UNIVERSITÀ DEGLI STUDI DI MILANO

ALMA MATER STUDIORUM UNIVERSITÀ DI BOLOGNA

nanosurf

Quantum Design ITALY

WORKSHOP

Drive AFM: Innovations and Future Trends in AFM Applications

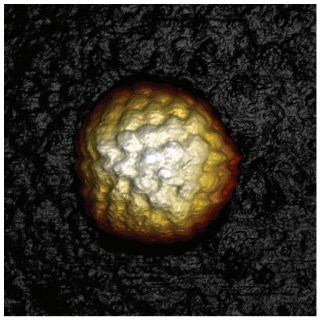
20 Giugno 2023 | Milano

22 Giugno 2023 | Bologna

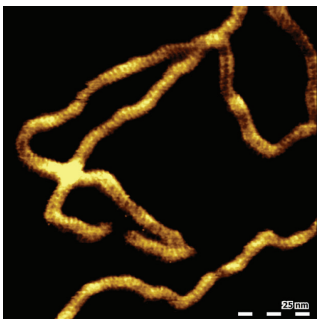
Quantum Design is pleased to invite you to explore our partner Nanosurf's new flagship AFM, the DriveAFM.

Come to hear about recent advances in AFM technology and learn about the newest state-of-the-art atomic force microscope on the market, complete with photothermal excitation and a fully motorized tip-scanning design that offers new modes for AFM users in all application spaces from life science to material science including biological materials such as cells, DNA, viruses, 2D materials, polymers, photovoltaics, and more.

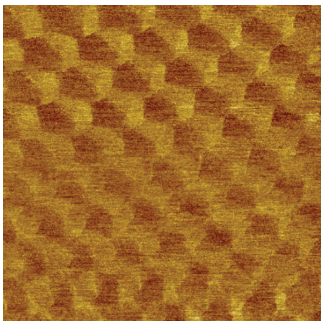
The workshop will include scientific talks and a live demonstration: we offer you the opportunity to bring your own sample of interest to be measured and discussed during the afternoon session. Please indicate in your registration if you would like to make use of this offer.



Virus capsid



dsDNA



Moiré super lattice of twisted graphene on hBN

La partecipazione è gratuita ma la registrazione è obbligatoria

Per registrarti clicca qui:

https://qd-europe.com/it/it/eventi/dettagli-dellevento/workshop-driveafm/

o scrivi una email a ramberti@qd-europe.com

WWW.QD-EUROPE.COM

Programma

Martedì 20 Giugno 2023 - Università degli Studi di Milano

UNIVERSITÀ DEGLI STUDI DI MILANO

Aula BS - Dipartimento di Biologia
Via Celoria 20, Milano

09:30 - 09:50	Registration
09:50 - 10:00	Welcome & Opening *Prof. Alessandro Podestà, Dip. di Fisica, Università degli Studi di Milano*
10:00 - 10:20	Introduction to Quantum Design and Nanosurf *Stefano Pergolini, Quantum Design* *Marco Portalupi, PhD, Nanosurf*
10:20 - 11:10	Innovations and application of the DriveAFM *Amelie Axt, Nanosurf*
11:10 - 11:30	*Coffee break*
11:30 - 11:45	Measuring biomechanical interactions in cells and tissues *Dr. Matteo Chighizola, Dip. di Fisica, Università degli Studi di Milano*
11:45 - 12:00	Surface Analysis of III/V semiconductor epilayers grown by Molecular Beam Epitaxy *Dr. Federico Cesura, Dip. di Scienza dei Materiali, Università degli Studi di Milano Bicocca*
12:00 - 13:00	Drive AFM System Live demo
13:00 - 14:30	*Lunch break*
14:30 - 16:30	Drive AFM System Live demo & Hands-on: bring your samples!

Giovedì 22 Giugno 2023 - Università degli Studi di Bologna

ALMA MATER STUDIORUM UNIVERSITÀ DI BOLOGNA

Aula Magna di Anatomia Comparata
Dipartimento BiGeA - Via Selmi 3, Bologna

09:30 - 09:50	Registration
09:50 - 10:00	Welcome & Opening *Prof. Giovanni Valdrè, Università degli Studi di Bologna*
10:00 - 10:20	Introduction to Quantum Design and Nanosurf *Stefano Pergolini, Quantum Design* *Marco Portalupi, PhD, Nanosurf*
10:20 - 11:10	Innovations and application of the DriveAFM *Amelie Axt, Nanosurf*
11:10 - 11:30	*Coffee break*
11:30 - 11:45	Mineral surface nanotechnology *Dr. Gianfranco Ulian, Dip. di Scienze Biologiche, Geologiche e Ambientali, Università degli Studi di Bologna*
11:45 - 12:00	UV nanosecond laser processing of semiconductor materials *Enrico Di Russo, PhD, Dip. di Fisica e Astronomia, Università degli Studi di Padova*
12:00 - 13:00	Drive AFM System Live demo
13:00 - 14:30	*Lunch break*
14:30 - 16:30	Drive AFM System Live demo & Hands-on: bring your samples!