



# 2013 - 2014

## March Meeting Notice

# Minnesota Geotechnical Society

## Unsaturated Soil Mechanics: Principles and Applications

**William Likos, PhD. – Associate Professor, University of Wisconsin-Madison**

This presentation will clarify the basic principles of unsaturated soil mechanics and highlight several practical applications in geotechnical engineering where consideration of the unsaturated condition is warranted. Major differences between saturated and unsaturated soil behavior will be described. The concepts of soil suction and the soil-water characteristic curve will be clarified along with common methods available for their measurement in practice. Case histories involving heat transport in near-surface unsaturated soils and precipitation-induced landslides will be presented.

**Date:** Wednesday, March 12, 2014

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

**Time: 6:00** Social Hour – Sponsored by American Engineering Testing

**7:00** Dinner: 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 – William Liko, PhD. – Associate Professor, University of Wisconsin-Madison  
(One professional development hour toward continuing education requirements for Professional Engineers is available).

**Cost:** Paid 2013-2014 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, March 7, 2014

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

Please print, fill out and bring the New Membership Application to the next meeting. The form is at: <http://www.mngeotechnicalsociety.com/aboutmembership.asp>

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