



October Luncheon Notice:

We are pleased to announce this month's guest speaker is Mr. Linn Mills of the Southern Nevada Water Authority. Mr. Mills will be speaking on the topic of "Las Vegas Springs Preserve". The meeting will be held on Tuesday, October 21, 2008 at Lawry's Prime Rib at 4043 Howard Hughes Parkway.




A much sought-after lecturer and horticulture expert, Linn Mills has been both a student and teacher of Nevada plant life for more than thirty years. Mr. Mills served as an anchor for "Water Ways" on Government Access Channel TV 4. He was also the producer for "Gardening in Las Vegas" on Station KLAS TV 8. Mr. Mills contributed articles to Las Vegas Life, Southwest Trees and Turf, and currently writes a weekly garden column for the Las Vegas Review Journal.

For his work, Mr. Mills was awarded the annual "Tomyiasu Award" from the Green Industry, the Extension "Agent of the Year" award from the State of Nevada and numerous other awards. Mr. Mills earned his undergraduate and graduate degrees in horticulture from Utah State University. Currently, Mr. Mills serves on the Southern Nevada Water Authority and focuses on youth education, water conservation, and teaching at the Las Vegas Springs Preserve Desert Demonstration Garden.

The lunch will be held from 11:30 A.M. to 1:00 P.M. and the cost is \$25.00 for those who RSVP before 12:00 P.M. on Friday, October 17, 2008 and \$27.00 for those who register thereafter. If you would like to attend the October luncheon, please RSVP on the NSPE website <http://www.nspenv.org/south/lunch-rsvp.html> or contact Brook Demitropoulos at (702) 804-2042.

October Luncheon Sponsor:



LOCHSA ENGINEERING
Civil and Structural Engineering

6345 S. Jones Boulevard, Suite 100
Las Vegas, Nevada 89118
702-365-9312 Phone 702-365-9317 Fax

www.lochsa.com

Calendar of Events:

Date	Activity / Location	Time
Thursday 10/09/08	Fall Transportation Conference at Cox Pavilion	7:30 AM
Tuesday 10/21/08	NSPE Monthly Luncheon Speaker Linn Mills	11:30 AM
Friday 10/24/08	PE Exams at UNLV & LV Reynolds Boy Scout Center	8:00 AM

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Thank you to Willard Pack and Black & Veatch for sponsoring the September luncheon. The NSPE Southern Nevada Chapter and our Officers are grateful to all the local engineering companies like Black & Veatch who continue to support NSPE efforts. If your company is interested in being a sponsor in 2009, please contact Allen Pavelka at apavelka@co.clark.nv.us.



NSPE Elects New President:



A new National NSPE President was elected at the conference in Portland, Oregon in July and follows is a brief excerpt from his article from the August/September PE Magazine called "The Glue that Binds Us"

By President Bradley Aldrich, P.E., F.NSPE

"The "glue that binds us" and sets us apart from the rest is that our technical knowledge has earned us the unique right to exercise professional judgment. This special knowledge also means that, under state laws, our occasional negligence or shortcomings can be judged only by our peers. The average person simply lacks the knowledge and experience to determine whether we have met the high standard of care set for professional engineers. We are responsible for policing each other and holding each other accountable to this very high standard of care. I am responsible not only for my own acts and omissions, but in a real sense, I am also responsible for a degree of oversight for you and vice versa. If we ever fail each other, we also fail to uphold our responsibility to the public. This is what sets us apart from the rest of the engineering and technical community.

The National Society of Professional Engineers was founded on this principle and the belief that one organization needs to represent the interests of every professional engineer, regardless of discipline. NSPE is the voice and advocate of the professional engineer. This is our vision statement, and it continues to be our purpose as an organization. No other organization is dedicated specifically to your unique interests as a professional engineer. We advocate for your interests in our nation's capital and in each of the fifty states, the District of Columbia, Guam, and Puerto Rico. NSPE represents your interests to state and federal agencies and the international engineering community. We also represent your interests to engineering organizations, such as the National Council of Examiners for Engineering and Surveying, which administers the licensure exams, and ABET, which accredits the engineering curricula in our universities. This is one of many reasons why I am an NSPE member, and I expect it is one of yours.

But NSPE does so much more than just advocate for your professional interests. Through professional development, leadership opportunities, mentoring, networking, and public outreach, the Society enhances your image as a learned professional and your ability to ethically and professionally practice engineering."

