

Paul Compton - Director

Paul Compton is currently the research director (part-time) for Pacific Knowledge Systems, and an (unpaid) emeritus professor of the University of New South Wales, involved in various research projects at the university.

Paul's research on the incremental development and maintenance of knowledge-based systems, known as Ripple-Down Rules, has had significant industrial impact. There are at least 3 successful companies whose core technology is based on Ripple-Down Rules, and others who market niche products based on this research, including IBM. Paul co-founded Pacific Knowledge Systems which provides Ripple-Down Rule software mainly for medical diagnostic laboratories. At least 30% of Australian pathology laboratories use Pacific Knowledge Systems' software as well as laboratories in the US and Europe. Pacific Knowledge Systems was recently sold.

Paul has been a chief investigator on 12 ARC Discovery and Linkage projects and has been a researcher in the Smart Services CRC and its predecessor the Smart Internet CRC. He has published over 150 papers that have over 2300 citations.

Prior to his retirement from UNSW in 2010 Paul was head or acting head of the School of Computer Science and Engineering for 12 years, where he was responsible for a budget of over \$10M. He was also associate dean (research) for Faculty of Engineering for 3 years; he served on the UNSW Academic Board for 12 years and was an elected member of the UNSW Council for the last 2 years before he retired. Also for about 2 years before his retirement he was the chair of NICTA's National Research Advisory Committee. His past experience includes being a member of the boards of the Capital Markets CRC, St. Vincent's College Potts Point and Pacific Knowledge Systems. Within UNSW he has been a director of iCinema, the Centre for Interactive Cinema, a member of the management committee of the Centre of Health Informatics and has conducted reviews of other UNSW Centres. Prior to joining UNSW in 1990 he was at the Garvan Institute of Medical Research for 20 years.