

# NEUTRON USERS CLUB MEETING

14 October 2008

## FINAL AGENDA

### **10.00 Registration and Coffee**

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|-------|---|----------------|
| 10.30 | Welcome   | David Thomas   |
| 10.35 | A new OSL albedo neutron dosimeter  | Chris Perks    |
| 10.55 | Calculation of operational quantities in the workplace                                  | Rick Tanner    |
| 11.15 | High temperature neutron flux detection in AGRs   | Mike Grimsdell |
| 11.35 | From Consort to NPL:<br>Neutron Sensitivity Measurements of Civil Detector Types        | Paul Kent      |
| 11.55 | Feasibility of $^{10}\text{B}$ localisation by neutron & gamma<br>Detection during BNCT | Mary Chin      |
| 12.15 | Acoustics and Ionising Radiation,<br>Formulation and Strategy                           | Alan DuSautoy  |

### **12.30 Lunch (there will be an opportunity to view the ionising radiation roadmaps discussed by Alan DuSautoy)**

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|-------|--|------------------|
| 13.30 | Semi direct thermal neutron detection via the $^{10}\text{B}$ -neutron<br>reaction using a solid state heterodiode | Robert Venn      |
| 13.50 | The design and build of a portable n/gamma splitter  | Michael Aspinall |
| 14.10 | Geometry corrections for cylindrical neutron area survey<br>meters   | Graeme Taylor    |
| 14.30 | Radiation monitors for the new Chernobyl shelter   | Bhaswar Baral    |
| 14.50 | Pulse neutron detection  | David Thomas     |

### **15.15 Tea and Coffee**

- 15.45 Visitors are welcome to visit the facilities of the NPL neutron group