

Short - Curriculum Vitae

Professor Graeme E. Murch

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Degrees:

1991, DEng (Higher Doctorate) in Materials Science and Engineering, University of Newcastle.
1982, DSc (Higher Doctorate) in Materials Science, Flinders University of South Australia.
1973, PhD in Chemical Physics, Flinders University of South Australia.
1969, BSc (Hons I) in Chemical Physics, Flinders University of South Australia.

Research interests:

All aspects of solid state diffusion and related phenomena. Principal materials of interest are: multicomponent alloys, intermetallic compounds, fast ion conductors, nanocrystalline materials, nanoparticles, cermet composites, engineering ceramics.

Teaching interests:

Materials science and engineering, materials selection in design.

Professional career:

: AINSE Fellow, Australian Atomic Energy Commission.
: Scientist, Argonne National Laboratory, USA.
1985-1986: The Principal Research Scientist, ICI-Australia Research Laboratories.
1986-present: Personal Chair in Materials Engineering, University of Newcastle

Principal research and teaching achievements:

Authored of one monograph and over 300 international journal papers/book chapters/reviews with some 150 supporting conference papers.
100 papers published in the Philosophical Magazine.
Career total of 3,000 literature citations.
Presented 40 plenary/keynote lectures at international and national conferences/symposia.
Founder (1984) and Editor of Materials Science Forum.
Editor of Defect and Diffusion Forum and Solid State Phenomena since 1986.
Organizer/co-organizer of 10 major international symposia and conferences.
Winner of the 2005 Engineers-Australia 'Excellence in Education Award' (by undergraduate student vote).