

Ross Heatley Macmillan



Qualifications

- Fellowship Diploma (Mechanical Engineering); (RMTC)
- Bachelor of Engineering (Agricultural); Melb.
- Master of Engineering (Agricultural); Cant.
- Assoc. Diploma of Theology; Ridley College

Profile

I worked for 35 years as Lecturer / Senior Lecturer at Lincoln College, University of Canterbury, New Zealand, at the University of Melbourne and for short periods in Universities in eastern Indonesia. These involved teaching and research with both local and overseas students in the performance of agricultural machines and the associated properties of agricultural materials. During this time I developed a more interest in more general aspects of agriculture and agricultural engineering education.

Retirement has provided the opportunity for the publications of curricula materials (including two monographs) particularly for students in developing countries. I also now have an active involvement in the family farm on the northern outskirts of Melbourne and, as the latter allows, building engineering models in my workshop.

A recent and ongoing activity is a consultancy with the University of Genoa, Italy on a project developing equipment for the digging up of anti-personnel land mines.

Science/Faith interests

As an expression of the mandate to 'feed the hungry ... ' etc my interests are mainly in assisting in community development by:

- writing and interpreting modern agriculture, rural development and associated technologies in a biblical context.
- seeking to provide more nuanced views of the use and care of the environment than many of the present, bland statements.

Topics I can present on

I am available to speak on and interpret these interests in a Christian context particularly to the non-scientific and rural communities.

Professional Associations

Senior Fellow, Agricultural Engineering, University of Melbourne

Member, Institution of Engineers, Australia

Fellow, ISCAST: Christians in Science and Technology

Member, Society for Engineering in Agriculture, Landcare Australia and Agricultural Christian Fellowship

Papers produced for ISCAST

'Seed time and harvest...a reflection'

http://www.iscast.org/journal/reflections/Macmillan_R_2008-09_Seed_Time_And_Harvest.pdf

'The Earth and its Environment' in *Notes on Science and Christian Belief* □ Allan J Day, 2009 http://www.iscast.org/science_faith_intro/Notes_on_Science_and_Christian_Belief_2009.pdf

Stewardship of the rural environment: care, use, enjoy - and rest! 2009

http://www.iscast.org/journal/articles/Macmillan_R_2009-11_Care_Use_Enjoy_Rest.pdf