

Friday, 3 May 2024

3 pm

E16 (Rātā Bldg)

Investigating the efficacy of subsurface drip irrigation in Canterbury

Gussy Collett

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Abstract:

Subsurface drip irrigation is a high-precision, high-efficiency irrigation system. In contrast to spray irrigation typically used in Canterbury agriculture, this technology offers advantages such as avoiding wind and evaporation losses, preventing runoff and excessive water seepage, and reducing crop disease. It can also be used for precise nutrient application, which can mitigate the environmental risks associated with nutrient runoff and leaching. However, strong evidence of the financial efficacy of subsurface drip irrigation is needed for farmers to invest in this technology. This presentation covers the hard-won learnings of a mechanical engineer installing and running a comparative irrigation field trial for arable crops.



Pāruru - a cultural journey for young Chinese New Zealanders to the Hokianga and Waitangi

Emily Young

PhD Candidate, Department of Mechanical Engineering, University of Canterbury

Abstract:

In this kōrero (talk, discussion) I will share about my experience of Pāruru (meaning 'place of shelter'), a trip to Te Tai Tokerau (Northland) over Waitangi weekend with the New Zealand Chinese Association. The motivation and kaupapa (purpose) of Pāruru was to honour the relationship between Māori and Chinese, forged due to the sinking of the SS Ventnor off the coast of the Hokianga in 1902. I will discuss highlights from the journey, including travelling to Waitangi to attend Waitangi Day commemorations, and conclude with my learnings and reflections from Pāruru. I will also pose the pātai (question), "What does it mean to be Tangata Tiriti (people of the Treaty, non-Māori)?"



All are welcome!