News & Updates:

- PE Exams are being held at 8:00 AM on Friday, October 24, 2008 at the UNLV Stan Fulton Building and the Las Vegas Reynolds Boy Scout Center. Lunches will be provided by NALS and NSPE.
- The Fall Transportation Conference is being held on October 9th and 10th, 2008 at the Cox Pavilion – University of Nevada Las Vegas. This two-day conference will consist of technical paper presentations by various authors as well as presentations by several public agencies on various transportation-related topics. If you are interested in attending, attached at the end of this newsletter is a registration form. For additional information, please contact Paul Villaluz of Martin & Martin at (702) 248-8000 or via email at pwillaluz@mmcivil.com.
- Attention golfers and not-so-serious golfers alike! **Save the date!** The 9th Annual MATHCOUNTS golf tournament is Friday, November 7 at Primm Valley Golf Club, The Lakes Course. Shot gun start is 8:30 AM. Fun contests and prize raffle. A nice day to spend with clients and colleagues while simultaneously supporting a worthwhile educational program. This is THE fundraiser for the MATHCOUNTS program here in Southern Nevada. All proceeds benefit middle school students right here in Las Vegas. A flyer is included at the end of this newsletter for those interested. If you have any questions, please feel free to email Claire Kohatsu at (702) 334-6117. Spaces are limited so reserve your spots ASAP.

NSPE Engineer's Creed

As a Professional Engineer, I dedicate my professional knowledge and skill to the advancement and betterment of human welfare. I pledge to give the utmost of performance; to participate in none but honest enterprise; to live and work according to the laws of man and the highest standards of professional conduct; to place service before profit, the honor and standing of the profession before personal advantage, and the public welfare above all other considerations. In humility and with need for Divine Guidance, I make this pledge.

Adopted by the National Society of Professional Engineers, June 1954.



Future Cities Engineering:

Camille McCue of The Alexander Dawson School and Dr. David James, PHD, PE of the University of Nevada, Las Vegas have co-written a paper which was included in the Advances in Engineering Education (AEE) Journal, Summer 2008 edition. This paper describes qualitative and quantitative research conducted with middle school students participating in a Future Cities Engineering course. Insights were sought regarding both affective and cognitive changes which transpired during the one semester schedule of activities focused on modeling the infrastructure of a city built 150 years in the future. Modeling activities consisted of both a computer simulation, SimCity 3000 Unlimited, and the construction of a physical scale model depicting student visions. To determine the efficacy of SimCity in serving as a realistic modeling tool, the software was "ground-truthed" by comparing Sim dimensions to the dimensions of analogous objects (roads, water pipes) in the real world. An age-appropriate attitude survey was developed and administered with the goal of measuring student disposition towards the engineering profession. Additionally, a multiple-choice content test was developed and administered both pre and post instruction to obtain a quantifiable measure of student learning. Findings show that student participation in such a course can lay favorable foundations for appreciation of and participation in the engineering profession.

If you would like to read the full paper titled "Future Cities Engineering: Early Engineering Interventions in the Middle Grades" please visit the ASEE website at <http://advances.asee.org/vol01/issue02/04.cfm>.

Electronic Signature Workshop:

The Nevada State Board of Engineers and Land Surveyors will be organizing a panel discussion and workshop to discuss the status of electronic review, stamp and signature of engineering and land surveying drawings, plans and maps. NSPE will be working with other professional societies, including ACEC, ASCE and NALS, to organize this workshop. The intended date for this panel discussion and workshop is January 2009. A planning meeting will take place in November 2008, where Public agency personnel will meet to discuss their current practices and proposed remedies. Please watch this space for additional details.

2008-2009 Chapter Officers:

- President..... Allen Pavelka, PE
Clark County Public Works
- Vice President..... Brook Demitropoulos, EI
GC Wallace
- Treasurer Rosa Cortez, PE
City of Las Vegas Public Works Dept.
- Secretary..... Tony Hills, PE
Southwest Gas
- Director James Cahill, PE
Geotek, Inc.
- Director – Membership/Website..... Willard Pack, PE
Black & Veatch
- Past President..... Dr. David James, PhD, PE
University of Nevada Las Vegas

2008-2009 NV State Officers:

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Aztech Materials Testing
- President Elect..... David James, PhD, PE
University of Nevada Las Vegas
- Vice President-Auditing..... Rosa Cortez, PE
City of Las Vegas Public Works Dept.
- Past President..... Tom Miller, PE
Martin & Martin
- National Director Charlie Vaughn, PE
- State Administrator..... Ramona Lesley

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- Trustee..... Allen Pavelka, PE
- Trustee..... David James, PhD., PE
- Trustee..... Claire Kohatsu, PE
- Trustee..... Rosa Cortez, PE
- State MathCounts Coordinator..... Christine Smith, PE
- Foundation Auditor Emeritus..... Charlie Vaughn, PE
- Treasurer Ramona Lesley

9th Annual MATHCOUNTS and NSPE Scholarship Golf Tournament

Sponsored By:
NSPE

**Primm Valley Golf Club
Lakes Course**

November 7, 2008

Registration begins at 7:15 a.m.

