

AINSE Gold Medal Award 1998 - Student Ismunandar

University of Sydney



Ismunandar (L) presented with AINSE Gold Medal by AINSE President, Professor Ron MacDonald (R)(Click on image)

Ismunandar made extensive use of the neutron scattering facilities at HIFAR to study the structure of a number of metal oxides. His work at ANSTO was supported by a number of AINSE grants. His work during PhD studies was always first class and as evident from the attached publication list very productive. He has recently produced an excellent thesis that reports a great deal of new high quality work on mixed-metal oxides and this underlies his considerable strengths in crystallography and materials chemistry.

One of the most significant aspects of his work has been to combine neutron scattering with anomalous dispersion diffraction and his studies will set the standard for subsequent workers in the field. This aspect of this studies has resulted in the first insight into the thermal effects on cation disorder in Pb-Bi oxides. This has important implications for the fabrication of ferroelectric devices.

Through his hard work and understanding Ismunandar demonstrated himself to be an outstanding research student