

PAUL ARTHUR



Originally from Ghana, Paul Arthur completed his postgrad research and worked in Canada before commencing his very prolific career with the New South Wales Department of Primary Industries. Paul is an expert in animal breeding and genetics with a strong national and international reputation, and simultaneously has made an enormous contribution in leadership and direction of animal production research within the NSW public service.

Paul completed his M.Sc. thesis on the use of large dairy breeds in crossbreeding for range beef production, and Ph.D. thesis on the nature, genetics and physiology of double-muscled cattle, at the University of Alberta, Edmonton. The winters of Canada finally proved too long and cold for Paul and he moved his young family to sub-tropical Grafton, NSW, to join the research team at the then NSW Agriculture Grafton Research Station, and became immersed in publication of results from the decade-long beef-cattle crossbreeding and growth research projects being conducted in NSW.

Then a move to Trangie and Paul took on leadership of the Net Feed Conversion Efficiency project, and then onto Sydney where Paul's emerging skills in leadership and management were recognised and he was appointed Director of the Elizabeth Macarthur Agricultural Institute. His research output never slowed and Paul was invited to work in cattle feed efficiency projects in Japan and France, and pigs in Australia. Over the past decade Paul has been a leader in research into the genetics of greenhouse gas emissions in beef cattle, and development of genetic technologies to reduce methane emissions from Australian beef cattle.

Paul has achieved a number of career highlights. He earned promotion to the rank of Senior Principal Research Scientist, the highest rank available to a public-service scientist, with more than 250 scientific publications to his name, including one paper now ranked 3rd among the top 50 most-frequently cited papers ever published by the Journal of Animal Science. He has been awarded the Public Service Medal (PSM), under the Australian Honours System, for "Outstanding public service in the field of animal breeding and genetics". The cattle methane research was runner up for 2013 Eureka Award for Sustainable Agriculture.

To recognise Paul's quiet determination, hard work, leadership and achievement in animal breeding and genetics research, the Association for the Advancement of Animal Genetics and Breeding is pleased to enrol him as a Fellow of the Association.