Shot Gun Start at 8:30 a.m.

Scramble Format



Lunch



Contests



Prizes

Driving Directions to Primm Valley Golf Club:

Take I-15 South approximately 45 miles.
Drive through Primm, NV 4 miles into California.
Take first Exit, Yates Well Road.
Right to the golf course.

If you have any questions, please call Claire Kohatsu, PE of
Aztech Materials Testing at (702) 334-6117

9th Annual MATHCOUNTS Golf Tournament Entry & Sponsorship Form

Four Person Scramble Format

🚩 Raffle Drawing 🚩 Closest to Pin 🚩 Longest Drive

Please indicate how many of each:

- ___ 🚩 Registration Fee for Golf @ \$150 per player
___ 🚩 Mulligans \$5.00 each

Name of Players

Name of Company

Telephone

___ 🚩 Tee/Green Sponsor @ \$150 Per Sign

Name to appear on sign:

Because we are limited to 72 players, your registration will not be official until your check is received OR you guarantee your registration with Claire Kohatsu at (702) 334-6117.

Please make checks payable to NSPE (TIN 94-2978625) and send to:

Claire Kohatsu, PE
Aztech Materials Testing, Inc.
4700 Copper Sage Street, Suite A
Las Vegas, NV 89115

Registration and payment due by October 31, 2008.

16th ANNUAL FALL TRANSPORTATION CONFERENCE

Dates: *October 9-10, 2008*

Location: *Cox Pavilion – University of Nevada, Las Vegas*

Sponsors: *Southern Nevada Branch of the American Society of Civil Engineers
Nevada Chapter of the Institute of Transportation Engineers
Nevada Chapter of the Intelligent Transportation Society of America
Transportation Research Center at the University of Nevada, Las Vegas*

Conference Details:

This two-day conference will consist of technical paper presentations by various authors as well as presentations by several public agencies on various transportation-related topics. The conference will also include exhibits by a number of transportation vendors. Conference attendees will earn 13.0 Professional Development Hours (PDHs). A preliminary program summary is attached.

The conference will be held at Cox Pavilion located on the northeast corner of the intersection of Tropicana Avenue and Swenson Street in Las Vegas, Nevada. A location map is provided on the following page. Parking will be available in the Black VIP lot in front of the Cox Pavilion. Participants should make their own travel and hotel arrangements as early as possible. Last-minute hotel reservations in Las Vegas can be difficult to obtain.

Registration and Fees:

The fee for registration applications postmarked by Thursday, October 2, 2008, is \$90 for members of a sponsoring organization, \$125 for non-members, and \$50 for university students. A late fee of \$20 (\$25 for non-members) will be added to registration applications postmarked after October 2, 2008. The registration fee includes a continental breakfast on both Thursday and Friday, as well as Thursday's luncheon and evening social. Registrations received after the early-registration deadline are not guaranteed lunch. Please complete the attached registration form and mail along with registration fee to the address below or fax the registration form to (702) 895-4401. Checks can follow by mail. Please visit www.ftclasvegas.com for more information.

University of Nevada, Las Vegas
Transportation Research Center
4505 South Maryland Parkway
Box 454007
Las Vegas, NV 89154-4007

Please make all checks payable to Board of Regents, UNLV.

For more information, please contact:
Paul Villaluz, Conference Chair
Martin & Martin
Phone: (702) 248-8000
E-mail: pwillaluz@mmcivil.com

