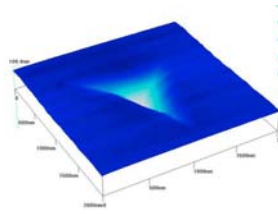


Third Australian Nanoindentation Workshop

5-7th July, 2009



PROGRAM

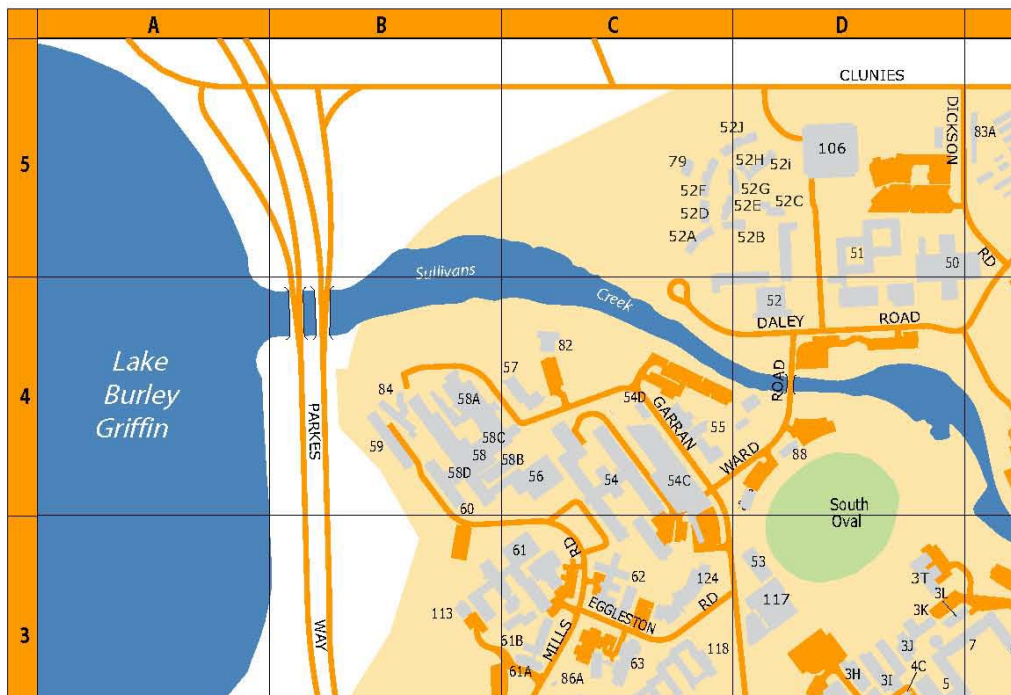
Sunday 5th July

4:30-6:30 pm Registration and welcome reception (Turkish pizza and drinks)

The reception area, Research School of Physics and Engineering, Oliphant Building 60, Mills Rd, The Australian National University (Campus Map Reference B4)

6:30 pm Hysitron user meeting

Seminar Room, Research School of Physics and Engineering, Oliphant Building 60, Mills Rd, The Australian National University (Campus Map Reference B4)



Monday 6th July

The Finkel Lecture Theatre, John Curtin School of Medical Research, Building 54C, Garran Rd, The Australian National University (Campus Map Reference C4)

Registration from 9am (Foyer outside the Finkel Lecture Theatre)

9:30 am Workshop Open

9:35 am

Michelle Oyen, The University of Cambridge

Nanoindentation and Microindentation Studies of Hydrated Materials

10:30 am Morning Tea

11:00 am

Michelle Dickson, The University of Auckland

Nanoindentation of Mineralised Tissues

11:20 am

Luiz E Bertassoni, The University of Auckland

Energy dissipation and creep behaviour of dentine correlates with solution ion valance

11:40 am

Jodie Bradby, The Australian National University

Mechanical properties of pteropods affected by ocean acidification

12:00 am

Han Huang, The University of Queensland

Nanoindentation and nanoscratch of emerging materials

12:20 pm Lunch

1:40 pm

Zhiwei Shan, Hysitron

Direct-observation of nanomechanical testing in a transmission electron microscope

2:00 pm

Pranesh Dayal, The University of New South Wales

Deformation behavior of nanolayered Al/Pd thin films

2:20 pm

Rocio Seltzer, The University of Sydney

Nanoindentation response of nylon 6 at elevated temperatures

2:40 pm

Charles Moy, The University of Sydney

Identification of material properties of multi-layered samples

3:00 pm

Oscar Borrero-Lopez, The University of New South Wales

Substrate effects in the contact damage of DLC films

3:20 pm Afternoon tea

4:00 pm ANU Nanoindentation Laboratory Visit - open discussion and opportunity to ask questions. *Dr Simon Ruffell will briefly outline the in-situ electrical testing system (nanoECR).*
Research School of Physics and Engineering, Mills Rd, The Australian National University Oliphant Building 60 (Campus Map Reference B4),

7:30 pm Dinner at Teatro Vivaldi Restaurant ANU Arts Centre, Building 16, University Avenue, The Australian National University (Campus Map Reference F3)

Tuesday 7th July

The Finkel Lecture Theatre, John Curtin School of Medical Research, Building 54C, Garran Rd, The Australian National University (Campus Map Reference C4)

9:30 am

Tony Fischer-Cripps, Fischer-Cripps Laboratories

Nanoindentation: What are you really measuring?

10:30 am Morning Tea

11:00 am

Li Chang, The University of Sydney

Phase changes during pop-in and pop-out when nanoindenting monocrystalline silicon

11:20 am

Bianca Haberl, The Australian National University

Indents in indents: A characterization technique with examples in silicon

11:40 am

Amy P.C. Wo, The University of New South Wales

Deformation microstructures of monolithic and multilayer TiSiN/TiN coatings during nanoindentation

12:00 pm

Gregory Favaro, CSM Instruments

New generation of ultra-nanoindentation tester for high-stability measurements

Presentation of Student Award and Workshop close

12:30 pm Lunch