

**CITATION – Emeritus Professor Rodney Baxter, ANU College of Science**

The Peter Baume Award is the University's most prestigious award. It recognises eminent achievement and merit of the highest order.

Professor Baxter has made ground breaking contributions to the study of exactly solved models in statistical mechanics, which have involved the invention of ingenious mathematical techniques. His brilliant exact solutions have lead to a deeper understanding of the theory of phase transitions and critical phenomena, and remarkable relations with quantum field theory. His work has also initiated, and continues to inspire, profound developments across a broad spectrum of mathematics, including quantum groups, knot theory and representation theory of infinite dimensional algebras.

Professor Baxter has received many prestigious prizes and awards, including the Boltzmann Medal of the International Union of Pure and Applied Physics (1980), Lyle Medal, Australian Academy of Science (1983), Dannie Heineman Prize, American Physical Society (1987), Harrie Massey Medal, British Institute of Physics (1994), Lars Onsager Prize, American Physical Society (2006), Lars Onsager Lecture and Medal, Norwegian University of Science and Technology (2006) and Royal Medal, Royal Society of London (2013).