

QUANTUM DESIGN MATERIALS CHARACTERISATION WORKSHOP

FROM BULK TO THE NANOSCALE

Tuesday 15th October, 2024 | Rutherford Appleton Laboratory

FOCUS TODAY: ELECTRICAL/MAGNETIC/THERMAL PROPERTIES

09:00 REGISTRATION AND COFFEE

09:30 WELCOME AND INTRODUCTION TO QUANTUM DESIGN
SHAYZ IKRAM - QUANTUM DESIGN UK AND IRELAND

09:35 WELCOME AND INTRODUCTION TO RUTHERFORD APPLETON
LABORATORY
GAVIN STENNING - RUTHERFORD APPLETON LABORATORY

09:40 INTRODUCTION TO THE MPMS3 - BASE SYSTEM AND OPTIONS
RANDY DUMAS - QUANTUM DESIGN USA

10:40 COFFEE

10:55 INTRODUCTION TO THE PPMS FAMILY-PPMS/DYNACOOOL/VERSALAB
• BASE SYSTEM OVERVIEW AND COMPARISONS
DARIUS CHOKSY - QUANTUM DESIGN USA

11:40 BREAK

11:55 ELECTRICAL MEASUREMENTS-DC/AC/VAN DER PAUW/LAKESHORE
M91/81
DARIUS CHOKSY - QUANTUM DESIGN USA

13:00 LUNCH / MINI-EXHIBITION / POSTER SESSION AND TOUR OF LAB

14:15 2D ELECTRON GAS IN GALLIUM NITRIDE: A NEW TESTBED FOR
MAGNETO-TRANSPORT
SAPTARSI GHOSH , SWANSEA UNIVERSITY

14:45 MAGNETIC MEASUREMENTS SQUID AND VSM
RANDY DUMAS - QUANTUM DESIGN USA

15:45 COFFEE

16:00 THERMAL MEASUREMENTS-DILATOMETRY
DARIUS CHOKSY - QUANTUM DESIGN USA

17:00 DISCUSSION AND CLOSE

Optional Lab Tours at lunchtime each day - please put your name on the list at registration. We will be running lab tours on both days and delegates will be split into groups. Please also use this opportunity to view our mini-exhibition where we will be showcasing some of the other low-temp instrumentation in our Cryogenics range



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Wednesday 16th October, 2024 | Rutherford Appleton Laboratory

FOCUS TODAY: SPECTROSCOPY AND MICROSCOPY

09:00 HOST TALK (TBC)

GAVIN STENNING, RUTHERFORD APPLETON LABORATORY

09:30 SERVICE TALK

JORDAN THOMPSON - QUANTUM DESIGN UK AND IRELAND

10:00 BROADBAND FMR

RANDY DUMAS - QUANTUM DESIGN USA

11:00 COFFEE

11:15 OPTICOOL BASE

DARIUS CHOKSY - QUANTUM DESIGN USA

12:15 OPTICOOL APPLICATIONS

DARIUS CHOKSY - QUANTUM DESIGN USA

12:45 LUNCH / TOUR / MINI EXHIBITION / POSTER SESSION

14:15 CORRELATED MICROSCOPY: AFSEM AND FUSIONSCOPE

RANDY DUMAS - QUANTUM DESIGN USA

14:45 BREAK

15:00 CORRELATED MICROSCOPY APPLICATIONS

RANDY DUMAS - QUANTUM DESIGN USA

15:30 DISCUSSION AND QUESTIONS (OPTIONAL)

16:00 CLOSE