

# NEW MEXICO BOARD OF LICENSURE FOR PROFESSIONAL ENGINEERS AND PROFESSIONAL SURVEYORS



Board Newsletter

February 2019



## ASSISTANT ATTORNEY GENERAL



Marylou Poli was born in California and raised in Texas, where she obtained her Bachelor's from the University of Texas at Arlington. After raising her daughter, Marylou enlisted in the Army while both the Afghanistan and Iraq wars were in full swing, taking her to many more destinations, including Germany for three years. Upon graduating from law school at Golden Gate University School of Law in San Francisco, she moved to New Mexico—her choice as the best place to live and work. Marylou provides legal representation and advice to a variety of state agencies including the Board of Licensure for Professional Engineers and Professional Surveyors.

## BOARD MEMBERS

David Cooper, PS, Board Chair  
Ronald Bohannon, PE, Vice-Chair  
Walter Gerstle, PE, Board Secretary  
Augusta Meyers, Public Member, PSC Chair  
Paul Brasher PE, PEC Chair  
Glen Thurow, PE, Member  
Cliff Spirock, PS, Member  
Karl Tonander, PE, Member  
Julie Samora, PE, Member  
Vacant, Public Member

## BOARD STAFF

Perry Valdez, Executive Director  
Annette Thompson-Martinez, Deputy Director  
Benay Ward, Team Leader  
Miranda Gonzales, Financial Assistant  
Angelica Urioste, Licensing Administrator  
Stephanie Trujillo, Licensing Administrator  
Vacant, Compliance Officer  
Vacant, Executive Assistant

## MEETING SCHEDULE:

### Committee Meeting Dates    Full Board Meeting Dates

April 4, 2019

April 5, 2019

June 6, 2019

June 7, 2019

## In This Issue

- Judging Future City Competition
- Board History
- NCEES Award
- Successful Examinees
- Retirees

At the request of NCEES, our board members were again pleased to participate in a “Future City” competition at the School of Architecture and Planning (UNM) on January 13, 2019. Mr. Cliff Spirock PS volunteered to act as a regional judge for the NCEES Special Award for Best Land Surveying Practice. Mr. Walter Gerstle PE of our Board volunteered and was one of the Judges for the overall competition.

The theme “Powering Our Future—*designing a resilient power grid that can withstand and quickly recover from the impacts of a natural disaster*” was evident in the models and presentations.

The Future City Competition is a national, project-based learning experience in which 40,000 students in 6th, 7th, and 8th grade from 1,350 schools imagine, design, and build cities of the future. Students work as a team with an educator and engineer mentor to plan cities using SimCity™ software, research and write solutions to an engineering problem, build tabletop scale models with recycled materials, and present before judges at regional competitions. NCEES has been sponsoring a Land surveying award in the competition at a regional and national level for over 6 years (find out more at [futurecity.org](http://futurecity.org)).



The NCEES objective in a Special Award is to promote outreach for Surveying. The National Society of Professional Surveyors (NSPS) and the NCEES are trying to identify positive opportunities for young people as key to presenting the surveying profession as a career option. The Future City regional coordinator was Amy Sun: [newmexico@futurecity.org](mailto:newmexico@futurecity.org)

The NCEES Best Land Surveying Practices award recognizes the design that employs the best land surveying practices, taking into consideration the high standards used by surveyors to protect the public’s health, safety, and welfare. Teams should be able to demonstrate the skills and resources surveyors provide in the design, development, and maintenance of their future city.

The program is a product of DiscoverE. DiscoverE leads a growing volunteer movement that inspires and informs present and future generations to discover engineering. Each year, they host programs (like Future City) and create resources educators and volunteers can use to inspire future engineers. This year, Sandia Corporation, UNM and others led the organization and presentations lasting a full day. Keeping the engineering design process and project management front and center, students work in teams to ask and answer an authentic, real-world question: How can we make the world a better place?

Students involved in the Future City Competition spend approximately four months creating cities that could exist at least 100 years in the future. Regional competitions are held throughout the United States, Canada, China, and Egypt. The NCEES regional award in Albuquerque was a \$50 Visa card. Winners go on to a national competition where NCEES posts a \$750 award. Teams that win their regional competition (United States only) receive airfare and hotel accommodations for five members of their team to attend the Finals held in Washington, DC, in February. The Albuquerque regional competition listed 34 participating school teams from throughout the state. The teams were the students, mentors and educators (and in the judging, the parents who were available to listen). Some schools presented more than one team. The judges had approximately 6 minutes for each team (8:00 AM – 12:30 PM) to conduct interviews, ask questions and to fill out a rubric (or matrix) which scored each team on six land surveying objectives.



