

Biographical Sketch

Graduated with a BSc (Mechanical Engineering), MSc (Engineering) and PhD (Engineering) degree at the Ex-University of Natal in the area of Mechatronics, Robotics and Advanced Manufacturing Systems. Professor of Mechatronics, Robotics and Advanced Manufacturing Systems since 2002. Held the following leadership positions since 2002: Major Leader and Head of the Mechatronics degree program at Massey University, Auckland, New Zealand, Head of School for Mechanical Engineering, Dean of Research for the College of Agriculture, Engineering and Science and Academic Leader in Mechanical Engineering, UKZN.

Holder of the James Fulton Chair based in Mechanical Engineering since 2008. Graduated with an MBA degree at UKZN, Durban, in 2011. Lecture courses in topics associated with Mechatronics, Robotics and Advanced Manufacturing Systems. Teaching and learning objectives are to provide quality education to students at undergraduate and post graduate level.

Leader and supervisor of the Mechatronics and Robotics research Group, (MR²G) since 1995 at UKZN. Research objectives are to provide industry with ‘state of the art’ solutions for Advanced Manufacturing System problems based on topics related to “Industry 4.0” for Factories of the Future. These objectives are achieved through local and overseas research collaboration. Research outputs and results are regularly presented and published in international conference proceedings, chapters in books and ISI accredited journals.