



SASEV-WINETECH ^{41st} International CONFERENCE

2-4 Oct 2018 | NH Charles Hotel, Somerset West, South Africa

What is novel and innovative in Grapevine and Wine Sciences?

WEDNESDAY 3 OCTOBER 2018

W05

PRECISION VITICULTURE

The objective of this workshop is to present the main characteristics of the current systems and methods used in Precision Viticulture (PV) besides to discuss practical applications, advantages and limitations of these techniques. To have an overview of PV we will have the participation of researchers and local companies and an international keynote speaker with large experience in the subject.

COORDINATOR: Dr Carlos Poblete-Echeverría (SUN)

13:15 – 14:00	REGISTRATION	
14:00 – 14:05	Welcoming	Dr Carlos Poblete-Echeverría <i>Coordinator of the Precision Viticulture and Climate change research group, Department Viticulture and Oenology, Stellenbosch University.</i>
14:05 – 14:50	Implementation of Machine Learning and Artificial Intelligence for Precision Viticulture	Keynote Speaker: Dr Sigfredo Fuentes <i>Senior Lecturer in Digital Agriculture, Food and Wine Sciences. Melbourne University, Australia</i>
14:50 – 15:10	Smart viticulture and winemaking into the 4th Industrial revolution, challenges and opportunities	Lecture 1: Dr Albert Strever <i>Agro-Innovation Hub (Grapes & Wine) Department of Viticulture and Oenology, Faculty of AgriSciences, Stellenbosch University</i>
15:10 – 15:30	TEA /COFFEE break	
15:30 – 15:50	Proximal remote sensing for vineyard yield estimation	Lecture 2: Mr Chris Hacking <i>MSc in Geo-Informatics, Stellenbosch University</i>
15:50 – 16:30	Experiences with Precision Viticulture technologies. Effect of spatial variability on Grape and Wine Composition	Lecture 3: Dr Carlos Poblete-Echeverría <i>Coordinator of the Precision Viticulture and Climate change research group, Department Viticulture and Oenology, Stellenbosch University.</i>
16:30 – 17:00	Industry discussion and Closing remarks	All speakers together



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