


AGRICULTURAL RESEARCH COUNCIL

Agricultural Engineering

Research Focus Area 	Area of expertise	Commodity	Core activities	Contact	E-Mail	Telephone number	Location
Agricultural Engineering	Irrigation	Equipment and systems	<ul style="list-style-type: none"> * Irrigation practices and techniques; * Development, testing and evaluation of irrigation equipment; * In-field evaluations of performance of irrigation systems; * Improvement of existing designs, practices and established irrigation methods; * Soil and water conservation structures and systems; * Silt fences to combat erosion. 	Felix Reinders	reindersf@arc.agric.za	(012) 842 4009	Silverton, Pretoria
Agricultural Engineering	Renewable energy	Equipment and systems	<ul style="list-style-type: none"> * Renewable energy facilities, equipment and systems; * Biogas, wind/hydro power and solar systems; * Methane potential testing systems. 	Dr Idan Chiyanzu	chiyanzui@arc.agric.za	(012) 842 4044	Silverton, Pretoria
Agricultural Engineering	Agricultural Structures and Facilities	Equipment and systems	<ul style="list-style-type: none"> * Appropriate animal production facilities, equipment and systems; * Farm structures, facilities and equipment; * Climate controlled structures and facilities. 	Francois Swanepoel	swanepoelf@arc.agric.za	(012) 842 4066	Silverton, Pretoria
Agricultural Engineering	Post-harvest/Agro-processing	Equipment and systems	<ul style="list-style-type: none"> * Evaluation, development and design of product processing & value-adding equipment, facilities and systems; * Engineering design and advice on post-harvest aspects (storage, cooling, drying and handling facilities). 	Dr Siphon Sibanda	sibandaf@arc.agric.za	(012) 842 4048	Silverton, Pretoria
Agricultural Engineering	Mechanisation and Precision Agriculture	Equipment and systems	<ul style="list-style-type: none"> * Specialised electronic units to assist researchers in achieving their goals; * Electronic equipment and systems for the agricultural environment; * Precision farming electronic equipment utilization possibilities; * Essential oils testing systems. 	Dr Tingmin Yu	yut@arc.agric.za	(012) 842 4090	Silverton, Pretoria