

## Australian Academy of Science fellows

Twenty of Australia's leading scientists were honoured on 25 March by election to the Australian Academy of Science, see <http://www.science.org.au/academy/fellows/2005.htm>. Among the new fellows are AustMS members Michael G. Eastwood (University of Adelaide), Jorgen S. Frederiksen (CSIRO Atmospheric Research, Victoria), Amnon Neeman (Australian National University) and Hugh Ph. Possingham (University of Queensland).



Michael Eastwood was born in Cumbria and grew up near Manchester in England. He read Mathematics at Hertford College, Oxford and obtained his PhD from Princeton University in 1976. Most of the next several years were spent in Oxford working with Roger Penrose and his school. He moved to Adelaide in 1985 where he is currently a Professor and Senior Research Fellow of the Australian Research Council. Much of his work is concerned with geometry and symmetry.



Jorgen Frederiksen completed his undergraduate studies at the University of Adelaide in mathematical physics and his PhD in theoretical physics in 1972 at the Australian National University and was awarded the Peter William Stroud Prize. Since 1974 he has worked for CSIRO Atmospheric Research where he is currently Chief Research Scientist. He was awarded the CSIRO David Rivett Medal (1984), a Crafoord Fellowship by the Royal Swedish Academy of Sciences (1983) and a DSc by the University of Adelaide (1988) for his work in atmospheric dynamics and theoretical physics. He has held positions as visiting scientist in The Netherlands, Sweden and the USA and as program leader and deputy director of the Cooperative Research Centre for Southern Hemisphere Meteorology. His work has contributed to the fundamental understanding of atmospheric processes determining weather and climate and their predictability, including the structures of storm tracks, blocking, teleconnection patterns, intraseasonal oscillations and equatorial waves, and the statistical dynamics of turbulence.



Amnon Neeman received his BSc and MSc from the University of Sydney in 1979 and his PhD from Harvard University in 1983. He was a fellow at the Institute for Advanced Studies (Princeton) in 1983–84, then taught at Princeton University 1984–87, the University of Virginia 1987–1998, and has been at the Australian National University since early 1999. He has worked in algebraic geometry, algebraic K-theory, homological algebra and topology.



Hugh Possingham completed Applied Mathematics Honours at the University of Adelaide in 1984 and a doctorate at Oxford University in 1987 (Rhodes scholarship). Postdoctoral research followed at Stanford University and the Australian National University (QEII Fellow). In 1991 he took a Lectureship in the Department of Applied Mathematics, and by 1995 was Professor and Foundation Chair of the Department of Environmental Science at the University of Adelaide. In July 2000 he became Professor of Mathematics and Ecology at the University of Queensland where he is currently an ARC Professorial Research Fellow and Director of The Ecology Centre. Hugh plays public roles as chair of the Federal government's Biological Diversity Advisory Committee and member of The Wentworth Group. He has been awarded the POL Eureka Prize for Environmental Research (1999), the Australian Academy of Science's inaugural Fenner Medal (2000) and the Australian Mathematical Society Medal (2001).