demonstration
- 16:00** Wrap up



Workshop Location

Tyndall National Institute

University College Cork, Lee Maltings,
Dyke Parade, Cork, T12 R5CP
Room No: B0.17.



If you have questions, please contact
Alison Kelly, Alison.Kelly@bruker.com

Scan the QR code or [click here](#)
to register and save your space!