With profound thanks to NCEES and DiscoverE, the Future City regional event indeed provided an outreach opportunity. In the future, if YOU get asked, please volunteer your time. It fulfills an objective to “talk to ‘em while they are in mid-school”.








# Board History

NMBLPEPS

Antepasados

By Wilfried E. Roeder, PS



The Act of March 13, 1917 (H.B.No.268) regulated only the practice of land surveying. Engineers were not licensed until 1935 with the enactment of "An act to regulate the practice of professional engineering and land surveying,...". The latter statute recognized two separate and distinct professions, engineering and land surveying, (Opinions of Attorney General, 1937-38, p.50) and with its passage the 1917 act was repealed. By 1925, the last date for which I have found reliable records, 240 land surveyors had received numbered certificates under the 1917 law. When it was replaced by the 1935 law, the earlier registration lost its authority and the certificates became void. The new law provided for a five year period to grandfather the old registrants, provided however they had ten years of "lawful active practice" and were at least 30 years of age. Many of the registrants under the original law had been U.S. Deputy Surveyors for the General Land Office and surveyed the Public Domain under the old contract system before it (the contract system) was abolished in 1910. You will find their names in the field notes of the original surveys in the records of the BLM in Santa Fe. Although few had a college education, they had an intimate knowledge of the System of Rectangular Surveys, a knowledge that has become lost to many of our contemporaries. With compass, mountain transit, and chain, they continued to survey in their respective communities (not always with a license) until old age intervened. The present (1978) "New Mexico Engineering and Surveying Practice Act " is the most recent reenactment of the 1935 Statute. In 1935, numbering of the licenses granted started again with number 1 and continues today. The distinction between Professional engineers and Professional surveyors is made by the PE or PS prefix. Registrant number 1 under the 1935 law was John Hazard Dorroh of Albuquerque, who served on the Board of Registration from its inception until 1943. The record for length of registration as a professional surveyor in New Mexico is shared by two individuals who were registered with the first batch of applicants on September 23, 1935 and have held their licenses for more than 56 years. The vagaries of last names gave the lower registration number (PEPS 25) to Robert Moore Brown of Rockville Center, New York. License number PEPS 29 is held by Rufus H. Carter of Albuquerque. Rufus is 82 years old and retired in 1969. Written in June 1992 by Wilfried E. Roeder, PS.

## Practice of Surveying (PS) Examinees

The New Mexico Board of Licensure for Professional Engineers and Professional Surveyors would like to congratulate the following recent examinees who received passing scores on the Principles and Practice of Surveying exam. Their dedication to completing the path to professional licensure in New Mexico sets provides leadership for the future of surveying in our State.

Jennifer Ward-Nusz  
Garrett Smelker  
Kara Hickey  
Anthony Crowley  
Angel Baeza  
Miguel Echavarria

The New Mexico Board of Licensure for Professional Engineers and Professional Surveyors would like to congratulate the following recent examinees who received passing scores on the Fundamentals of Surveying exam. The FE represents the first step in the examination leg of the path to professional licensure.

Corina Valdez-Chavez  
Michael Wiegel  
Nicholas Marez

# NCEES EDUCATION AWARD

Central New Mexico Community College was awarded \$10,000 to the school of Applied Technologies Surveying Engineering Program. The award is intended to encourage and engage students with other professionals, introduce them to both historical and new technology, and promote licensure.

*Pictured left to right: Amy Ballard, Ron Forstbauer, Cliff Spirock and Perry Valdez.*



## NCEES

### 97th ANNUAL MEETING

*Pictured right to left top row: Perry Valdez, Karl Tonander, Walter Gerstle, Glen Thurow and NCEES Past President Tami*

New Mexico was well represented at the NCEES Annual Meeting held in Scottsdale Arizona.

Board Members and Staff currently have the privilege to actively participate on the following Committees:

**Glen Thurow:** Survey Exam Committee

**Karl Tonander:** Law Enforcement Committee

**Julie Samora:** Member Board Administrators Committee

**Perry Valdez:** Member Board Administrators Committee



## Calling All Artists.....by Karl Tonander

The most recent version of the New Mexico Administrative Code (NMAC) pertaining to Engineers and Surveyors included a change to the requirements regarding the seals used by Professional Surveyors and Professional Engineers. While the seals used by registrants can continue to be used indefinitely, a new provision allows for new designs to be considered and approved by the Board. The concept is to capture the essence of New Mexico and offer a modern alternative to the traditional concentric circle seal. NMAC 16.39.3.12. C.(2) now defines an alternative seal design must include “the words ‘Professional Engineer’, the licensee's name, ‘New Mexico’, and the license number issued by the board each in text no less than 0.2 inches in height.” Note that there is no restriction on shape or overall size, although consideration must be given to the appropriate use of the seals on official documents. Submissions for consideration should be provided as a high resolution (600 dpi or higher) jpg or tif file and sent to the NM Board of Licensure for Professional Engineers and Professional Surveyors, P.O. Box 25101, Santa Fe, NM 87504 . Seal concepts that are deemed to show particular creative insight, including any that may be approved by the Board, may be presented in future newsletters or the Board website. Please note, however, that any submissions presented to the Board for consideration will be considered property of the Board and not subject to copyright, although credit will be acknowledged to the submitting artist.

