

Dr Trevor J Hicks

This article has been downloaded from IOPscience. Please scroll down to see the full text article.

2009 J. Phys.: Condens. Matter 21 120301

(<http://iopscience.iop.org/0953-8984/21/12/120301>)

View [the table of contents for this issue](#), or go to the [journal homepage](#) for more

Download details:

IP Address: 129.252.86.83

The article was downloaded on 29/05/2010 at 18:42

Please note that [terms and conditions apply](#).

FOREWORD

Dr Trevor J Hicks

Guest Editor

Darren Goossens
*Research School of Chemistry,
The Australian National
University, Canberra,
Australia*

This issue of *Journal of Physics: Condensed Matter* has been assembled to recognize the valuable contribution of Dr Trevor J Hicks to the field of neutron scattering and magnetism. Trevor began his study of magnetism as a PhD student at Monash University in Melbourne in the early 1960s, working with Professor Jack Smith. From the very beginning magnetism in alloys, and disordered systems in general, became a key aspect of his career. After a postdoctoral position at Harwell working with Dr Graeme Low Trevor returned to Australia and took up a position with Monash.

He soon became a key figure in developing the capability for neutron scattering using the HIFAR reactor at the Australian Atomic Energy Commission, now the Australian Nuclear Science and Technology Organisation, ANSTO. The instrumentation was always developed to further his studies of magnetism. The development of polarization analysis measurements of diffuse magnetic scattering, first using iron filters and then his own design of supermirror benders for beam polarization, took place through the 1970s, 1980s and into the 1990s.

Throughout this time, Trevor mentored a series of PhD students and postdoctoral fellows, many of whom have contributed to this issue (and, indeed, guest edited it). As befits a scientist and university academic for whom teaching has always been important, Trevor has not only created a strong body of significant research, he has also made a major contribution to preparing several generations of neutron scattering scientists, and this issue reflects that.

When I approached *Journal of Physics: Condensed Matter* with a proposal for an issue in honour of Trevor, the response was immediate and positive. It is with great pleasure that I present the result of that proposal. The great diversity of the content, all centred on neutron scattering and magnetism, reflects the breadth of Trevor's own career and of the scientists with whom he has interacted.

Finally, I would like to make some acknowledgments. I would like to thank the authors of these papers, Dr Dennis Mather of the Australian Institute of Nuclear Science and Engineering for his encouragement and support, and the reviewers who have taken the time to read and comment on these papers. I would also like to acknowledge the editorial staff of *Journal of Physics: Condensed Matter*, particularly Dr Richard Palmer (now retired). They made the editing of this issue a simple and enjoyable process, for me if not for them!