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## NUI WANG AWARDED CLUNIES ROSS MEDAL



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Our congratulations and thanks go to Nui Wang from the PBR International Advanced Engineering Team who was recently awarded the Clunies Ross National Science and Technology Award for his outstanding commitment and contribution to the application of science and technology in Australia, and for inspirational leadership of future scientists.

He was one of six awardees:

"Ending the stress of stomach ulcers"

Dr Barry Marshall, Research Professor of Microbiology, University of WA, Perth

"Finding money in muck (sewage)"

Mr Trevor Bridle, Technical Director, Environmental Solutions International, Perth

"Advancing the science of stopping"

Mr Nui Wang, Chief Engineer, PBR International, Melbourne

"Building the technology of mathematics"

Dr John Cannon, Professor of Mathematics, University of Sydney

"Engineering Australia's defences"

Mr Gordon Kennett, Managing Director, Rosebank Engineering, Melbourne

"Including people in wildlife conservation"

Dr Grahame Webb, Director, Wildlife Management International Pty Ltd, Darwin

His citation says:

Mr Nui Wang,

Chief Engineer, PBR International, Melbourne

"Advancing the science of stopping"

In 1981 Nui took his first look at brake technology and saw inefficient design. Today his radical brake designs stop millions of trucks and cars and, in the fiercely competitive global automotive industry, he is keeping Melbourne Company, PBR International, one jump ahead of its competitors.

Conventional car brakes had been regarded as 'mature' technology with no real room for improvement. Nui, the industry

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outsider, disagreed. It seemed to him that brakes were overly complex, with too many parts, making for expensive manufacture and inefficient performance.

General Motors accepted his first brake design for the high performance Corvette in 1988. He has gone on to design innovative brake systems, such as the Banksia park brake that uses 9 working parts instead of the 30 of conventional designs.

Nui's brake designs are now used in North America, Asia, and Australia.

Nui's advocacy for good engineering attracts talent, and he has built one of the most innovative car component design teams in the world. With the novel materials and technologies now available, Nui believes that he is just getting started. He might even start looking at the rest of the car.

**For further information:**

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