

13 March 2008

ANSTO – AINSE Neutron School on Materials
20 – 25 July 2008
***** Draft Programme *****

Sunday 20 July (*motel meeting room*)

17-19h *Arrival of participants/lecturers - registration*
19h *Welcome and Dinner*

Monday 21 July (*AINSE theatre*)

9h Welcome – Rob Robinson
9h10 Gen. introduction to neutron scattering in materials science: **John White**
10h15 Overview of elastic neutron-scattering techniques: **Michael James**
11h *break*
11h15 Overview of inelastic neutron-scattering techniques: **Don Kearley**
12h Overview of magnetic neutron-scattering: **Mona Yethiraj**
12h45 *lunch*
14 - 16h *Getting ANSTO pass from security (building 38)*
15 - 17h Posters by participants (*AINSE council room*) – *split in instrument groups*
 break
17h A day in the life of a neutron (neutron fundamentals) **Andrew Studer**
18h30 *dinner*

Tuesday 22 July (*ANSTO: Opal auditorium, guide hall*)

9h Large-scale structure methods: **William Hamilton**
9h30 Probing the structural evolution during heterogeneous polymerisations with SANS -
Jen O'Donnell
10h15 *break*
10h30 Cementitious materials: **Bill Bertram**
11h15 Strain and stress: **Oliver Kirstein**
12h45 *instruments and induction-tour guide hall*
13h15 *lunch in OPAL cafeteria B83*
14h On the instruments (in parallel in groups of 4, but two groups with 5) on
 ECHIDNA – Max Avdeev, Vanessa Peterson, James Hester
 KOALA – Alison Edwards, Ross Piltz
 KOWARI – Oliver Kirstein, Vladimir Luzin
 PLATYPUS – Michael James, Andrew Nelson, Frank Klose
 QUOKKA – Elliot Gilbert, Bill Hamilton, Robert Knott
 TAIPAN – Sergey Danilkin, Mona Yethiraj
 WOMBAT – Andrew Studer, Margaret Elcombe, Vanessa Peterson
 (*on instrument cabins and B82, B87 meeting rooms for data analysis*)

18h30 *dinner*

Wednesday 23 July (ANSTO: Opal auditorium, guide hall)

- 9h Powder diffraction and Rietveld analysis: **Brendan Kennedy**
9h45 Gas-storage materials for the hydrogen economy: **Vanessa Petersen**
10h30 *break*
10h45 Wasteforms – what diffraction can tell us: **Karl Whittle**
11h30 Kinetics Measurements using Neutrons: **Daniel Riley**
12h30 *lunch in OPAL cafeteria B83*
13h30 On the instruments
- 17h *leave with bus for cruise*
19h *dinner-cruise Sydney harbour*

Thursday 24 July (ANSTO: Opal auditorium, guide hall)

- 9h Single-crystal technique applied on functional materials: **Ross Piltz**
9h45 Three-axis spectrometry: **Sergey Danilkin**
10h30 *break*
10h45 Spinwaves and multiferroics: **Mona Yethiraj, Annemieke Mulders**
11h30 Analysis and Modelling: **Don Kearley**
12h15 Writing a proposal and reporting results – **Herma Buttner**
13h *lunch in OPAL cafeteria B83*
13h30 On instruments and preparing their presentations for Friday
- 18h30 *dinner*

Friday 25 July (AINSE theatre)

- 9h Researching materials using time-of-flight neutron scattering: **John Stride**
10h Biomolecules in action: **Andrew Whitten**
11h *break*
11h30 group presentations 1 and 2
12h30 *lunch in canteen*
13h30 group presentations 3, 4, 5
15h *break*
15h15 group presentations 6 and 7 and farewell
17h *departure*