16th ANNUAL FALL TRANSPORTATION CONFERENCE

October 9-10, 2008
Cox Pavilion – University of Nevada, Las Vegas

REGISTRATION FORM

Name: _____ Nickname for Nametag: _____

Agency/Firm: _____

Title: _____ Member of Sponsoring Society*: Y N

Address: _____

City: _____ State: _____ Zip: _____

Telephone: _____ Fax: _____

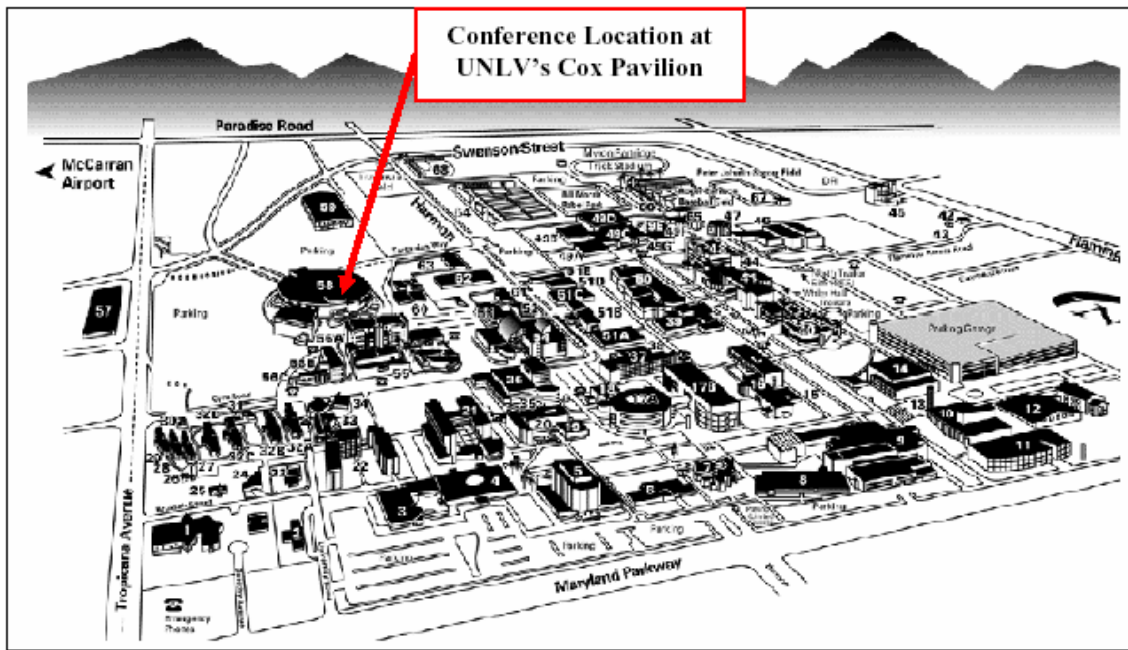
E-mail: _____

Lunch Preference: Vegetarian Chicken Beef

Please mail registration form and check payable to **Board of Regents, UNLV** to the address below by **October 2, 2008**. Registration forms may also be faxed to the Transportation Research Center at (702) 895-4401.

University of Nevada, Las Vegas
Transportation Research Center
4505 South Maryland Parkway
Box 454007
Las Vegas, NV 89154-4007

Fee Schedule*:
\$90 Member, prior to deadline
\$110 Member, after deadline
\$125 Non-member, prior to deadline
\$150 Non-member, after deadline
\$50 University Student



PRELIMINARY CONFERENCE PROGRAM SUMMARY

THURSDAY OCTOBER 9		FRIDAY OCTOBER 10	
7:30	CONFERENCE REGISTRATION & CONTINENTAL BREAKFAST	7:15	CONTINENTAL BREAKFAST
8:00	WELCOME & OPENING REMARKS	8:00	SESSION 5: TRANSPORTATION SYSTEM MANAGEMENT
8:30	SESSION 1: INTELLIGENT TRANSPORTATION SYSTEMS	8:30	Paz - Integrated corridor management Mauritz - Sydney coordinated adaptive traffic system (SCATS)
9:00		8:30	Patel & Ahmed - Boulder Highway adaptive traffic signal control system O' Brien - Porte-Cochere computer simulation modeling
9:30		9:00	BREAK
9:30	BREAK	9:30	SESSION 6: STUDENT SESSION
10:00	SESSION 2: POLICY	10:00	
10:30	Vasudevan - Policy Options for highway financing	10:30	BREAK
11:00	Gibby - Transportation and flawed energy policy Wolch - The state of traffic engineering	11:00	SESSION 7: FREEWAYS
11:30	LUNCHEON KEYNOTE SPEAKER: SUSAN MARTINOVICH (NDOT)	11:30	XXXX - MUTCD Updates Hoeft - FAST Updates
12:00		11:30	XXXX - I-15 Design Build Karachepone - I-15 Corridor Study
12:30		12:00	CLOSING REMARKS
1:00	BREAK	12:30	
1:30	SESSION 3: ITE LEGENDS	1:00	ITE BOWLING @ SOUTH POINT
1:30	Romer - What is smart transportation Ackeret - Nevada State Highway 318	1:30	
2:00	Davis - A street that doesn't need traffic calming	2:00	
2:30	BREAK	2:30	
3:00	SESSION 4: WHATS NEW IN THE VALLEY	3:00	
3:30		3:30	
4:00		4:00	
4:30	EVENING SOCIAL LIVE MUSIC FEATURING	4:30	
5:00		5:00	
5:30		5:30	
6:00		6:00	