

# NELSON DISCUSSION GROUP – APRIL

*‘Enjoying learning from each other’*

Friday 15 April 2016

## Fast Facts

### Discussion Leader/Presenter:

Al Tattersall' Mining Engineer

### Topic:

Geology and Engineering-the Interface  
and a mining engineers perspective

### When:

5pm Friday 15 April 2016

### Where:

Golder Associates

Level 3, 295 Trafalgar St.

Carol Foote on 03 548 1707 or

[CFoote@golder.co.nz](mailto:CFoote@golder.co.nz) for any further  
information

**Cost:** free for all

### Includes:

Our Discussion Group welcomes all persons  
with engineering, geoscience and  
environmental interests.

Our regular gatherings are held on the second  
Friday of each month from 5pm. We learn  
from each other through relaxed and  
facilitated discussion in-the-round.

The Discussion Group series is brought to  
you by Nelson members of the AusIMM New  
Zealand Branch and is worth 2 PD hours



## Geology- A Mining Engineers' Perspective

**Presenter/Discussion Leader: Al Tattersall, Mining Engineer**

Geology and Engineering: our discussion will address the interface  
and between the technical world and the real world.

We'll explore expectations and adventures arising from the alignment  
(or lack thereof) between these disciplines

Al Tattersall is a mining engineer who has worked and overseen  
projects in Canada, South Africa, USA, Mexico, Bolivia, New Zealand,  
Australia, Indonesia and the Philippines.

After graduating from Queen's University, he worked in mine  
operations in underground gold in South Africa, before returning to  
Canada and working in a variety of engineering and operational roles  
in open pit coal mines for Teck- Cominco in the Peace River area of  
British Columbia. He took a lay-off opportunity to sail for two years  
with his family and young children, from 2000 to 2002, and returned to  
work with Coeur d'Alene mines, eventually as Mine Manager at the  
Rochester Mine, and then as Corporate Mine Engineering Manager  
overseeing open pit and underground mining project start-ups in  
Bolivia and Mexico. He has been with Golder in New Zealand since  
2010, working on and managing multidisciplinary mine planning and  
project feasibility studies primarily in Australasia in addition to his role  
over the last few years as New Zealand Mining Team Leader for  
Golder. He has recently commenced a sabbatical to work on  
personal projects that are not directly related to his career, widely  
rumoured to include a long sailing trip.

His discussion will draw on his and our experiences and embrace his  
interest in how professionals in different disciplines must work  
together, and the consequences of not doing so.

### PREVIOUS MEETING

**Environmental Legacy of Mining: Wastes, Remediation and the Future**  
**Karen Hudson-Edwards. Visiting Lecturer**

Karen led us in discussion of risks and remediation with particular reference to  
downstream river systems using brilliant images from around the world ranging  
from mining at the dawn of history through to recent tailing dam failures.

### UPCOMING MEETINGS

- **May13:** Fluid-Induced Earthquake Activity as a Guide to Mineralizing  
Process: Uses of human induced earthquakes and faulting: Rick Sibson
- **June 10:** Geometry and reactivation history of inverted faults in the  
Taranaki Basin: Controls on petroleum traps and migration: Francesca  
Ghisetti
- **Proposed:** Geology and Mining Field Excursion to Cobb Valley

For information on programs contact NDG Coordinator/Convenor and AusIMM  
NZ Branch Nelson Local Organiser, Peter Hancock  
[hancockpm@gmail.com](mailto:hancockpm@gmail.com) or [cfoote@golder.co.nz](mailto:cfoote@golder.co.nz)