



2011 - 2012

November Meeting Notice

Minnesota Geotechnical Society

Findings of the Geo-Engineering Extreme Events Reconnaissance Team's Investigation of the September 4, 2010, Mw7.0 Darfield and February 22, 2011, Mw6.1 Christchurch, New Zealand Earthquakes

John Allen, TRI Environmental, Inc.

The Geo-Engineering Extreme Events Reconnaissance team mobilized and performed a geotechnical investigation following the 4 September 2010, Mw 7.0 Darfield and 22 February 2011, Mw 6.1 Christchurch, New Zealand Earthquakes. These events are the most costly natural disaster to strike New Zealand resulting in the total loss of some 7500 residential homes and 183 lives. The reconnaissance team composed of American and New Zealand researchers documented widespread liquefaction and lateral spreading and the affects that it had on earthen structures, foundations, and lifeline systems. The presentation will cover the geology, liquefaction and lateral spreading, damage to structures as a result of geotechnical failures, damage to the levee (stopbank) system, and impacts on lifelines and port facilities from a geotechnical engineering perspective. Additional research is underway using the finding of this reconnaissance effort and summarized in this presentation.

Date: Wednesday, November 9, 2011

Location: Rose Vine Hall (downstairs at Grumpy's Bar & Grill)
2801 Snelling Ave. N., Roseville, MN

Time: 6:00 Social Hour, Sponsored by AET.

7:00 Dinner & Dessert: Salad, Rolls, Coffee/Soda and a choice of:

1. 10-Ounce Top Sirloin - Char-grilled and topped with bleu cheese garlic butter. Served with white cheddar mashed potatoes and a sautéed vegetable medley – \$35.00*
2. Stuffed Pork Chops – Two char-grilled pork chops stuffed with golden raisins, cornbread and apples – \$35.00*
3. Feta Cheese and Sun-Dried Tomato Stuffed Walleye - Served over white cheddar mashed potatoes with a drizzle of lemon thyme butter sauce – \$35.00*
4. Chicken Fettuccine Alfredo - Fettuccine noodles, snow pea pods, and mushrooms tossed in an Alfredo cream sauce and topped with a grilled chicken breast and parmesan cheese – \$30.00*
5. Cobb Salad – Iceberg topped with turkey, ham, bacon, hard cooked eggs, avocado, diced tomatoes, bleu cheese crumbles, and black olives with choice of dressing (Ranch, FF Ranch, Bleu Cheese, French, FF French, Italian FF Italian, Balsamic Vinaigrette) – \$25.00*

* See Cost

8:00 Presentation – John Allen, TRI Environmental, Inc.
(One professional development hour toward continuing education requirements for Professional Engineers is available).

Cost: Paid 2011-2012 MGS Members receive a \$5 meeting discount on the meal costs listed above. The cost to full-time students is \$5, payable to MGS at the door.

Reservations: Requested by 12 Noon, Friday, November 4, 2011

Please register via the website at <http://www.mngeotechnicalsociety.com/eventsmppls.asp>

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