

Guest Comment

In February 1990 an international workshop on Interfaces in Molecular, Electron and Surface Physics was held in Perth. The idea for the theme was due in large part to Jim Williams, professor of physics at the University of Western Australia. It grew from a series of informal working seminars involving contributions from groups in the physics and electrical engineering departments of the University of Western Australia and from the physics program at Murdoch University. The contributions fell broadly into the two categories, atomic and surface physics. In the two years the seminar series has run there has been such a fruitful exchange of ideas and techniques between the two research areas that it was decided to focus the workshop in this direction.

The scope and breadth of the invited talks, many of which are included here, exceeded our expectations. Electron coincidence spectroscopies for atoms, molecules and thin films were well represented. In atomic physics continuing trends appear to be the use of lasers to study electron scattering from excited-state atoms and measurement of angular correlations.

The talks devoted to surface analysis featured a whole range of techniques. They included Auger electron spectroscopy (including coincidence spectroscopy), photo-electron spectroscopy, electron diffraction (LEED and RHEED) and ion beam probes. Experiments using spin-polarised electron sources to obtain new information both in the gas phase and solid state were also presented. The power of the techniques surface tunneling microscopy and surface analytic microscopy were also demonstrated in the contributions. Further talks discussing light scattering from liquids and vibrational spectroscopy of cluster ions complemented the surface work.

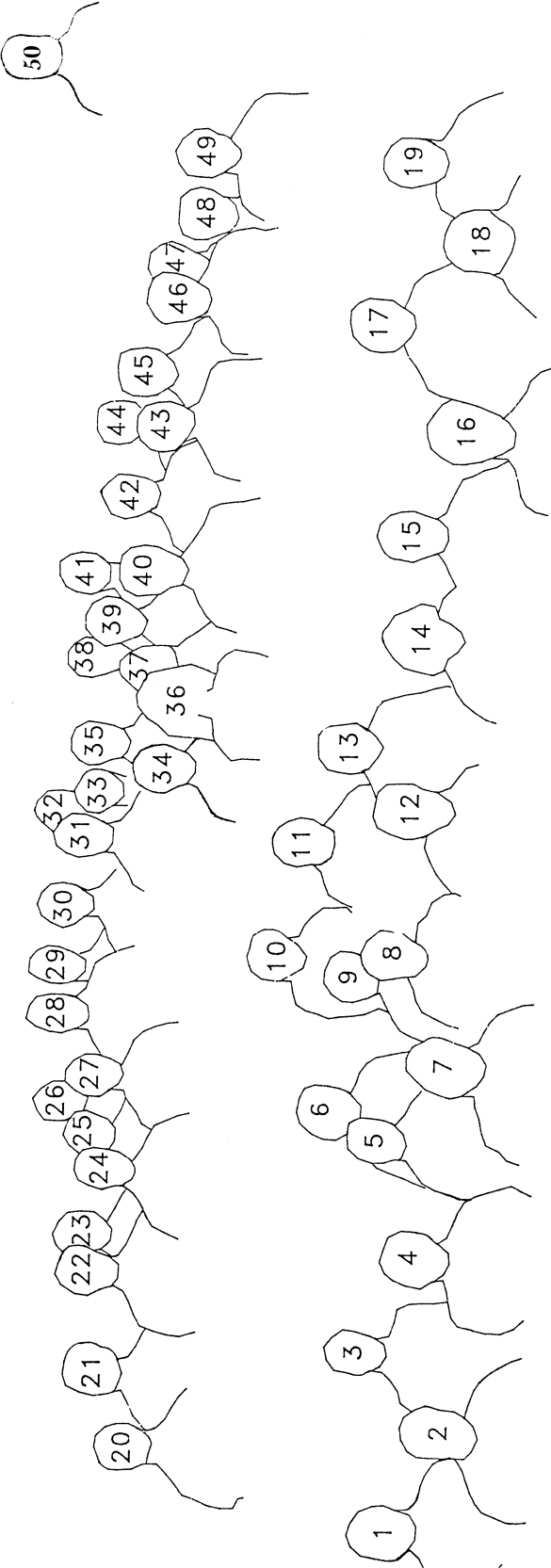
The successful running of the workshop is of course due to contributions from many people. However, a few deserve special mention. On behalf of the organising committee I wish to thank the considerable effort of Jim Williams and Mike Kelley for securing the funding needed to stage an international workshop. We gratefully acknowledge the financial support from the Department of Industry, Technology and Commerce under the Bilateral Science and Technology Program, the US National Science Foundation and the WA Technology and Industry Development Authority. I also wish to thank June Dunstan and Sue Lawson for organising our accommodation and conference facilities with such efficiency. Finally I would like to thank our overseas and interstate speakers for accepting our invitation, and the *Australian Journal of Physics*, in particular its editor Mr R. P. Robertson for making it possible to publish the proceedings.

A. T. Stelbovics

School of Mathematical and Physical Sciences,
Murdoch University, Perth



Participants in the Workshop on Interfaces in Molecular, Electron and Surface Physics



(1) J. Flexman	UWA	(18) E. Weigold	Flinders	(34) R. Leckey	La Trobe
(2) E. G. McRae	Bell Labs (USA)	(19) A. E. W. Knight	Griffith	(35) W. Zahorowski	UWA
(3) V. W. Maslen	CSIRO	(20) C. Vernon	CSIRO	(36) A. M. Grisogono	Flinders
(4) T. D. Lacuesta	Murdoch	(21) C. Klauber	CSIRO	(37) B. Lohmann	Murdoch
(5) C. Ranganathaia	UWA	(22) P. Robertson	Aust. J. Phys.	(38) S. Crisp	UWA
(6) M. Jain	UWA	(23) A. G. Miksoza	UWA	(39) J. L. Robins	UWA
(7) T. T. Scholz	Queens (N. Ire.)	(24) I. Bray	Flinders	(40) J. Atai	UWA
(8) R. A. Anderson	UWA	(25) P. J. O. Teubner	Flinders	(41) A. B. Wedding	UWA
(9) M. Kumar	Murdoch	(26) R. J. Wilson	IBM San Jose (USA)	(42) M. Prutton	York (UK)
(10) F. P. Larkins	Tasmania	(27) R. E. Scholten	Flinders	(43) L. Frost	Bielefeld (WG)
(11) J. Macek	Tennessee (USA)	(28) M. H. Kelley	NIST (USA)	(44) M. C. Standaage	Griffith
(12) D. J. O'Connor	Newcastle	(29) N. Warrington	UWA	(45) S. M. Thurgate	Murdoch
(13) C. Roothaan	Chicago (USA)	(30) G. Chandler	Murdoch	(46) A. D. Buckingham	Cambridge (UK)
(14) G. L. Price	Telecom Labs	(31) C. P. Lund	UWA	(47) I. Humphrey	UWA
(15) G. Hitchen	Murdoch	(32) M. J. Ford	UWA	(48) T. Winata	Murdoch
(16) A. T. Stelbovics	Murdoch	(33) J. Livingstone	UWA	(49) I. E. McCarthy	Flinders
(17) S. Buckman	ANU			(50) J. F. Williams	UWA

