

September Edition

As Spring arrives, we have seen many of our colleagues on the PRIME Channel 'Aftermath' series about the psychology and business regrowth in Christchurch as they adopt the "new normal" into everyday lives. Episodes to date have provided valuable insights into these areas and our last meeting provided more (see below).

Scott Miller, Principal of Silvester Clark and host of the latest meeting, gave an insight to what it means to be a USAR representative for the NZ Fire Service, having joined the team following his role in the 2009 Padang mission to Indonesia, to assess building damage and pass on and gain knowledge of how to "Build back Better".

Training has been an integral part of the past 4 years along with USAR operations in Christchurch and Japan following major events which provided unique challenges in very different conditions not only in location but in the types of damage. Palmerston North has provided a key training area however Scott admits going to the NASA training camp and being tested in the "Fun House" has been a highlight to date.

Special mention must go to David Brunson, first Team Leader of the Padang mission, for "encouraging" Scott to join up with USAR. USAR continues to grow and Scott encourages any engineers who would like further information about how to become a part of the team to contact him at Silvester Clark.

Scott.Miller@silvesterclark.co.nz

In this issue we highlight two of our newer members and their products in brief, along with full presentations as attachments.

Co-Chairs' Update

With the appointment of Phillip Gibson as DRM Special Envoy and the closer liaison with MFAT through Michael Hartfield and Simon Williamson, we are extremely pleased with the progress being made in establishing a DRM External Advisory Group, including representation from Natural Hazards Inc., to encourage better coherency around offshore NZ Inc. disaster risk management engagement.

We have had positive feedback from John Norton who recently accompanied Phillip Gibson throughout a South East Asian visit and look forward to viewing the opportunities that should arise over the coming months from these visits.

We are also pleased to see a delegation from the World Bank will be here during September and look forward to meeting with them to have a round table about other opportunities.

All in all there are some positive steps being made and we thank all those who have been involved and look forward to providing more detail in due course.

Greg Szakats & Hannah Brackley, Co-Chairs.



Scott Miller and his transport



At minus 17 degrees Celsius base camp



Gymnasium in Japan 12m above sea level – note the fishing nets coming out the windows



Overlooking the landscape

Thanks to Scott Miller for providing these photos.



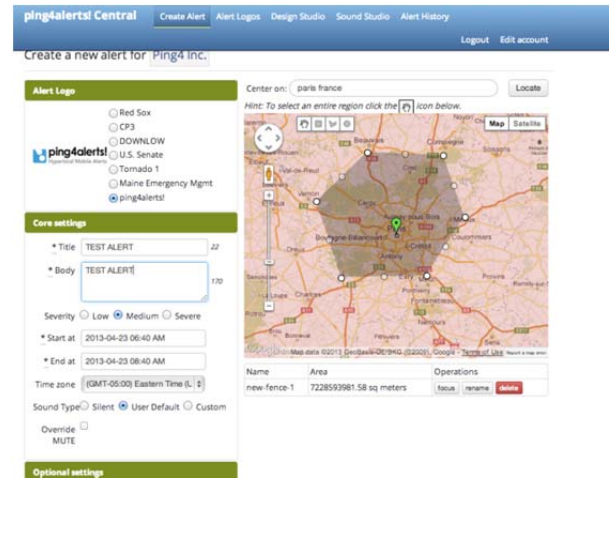
Inside the Gymnasium

Profile 1: Mick Turner - Ping4Alerts

Cratos Limited, one of our newer members, presents Ping4Alerts – a Geo-fencing application to assist in all areas of emergency management.

A summary of the Alert Portal features includes:

- SaaS: web interface
- Alerts can be hyperlocal or to the entire region or countrywide
- Predefined or custom polygon geofence capability
- Rich-media alerts
- Link to hosted website
- Mobile landing page
- Anonymous tips
- Social Media interface



For the full overview of Ping4Alerts, see the attached power point presentation or visit www.cratos.co.nz

Mick is also the distributor for Aeryon UAV's and PSS Window Films and Laminates, two world leading products recently introduced to New Zealand.

