

SINGAPORE YOUTH AWARDS 2003

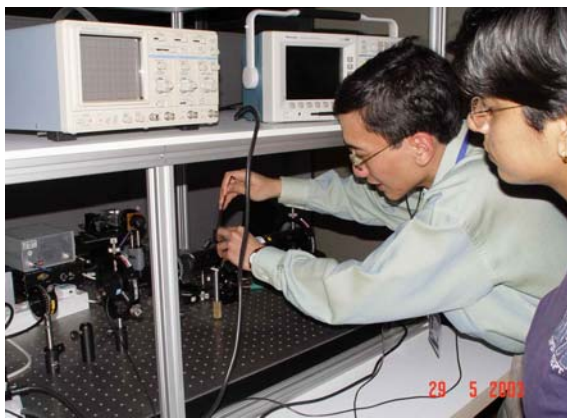
SCIENCE AND TECHNOLOGY (INDIVIDUAL)

DR MANSOOR BIN ABDUL JALIL

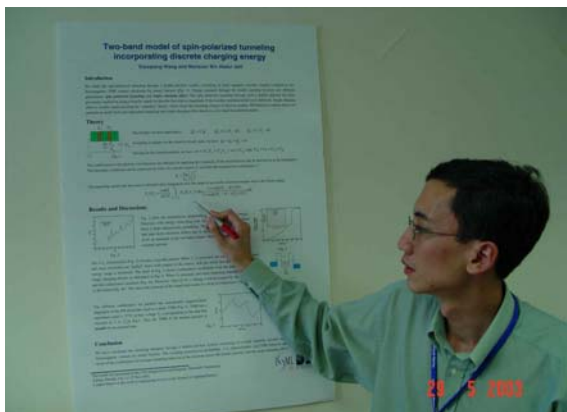


“Science is inspiring to me because it provides a glimpse into the elemental beauty and power of nature. An with that comes a deep appreciation of nature, and a determination to harness her responsibly, and to preserve her for generations to come.”

Dr Mansoor is noted for his pioneering research in nanoelectronics and nanomagnetism, and outstanding service to the community.



Dr Mansoor's research innovations in single-electron tunnelling devices can enhance the miniaturisation of electronic devices, and are important in the context of the development of the semiconductor and wafer fabrication industry in Singapore. His discoveries have led to the experimental verification and development of new prototype electronic devices in the University of Cambridge, UK. His work has also been cited by the National Institute of Standards and Technology in the US.



Dr Mansoor's discoveries in nanomagnetism have wide implications for magnetic sensors, storage media and "spin-logic" devices. He has presented his research findings at numerous international conferences and published them in leading international journals. He has also been invited to be a reviewer by several conferences, including the prestigious Magnetism and Magnetic Materials conference, and has acted as a referee for the Applied Physics Letters (an international physics journal).



A man of diverse talents, Dr Mansoor enjoys English literature besides his scientific pursuits. He is actively involved in the Speak Good English Movement as a Committee Member, having volunteered in outreach events in schools and libraries. Dr Mansoor has also been inducted by Yayasan Mendaki to be a role model to youths, inspiring them through talks and sharing sessions. He is the recipient of the inaugural McDonald's-Berita Harian Achiever of the Year Award in 1999.

For his research achievements in nanotechnology and for his excellent service to the community at large, Dr Mansoor Bin Abdul Jalil is conferred the Singapore Youth Award 2003.