

2021 Workshop on MBIE SSIF/Catalyst Programmes on Data Science

Agenda/Programme (Final)

Time: 19 November 2021

Virtual event via Zoom: [974 4686 9425](https://vuw.zoom.us/j/97446869425) or <https://vuw.zoom.us/j/97446869425>

Host: Victoria University of Wellington (VUW)

Time	Programme	Chair
9:30-10:00	<p>Opening</p> <ul style="list-style-type: none"> • Karakia/Welcome by Terence Hikawai (VUW) • Welcome by David Harper, DPVC (SHEADI), VUW • Welcome by Catherine Hunter and introduction of MBIE team • Brief Introduction to Programme Leaders and Organisers 	Mengjie Zhang
10:00-12:00	<p>Presentations from each programme --- key members, major progress, achievements, and challenges (each MBIE SSIF programme 15 mins, each NZ-SQ Catalyst programme 10 mins)</p> <ul style="list-style-type: none"> • SSIF 1: Time-Evolving Data Science / Artificial Intelligence for Advanced Open Environmental Science (Albert Bifet) (10:00-10:15) • SSIF 2: A Language Platform for a Multilingual Aotearoa (Peter-Lucas Jones) (10:15-10:30) • SSIF 3: Beyond Prediction: Explanatory and Transparent Data Science (Mark Gahegan) (10:30-10:45) • SSIF 4: Data Science for Aquaculture (Mengjie Zhang) (10:45-11:00) • Questions, observations and discussions (11:00-11:10) • Catalyst 1: Advanced Graph Analytics for Human Brain Connectivity (Miao Qiao) (11:10-11:20) • Catalyst 2: Natural Language Processing for Q&A in Indigenous/Vernacular Languages (Ruili Wang) (11:20-11:30) • Catalyst 3: Bridging the Gap between Remote Sensing and Tree Modelling with Data Science (Jan Schindler) (11:30-11:40) • Catalyst 4: Computational Neuro-genetic Modelling for Diagnosis and Prognosis in Mental Health (Maryam Dobarjeh and Nik Kasabov) (11:40-11:50) • Questions, observations and discussions (11:50-12:00) 	Chris Dean

12:00-12:30	Lunch break	
12:30-1:00	<p>Discussion on recruitment of postdocs and postgraduate students and researcher skill development: experience and challenges</p> <ul style="list-style-type: none"> • Mark Gahegan (The University of Auckland) • Albert Bifet (University of Waikato) • Q&A 	Albert Bifet
1:00-1:30	<p>Discussion on Mātauranga in the science system</p> <ul style="list-style-type: none"> • Willy-John Martin (MBIE) • Peter-Lucas Jones (Māori Television) • Margaret Williams (Auckland University of Technology) • Neb Svrzikapa (VUW) • Q&A 	Peter-Lucas Jones
1:30-2:00	<p>Discussions on cooperation and collaboration: experience and challenges</p> <ul style="list-style-type: none"> • Ross Vennell (Cawthron Institute) • Michael Howden/Jeremy Wright (Beca) • Q&A 	Danette Olsen
2:00-2.30	<p>Updates</p> <ul style="list-style-type: none"> • Mid-term Review: Catherine Hunter (MBIE) • National AI Strategy/White Paper: Albert Bifet (University of Waikato) • Q&A 	Danette Olsen
2:30-2:45	<p>Closing</p> <ul style="list-style-type: none"> • Wrap-up (Danette Olsen) • Next year (Albert Bifet) • Karakia (Terence Hikawai) 	Danette Olsen