

Bouchedid, Michel/SEA

From: Bouchedid, Michel/SEA
Sent: Tuesday, January 11, 2011 2:07 PM
To: 'asceseattlesectiongeotechnicalgroup@seattlegeotech.talklist.com'
Subject: ASCE SSGG January Announcements
Attachments: ASCE Dinner meeting_27JAN2011_Chile EQ.pdf

Dear ASCE Seattle Section Geotechnical Group Members,

On January 5, 2011 our group signed a Memorandum of Understanding (MOU) with the Geo-Institute (G-I) of ASCE authorizing the creation of the Seattle Geo-Institute Chapter. We will now be known as both, the ASCE Seattle Section Geotechnical Group and the Seattle Chapter of the Geo-Institute. We will have both logos on our flyers and announcements in the future. If you are interested in learning more about what this transition means to our group and our members, feel free to email me your questions. I would like to take this opportunity to thank our past membership chair, Bo McFadden, for assembling and presenting information to our board and taking the lead in negotiating the terms of our MOU with the G-I, and our past president, Sean Caraway, for bringing our transition to the forefront of our goals during his term.

Please see below for more information on the following topics:

- January 27th Planning Meeting
- January 27th Dinner Meeting

JANUARY 27th PLANNING MEETING

The monthly planning meeting will be held at the Red Lion on Thursday January 27th at 4:00 PM. The planning meeting will last until about 5:30 and will be followed by the dinner meeting social hour. We would like to see representatives from all firms present at our planning meetings. Please RSVP by noon on Tuesday January 25th to Tyler Stephens TJS@shanwil.com if you wish to attend.

JANUARY 27th DINNER MEETING

Topic: OBSERVATIONS DURING RECONNAISSANCE FOLLOWING THE FEBRUARY 27, 2010 MAULE, CHILE EARTHQUAKE ($M_w = 8.8$)

Speakers: Tony M. Allen, P.E., M. ASCE, State Geotechnical Engineer, Washington State Department of Transportation
Pedro Arduino, Ph.D., P.E., M. ASCE, Associate Professor, Department of Civil and Environmental Engineering, University of Washington
David A. Baska, Ph.D., P.E., CEG, M. ASCE, Senior Consultant, Terracon Consultants, Bellevue, Washington

Time: 5:30 (Social); 6:30 (Dinner); 7:30 (Program)

Location: Red Lion Inn, 11211 Main St, Bellevue, WA

Details: See attached flier for details.

Regards,

Michel Bouchedid
President
ASCE Seattle Section Geotechnical Group and Seattle Chapter of the Geo-Institute
<http://www.seattlegeotech.org/>

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**ASCE SEATTLE SECTION GEOTECHNICAL GROUP
 JOINT DINNER MEETING
 WITH ASCE SEATTLE SECTION
 THURSDAY January 27, 2011**

Topic: OBSERVATIONS DURING RECONNAISSANCE FOLLOWING THE FEBRUARY 27, 2010 MAULE, CHILE EARTHQUAKE ($M_w = 8.8$)

Time: 5:30 – Social Hour, 6:30 – Dinner, 7:30 – Program

Place: Red Lion Inn, 11211 Main St, Bellevue, WA

RSVP: **Please RSVP** with your dinner entrée preference (Burgundy Beef Tips or Vegetable Lasagna) via: Our website www.seattlegeotech.org, or e-mail to rsvp@seattlegeotech.org by **4:00 PM on Tuesday January 25th, 2011 for the advance RSVP rate.**

Cost: \$35 with advance RSVP. \$40 with reservations made after January 25th deadline or at the door. \$15 for non-reimbursed public agency employees and students. If you are a student and would like to be sponsored, please specify when you RSVP. You can pay via Paypal or credit card online, or at the door by cash or check payable to "ASCE Seattle Geotechnical Group"

Speakers: Tony M. Allen, P.E., M. ASCE, State Geotechnical Engineer, Washington State Department of Transportation

Pedro Arduino, Ph.D., P.E., M. ASCE, Associate Professor, Department of Civil and Environmental Engineering, University of Washington

David A. Baska, Ph.D., P.E., CEG, M. ASCE, Senior Consultant, Terracon Consultants, Bellevue, Washington

Abstract: On Feb. 27, 2010, a large subduction zone earthquake (M_w of 8.8) occurred just off the central coast of Chile. The presenters were members of a couple of teams that traveled to Chile (primarily Santiago to Concepcion, and points in between) within approximately one month after the main shock to observe firsthand the extent of the damage, focusing primarily on the geotechnical aspects of the damage that occurred to structures, including buildings, bridges, walls, and port facilities, and damage to fills and slopes. They observed damage due to liquefaction, ground movement resulting from the presence of weak soils, tsunamis, subsidence and uplift, and seismic ground motions. While there were concentrated areas of more severe damage, there were also major areas that suffered only minimal damage. Considering that Chile possesses many facilities that have been designed for both static and seismic loads using modern design codes, and that this earthquake could be very similar to the subduction zone earthquake that is likely to occur along the Pacific Northwest coast, there is much to be learned from the Chilean experience. The presenters will discuss their observations and findings from the information gathered from their travels in Chile.

ASCE Seattle Section Geotechnical Group – 2009-2010 Officers

www.seattlegeotech.org

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Bios:

Mr. Tony Allen earned his bachelor's degree in civil engineering in 1980 and masters degree in geotechnical engineering in 1983, both at Oregon State University in Corvallis, Oregon. After leaving OSU in 1983, he began working for the Washington State Department of Transportation (WSDOT) as a geotechnical engineer. He has been the State Geotechnical Engineer for the WSDOT since 1993. In that position, he has functioned as the statewide geotechnical policy maker for the agency, and additionally manages 60 staff to provide geotechnical services to WSDOT statewide. He has also been active nationally in the geotechnical profession, serving as a member of the AASHTO T-15 Technical Committee on foundations and walls since 1997, and as Vice-Chair since 2003, playing a lead role in writing most of the current AASHTO foundation and retaining wall design specifications. Tony also chairs the AASHTO National Transportation Product Evaluation Panel (NTPEP) technical committee on geosynthetics. Tony has been active in research in retaining wall and foundation design, use of reliability theory to develop load and resistance factors for foundation and wall design, geosynthetics, and seismic design, and has published over 60 journal and conference papers, and manuals on these subjects. He has been the recipient of several international awards.

Pedro Arduino received his Bachelor of Science in Civil Engineering from the Universidad Nacional de Cordoba, Argentina in 1988, a Master of Science in Civil Engineering from the University of Puerto Rico at MayagYez in 1993, and a Master's of Science and Ph.D. degrees from the Georgia Institute of Technology in 1995 and 1996, respectively. His research interests include constitutive modeling of soils, mechanics of porous media, and numerical methods in geomechanics. In 1997, he joined the faculty of the University of Washington as an assistant professor of Civil and Environmental Engineering.

Dave Baska has been a practicing geotechnical engineer since graduating from the Colorado School of Mines in 1984. Dr. Baska's interest in earthquake engineering was sparked by Harry Seed while earning his Master of Science degree from UC Berkeley in 1988. Nine years ago, Dave completed his doctoral program at the University of Washington. As a Senior Consultant for Terracon, he provides engineering seismology and earthquake engineering services throughout the world. Dave traveled to Chile as a member of the Structural Engineers Association of Washington reconnaissance team.