# 2016 NMSPE Issues Conference

**November 4, 2016**

7:30 AM ~ 4:00 PM  Program

4:45 PM ~ 7:00 PM  Reception to follow the Conference at Kelly’s Brewery

UNM Science & Technology Park, “The Rotunda”

801 University Blvd. SE, Albuquerque, NM

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:30 AM ~ 8:00 AM</td>
<td>Check-in &amp; Registration</td>
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<tr>
<td>8:00 AM ~ 9:00 AM</td>
<td>Climate Change: More Uncertainty = More Risk</td>
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<td>Dr. Mark Boslough</td>
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<td>9:00 AM ~ 10:00 AM</td>
<td>Renewable Energy in New Mexico</td>
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<td>Kevin Robinson-Avila</td>
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<td>10:00 AM ~ 10:15 AM</td>
<td>Break</td>
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<td>10:15 AM ~ 11:15 AM</td>
<td>Potential changes in how residential customers use energy.</td>
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<td>Dr. Andrea Mammoli</td>
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<td>11:15 AM ~ 11:30 AM</td>
<td>Break</td>
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<td>11:30 AM ~ 12:00 PM</td>
<td>An Update from the NM Board of Licensure for Engineers &amp; Professional Surveyors</td>
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<td></td>
<td>Ronald Bohannan, P.E.</td>
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<td>Perry Valdez</td>
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<td>12:00 PM ~ 1:00 PM</td>
<td>Lunch &amp; Announcements</td>
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<td>~ Keynote Speaker ~</td>
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<td>Albuquerque Projects Update</td>
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<td>Michael Riordan,</td>
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**NEW MEXICO SOCIETY OF PROFESSIONAL ENGINEERS**
1:15 PM ~ 2:45 PM | NM Universities Student Research Presentations (4 Parallel Sessions) NEW!

**Track 1: Materials ~ Energy (Rotunda Room)**

Ahmed Kanaan, NMSU, “Correlations between plastic and electrical properties for different stainless steels.”

Aref Mazloum, NMSU, “Thermal and electrical properties of copper-graphite composites and cross-property connections.”

Sidharth Arunkumar, NM Tech, “Graphene-based composites for lightning strike protection in wind turbine blades”.


**Track 2: Aerodynamics ~ Fluids (Auditorium)**


U. Javed, NMSU H.L. Dai, Huazhong University of Science and Technology, and A. Abdelkefi, NMSU, “Aero-elastic energy harvesting using hybrid transduction mechanisms”.

**Track 3: Environment ~ Sustainability (Board Room)**

Colin Byrne, UNM, “Historical and contemporary hydrodynamic alteration in the Middle Rio Grande”.

Angela Gregory, UNM, “Forest Thinning as a Mechanism for Increasing Snowpack: Modeling Radiative Balance in Valles Caldera National Preserve, NM”.

Saman Mostafazadeh-Fard, NMSU, “Production of Liquid Organic Fertilizer Using Anaerobic Digestion of Grass Clippings”.

**Track 4: Transportation ~ Vehicle Engineering (Room 150)**

Mustafa Al-Mashhadani, UNM, “Enhancing traffic flow using vehicle dashboard traffic lights with V2I networks”.

Jelena Karapetrovic, NMSU, “Enhancement of current anticorruption practices to improve traffic safety”.


Dusan Jolovic, PhD Candidate, NMSU Civil Engineering, “Assessment of Level-Of-Service for Freeway Segments Using HCM and Microsimulation Methods”.

2:45 PM ~ 3:00 PM | Break

3:00 PM ~ 4:00 PM | Ethics (1 Credit Hour) Professor (Emeritus) Narendra Taly | CA State University, LA

4:45 PM ~ 7:00 PM | RECEPTION at Kelly’s Brewery 3222 Central Ave SE, Albuquerque, NM 87106
Come join NMSPE for a beverage!
1 drink ticket will be given to each Issues Conference attendee.
**Conference Registration Information:**

**Early Bird Discount Deadline:** October 21, 2016  **SAVE $25!**  
**Final Registration Deadline:** October 31, 2016  
**Cancellation Policy:** Cancellations  **must be received by October 28, 2016, 5:00 PM** in order to obtain a refund of your registration fee.

**Registration Fee:**  
- **NMSPE Members:** $110.00 if paid on or **before** October 21, 2016  
  $135.00 if paid **after** October 21, 2016  
- **Non-members:** $160.00 if paid on or **before** October 21, 2016  
  $185.00 if paid **after** October 21, 2016  
- **Students:** $ 35.00  
**Presenters/Speakers:** Complimentary  
(Fee includes continental breakfast, sessions, PDHs and lunch.)  

**Do you want to pay member rates? Join now and you can!**  
Application is online at [www.nmspe.org](http://www.nmspe.org)

**Payment Methods:** Make checks payable to NMSPE and mail to NMSPE, P.O. Box 94895, Albuquerque, NM 87199 or pay online at [http://nmspe.org/events/](http://nmspe.org/events/).  
**This is a prepaid event.**  
**Professional Development Hours:** Each attendee will receive a certificate of attendance good for Professional Development Hours requirements up to 4.5 PDHs, **PLUS** 1 hour of ethics.  
**Conference Location:** UNM Science & Technology Park," The Rotunda"  
801 University Boulevard SE,  
Albuquerque, New Mexico, 87106.  
Free parking available in West Parking Structure!

**Who Should Attend?**  
The Issues Conference is designed for anyone who has an interest in issues affecting New Mexico. This comprehensive overview provides attendees the opportunity to hear up-to-date information annually about topics such as water resources, drought impacts, transportation projections, economic development, ethics, security, and more.

President & Education UNM  
**Dr. Walter Gerstle, P.E.**  

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Education  
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NMEF Liaison,  
**Awards Co-Chair, & Membership**  
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Government Affairs  
**Manuel Barrera, P.E.**

Los Alamos & Santa Fe Chapter Liaison  
**Joe Barela, P.E., CFM**

San Juan Chapter Liaison  
**Matt Cramer, P.E.**

Thank You  
2016-17  
Board of Directors  

Albuquerque Chapter Liaison  
**Mike Anderson, P.E.**
Conference Registration Form:

(Mail to: P.O. Box 94895, Albuquerque, NM 87199 or email to: nmspe.state@gmail.com)

Name: _____________________________ Guest Name: _____________________________

Co. Name: ___________________________ Guest Co. _____________________________

Co. Address: ___________________________ Guest Address: ___________________________

City/St./Zip: ___________________________ City/St./Zip: ___________________________

Phone: ___________________________ Phone: ___________________________

Email: ___________________________ Email: ___________________________

NMSPE Member? Yes or No Guest a NMSPE Member? Yes or No

Dietary Requirements: Circle One: Vegetarian Non Dairy No Nuts Gluten Free Other: __________

Method of payment: (please check one)

☐ Mail a check with this form payable to NMSPE (P.O. Box 94895, Albuquerque, NM 87199)

☐ Pay Online: www.NMSPE.org Click on the 2016 Issues Conference Nov.4, 2016.

☐ Call, mail or email this form in w/credit card information

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