



IGS Newsletter

www.insitu.com.au

Michael O'Rourke
mick@insitu.com.au
0407-467-025

Mark Chapman
mark@insitu.com.au
0437-824-776

Geotechnical Services
CPT & Piezocone & SCPT
Dilatometer & SDMT
Seismic Dilatometer
Vane Shear
Tee-Bar
Push-Sampling
Piezometer Installation
In Situ Permeability

Some Of Our Rigs
Esme – 12-15t all-terrain



Bervl – 15t 4 wheel drive



Ennice – 20t 6x4 bogey



Minnie - Mini-Jack-Up



Sean and Allan Go To Vancouver

Two weeks ago, Sean and Allan from IGS attended the 2019 Tailings and Mine Waste Conference in Vancouver, run by the University of British Columbia (UBC) in conjunction with Colorado State University, the University of Alberta and a volunteer Committee. The conference was chaired by an old friend, Dirk Van Zyl of UBC.



Dirk Van Zyl
Conference Chair

As one would expect, the conference was right up-to-date with tailings news and technology; including insightful information on recent & past failures.

There were 33 Australian delegates at the conference; several were presenters. For proceedings see - <https://tailingsandminewaste.com/2019/ProceedingsofTailingsandMineWaste2019.pdf>



Joe Rola from SRK (Perth)
– having a nice time at the conference dinner.



Peter Chapman from Golder (Perth) – presenting on quantification of risk.



Sean laughing at Allan

Allan - excited while receiving a prize for something or other.

As well as having an overall great time at the conference, we learned some valuable things, which of course is one underlying reason for attendance.

One thing in particular was confirmed and reinforced; that site investigation and monitoring of tailings deposits involves working at the cutting edge of soil mechanics:

- test equipment sensitivity and calibration are of paramount importance – simply following prescriptive Standards is not good enough;
- strength and compressibility lab testing of tailings requires the highest quality sampling processes – simply pushing Shelby Tubes is not good enough;
- test methods developed for normal geotechnical investigation might warrant closer examination (eg push speeds for CPTs, rotation speeds for Vane Shears);
- this is an evolving process that cannot be ignored.

Another thing reinforced by attendance at the conference is that IGS is "doing well" by any world standards. But be aware that we are not complacent about this; our new learnings will be reflected in our future evolution, as past learnings have been reflected in our history.



Peter Robertson Allan Paul Mayne
Quoting Paul, "Three wild and crazy guys !!!"

reducing geotechnical uncertainty