

Citation for Professor Philip Howlett
Graduation: Tuesday 10 August 2010, 10:30am



Officiator: Dr Ian Gould

Award recipient: Professor Philip Howlett
PhD BSc (Hons) BSc

Award being conferred: Emeritus Professor Award

Citation delivered by: Professor Andrew Parfitt
BE(Hons) PhD FIEAust

Chancellor, the University of South Australia confers the honorary title of 'Emeritus Professor' upon retired academic staff holding the title of Professor who have given distinguished service to this institution. It is my pleasure to present to you Professor Philip Howlett for the title of 'Professor Emeritus' in recognition of such service.

Professor Howlett began work at the South Australian Institute of Technology (now the University of South Australia) in January 1965. In 1971 he obtained his PhD in mathematics from the University of Adelaide. He has been Leader of the UniSA's Scheduling and Control Group, part of the School of Mathematics and Statistics, since 1990 and Professor of Industrial and Applied Mathematics since 2001.

His achievements include designing with UniSA colleague Dr Peter Pudney the driving strategy for solar powered racing car *Aurora 101* when it won the 1999 *World Solar Challenge*.

Professor Howlett and Dr Pudney are also co-inventors of the driver advice system *Freightmiser* used by *Pacific National* on inter-city freight trains – a system expected to bring benefits such as cutting fuel consumption by 15% and improving timekeeping. The system is currently on trial in India and Spain and is expected to soon be introduced in the UK.

Professor Howlett has won many National Competitive Grants to support his mathematical research. The Scheduling and Control Group won the Australia Technology prize in 2000 and the Australasian Railway Association prize in 2004 in partnership with Sydney Company *TTG Transportation Technology*. He was Director of the Australian Mathematics-in-Industry Study Group for 2000—2003 and Chair of the Australia and New Zealand Applied Mathematics Division of the Australian Mathematics Society in 2008 and 2009.

Chancellor, on behalf of the University of South Australia, I am pleased to present Professor Philip Howlett to you for the honorary title of 'Emeritus Professor' in recognition of his distinguished service to this institution.