Quantum Design
UK AND IRELAND

UNIVERSITY OF CAMBRIDGE

NanoMEGAS
Advanced Tools for electron diffraction

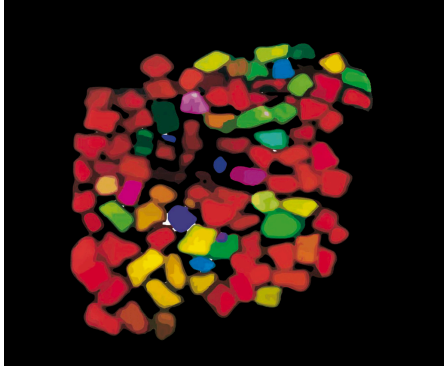
USER MEETING

Precession Utility in 4D-scanning Electron Diffraction Methods

JUNE 6, 2024
UNIVERSITY OF CAMBRIDGE

WWW.QD-UKI.CO.UK

AGENDA



10:30 WELCOME AND INTRODUCTION
SHAYZ IKRAM, QDUKI

10:35 NANOMEGAS: RECENT DEVELOPMENTS AND NEW TOOLS FOR PED APPLICATIONS
THANOS GALANIS, APPLICATION SPECIALIST, NANOMEGAS

11:15 ELASTIC STRAIN MEASUREMENT IN METALLURGIQUE SAMPLES
MURIEL VERON[1], EDGAR RAUCH[1], ARTHUR DESPRÈS[1], SALOMÉ PARENT[2], ANNE JOULAIN[2], CHRISTOPHE TROMAS[2], EDGAR RAUCH[2], ARTHUR DESPRÈS[2], SALOMÉ PARENT[2], ANNE JOULAIN[2] CHRISTOPHE TROMAS[2]
[1]SIMAP LABORATORY, GRENOBLE FRANCE
[2]INSTITUT PPRIME, POITIERS, FRANCE

11:45 COFFEE BREAK

12:00 APPLICATIONS OF MACHINE LEARNING TO PED DATA
DR ALEXANDER EGGEMAN, MANCHESTER UNIVERSITY

12:30 LINKING STRUCTURE TO PERFORMANCE IN HYBRID PEROVSKITES USING CORRELATIVE MULTIMODAL MICROSCOPY
THOMAS SELBY, CAMBRIDGE UNIVERSITY

13:00 CHARACTERISATION OF SEVERELY DEFORMED TRIBOLAYER BY HRTEM COUPLED WITH PRECESSION ELECTRON DIFFRACTION
DR JIAHUI QI

13:30 DISCUSSION AND CLOSE