Profile 2: Graham Nel – Disaster Prepare Limited (<http://disasterprepare.co.nz/>)

Graham has been a member of Natural Hazards Inc. for just over a year now and has been actively involved with events held during this time, along with developing QuakeFlex™.



Having won several awards over the past 3 years, Graham is looking to further develop written material to assist building and home owners with the correct installation of seismic restraints, in collaboration with Mark Burling of Seismic Restraints. We look forward to seeing the results of this joint venture.

New Member's Profile



Michael Roach is the Director and Founder of CSI Ltd. The 'company' has been operational with Michael as 'owner/operator' since mid-2011. However, the company has been given his focus and 'launched' at the Wellington Rocks Earthquake Resilience Expo in April this year. Jane also has a vested interest in the company and has been working on marketing CSI Ltd on a part time basis for the past 5 months, as she juggles other commitments.

Michael's background was originally in construction and in his younger days he ran a reasonably large construction company. He was then recruited to be Project Manager on several developments and this line of work raised the need for the ability to check out what was happening 'within' concrete structures. This is where the 'seed was planted' for the need to develop a comprehensive concrete scanning and reporting process.

As well as Michael and Jane, CSI Ltd now has 4 staff working on scanning, reporting, marketing and office/accounts management. However, at CSI Ltd we also offer plenty of other services and are keen on developing these ... we offer more diagnostic testing and wish to grow our scope: we have reliable concrete core testing, reinforcing yield strength tests, crack monitoring, void detection, carbonation of concrete and rebar corrosion determination. One of our staff is a PhD Engineering Graduate from Germany. His ability to unlock the capabilities of the Hilti Scanners has also grown our range of services. Our reporting back to Engineers has increased detail and improved format. Our aim is to continue growing our scanning and reporting expertise but also develop the other diagnostic services we offer.

Concrete Structure Investigations Ltd

www.csiferroscan.co.nz

0800 33 77 67

Michael@csiferroscan.co.nz

Recent Successes for Robinson Seismic NZ Ltd

Robinson Seismic NZ Limited has recently completed a project in Iran (Emain Hussein Hospital), providing 100 Lead Rubber Bearings and 50 Natural Rubber Bearings, and another project in Indonesia for the Australian Embassy, supplying 125 Lead Rubber Bearings.

They are also commencing a project in Turkey (Izmir Highway) in collaboration with DIS and Emke Construction. The RSL share of this huge project is 2300 Lead Rubber Bearings, which are presently in production. And another international project getting underway is for a LNG tank in China, for which RSL will supply 360 High Density Rubber Bearings, currently in production.

On the domestic front, RSL is waiting for a couple of projects to be confirmed: Project Gemini (Telecom Data Centre in Auckland) will require 60 Lead Rubber Bearings, currently at prototype testing stage; and the Tauranga Eastern Link Roading Project, for which thousands of metres of rubber strip and bridge expansion joints would be supplied.

Interesting Links

For the latest news and events from other organisations:

- CERA (Canterbury Earthquake Recovery Authority): www.cera.govt.nz
- Canterbury Earthquakes Royal Commission: <http://www.canterbury.royalcommission.govt.nz>
- New Zealand Society for Earthquake Engineering: www.nzsee.org.nz
- NZ Aid Programme: www.aid.govt.nz/
- Pacific Disaster Net: <http://www.pacificdisaster.net>

Upcoming Natural Hazards Inc. Meetings

24 October 2013 – NIWA, Evans Bay Parade, Wellington

5 December 2013 – venue to be confirmed.

Natural Hazards Inc. Members' Expertise

- Strategies for disaster risk reduction, readiness, response and recovery.
- Development of organisational frameworks for emergency management.
- Emergency management education.
- Community preparedness for natural disasters.
- Multi-hazard land use planning.
- Improvement of building controls, standards and codes.
- Seismic retrofit strengthening of buildings, including simple houses.
- Seismic isolation of important buildings such as hospitals, schools, emergency management centres, government buildings, apartment buildings and heritage buildings.
- Tsunami and flood risk assessment, modelling and mitigation strategies.
- Disaster risk insurance strategies and systems.

Natural Hazards Inc. Key Contacts

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