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Dr Peter Pudney

Dr Peter Pudney is a Senior Research Fellow in the Barbara Hardy Institute, and Deputy Director of the Centre for Industrial and Applied Mathematics, at the University of South Australia. His research interests are in applied optimisation and optimal control. He is one of the developers of a driver advice system which is used on freight and passenger trains around the world to calculate real-time driving advice to help trains stay on time with minimum energy use. He has also helped design, build and race solar racing cars, and is currently the Chair of the World Solar Challenge Technical Committee. He has led projects investigating the impact of electric vehicles on CO2 emissions and on electricity demand, and led a project that built a small green electric car called Trev that was driven around the world in 2010.

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