



# THEORETICAL AND COMPUTATIONAL METHODS in X-RAY IMAGING WORKSHOP

Tuesday 28 November 2006 9:30am to 5:00pm  
at  
The University of Melbourne  
School of Physics  
Room 211 (in the Physics Podium)

## WORKSHOP SESSIONS:

1. Advances in algorithm development (iterative projective methods, transport-of-intensity equation, statistical methods, tomography, novel methods)
2. Imaging of biological systems (2D-crystal analysis, imaging of malaria infected blood-cells)
3. Coherence Studies (Characterization of partially-coherent synchrotron sources, strong-field interactions in fully-coherent sources)
4. Discussion about current programmes and future plans

Session 4 of the Workshop will be devoted to a discussion of the current CXs Theoretical and research programme, areas of further collaboration between CXs nodes or with other groups, and the future direction of the theory and modelling programme in the context of the experimental, biological, laser and detector programmes.

## GUEST SPEAKERS WILL BE:

T. Gureyev (CSIRO)	H. Quiney (UoM)
D. Paganin (Monash)	A. Peele (La Trobe)
G. Williams (UoM)	S. Homolya (CSIRO)
R. Dilanian (Monash)	C. Tran (Monash)

Please indicate your intention to attend this Workshop by sending an email with the heading "CXs Workshop" to Tania Smith (Chief of Operations) at [t.smith@ph.unimelb.edu.au](mailto:t.smith@ph.unimelb.edu.au) or phone 8344-5444 by Friday 24 November 2006.



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