## Cords for Grads.....by Karl Tonander

Starting this past spring semester, the Board of Licensure began a new pilot program to recognize those students who passed the fundamentals of engineering or fundamentals of surveying prior to graduation. As part of their graduation gown and tassel and any additional honor cords they received from their universities, the Board provided a red and yellow honor cord. The colors were selected not only to represent the state of New Mexico, but also to avoid conflicts with any other honor cords issued by the three participating universities (University of New Mexico, New Mexico Institute of Mining and Technology and New Mexico State University).

In the future, the Board will try to further coordinate with the Engineering Deans to have a more formal presentation. Notably, not only was this the first time recognizing graduates in this manner in New Mexico, it also appears to be the first time that such a program has been tried anywhere in the United States. All funding for the program was provided by private donation- no Board funds (meaning registration fees) were used for the effort.



# Fundamentals of Engineering (FE) Examinees

The New Mexico Board of Licensure for Professional Engineers and Professional Surveyors would like to congratulate the following recent examinees who received passing scores on the Fundamentals of Engineering exam. The FE represents the first step in the examination leg of the path to professional licensure.

## March 2018—December 2018 Passing Examinees

Nicole	Naber	julian	Paiz	Richard	Aguilar	Michael	Roseborough
Shreya	Vemuganti	Matthew	Davenport	Lawrence	Leung	Tom	Fitzgerald
Courtney	Pruitt	Gabriel	Acosta-Aguirre	Zachary	Bennett	Jefferson	Isaacks
Wei	Sun	Cora	Carman	Gregory	Albright	Daniel	Heras Murcia
Sarah	Garduno	Luke	Byrom	Jarvis	Brady	Chelena	Betoney
Munaf	Alaloosi	Dylan	Johnston	Christopher	Kelly	Benjamin	Batchelder
Ori	Melnik	Christy	Glandon	Shanka	Henkanatte Gedara	Serafin	Garcia Fernandez
Justin	Nichols	Jonathan	Walhood	Isaac	Burns	Tu	Nguyen
Jacob	Hall	Austen	Tigges	Nicolass	Seamons	James	Woodall
Allie	Arning	Yoma	Wilson	Sarah	Ramirez	Eduardo	Davila
Jason	Corral	Mark	Graham	Thiery	Frechette	Andres	Alvarez
Adam	Sanchez	Stephen	Montano	Brice	Ortiz	Terrence	Romero
Paul	Yang	Garrett	Gibson	Thomas	Hopkins	Bryce	Hart
Hugh	Shortt	William	Chapman	Antoinette	Ramos	Michael	Justesen
Brian	Aguilera	Gary	Lopez	Jacob	Maestas	Iyvan	Tercero
Tanner	Graham	Stephen	Ingles-Garcia	Celine	Olson	Leah	Wofford
Aaron	Misla	Dennis	Martinez	Omar	Ruiz	Isaac	Salayandia
Casey	Martinez	Elijah	Hammond	Ayush	Shahi	Amy	Martinez
Devin	Flaherty	Juan	Sanchez	Hannah	Romberger	Kimberley	Fetherlin
Isaac	Brown	Ryan	Wooldridge	Gamaliel	Zepeda	Rodolfo	Chavez
Jonathan	Logan	Samuel	Bicks	Brian	Siegrist	Edgar	Duenez
Brandon	Sandoval	Brendan	Noone	CEDRIC	HAYES	Jeremy	Chavez
Alexander	Lawson	Matthew	Ehlert	Animesh	Pradhan	Christopher	McAlister
Christopher	Brenden	Nicholas	Apodaca	Katherine	Baker	David	Blackmon Jr
Brandon	Warden	Christopher	Catlin	Jacob	Ancipink III	Rigo	Salazar
Joshua	Livingston	Jimmy	STRICKLIN	Austin	Baird	Alejandro	Salas
Gabriel	Anderson	Tyler	Olsen	Jacob	Sibert	Isai	Garcia-Soto
Adrian	Prien	Arthur	Barraza	Carmelina	Martinez	Anna	Wermer
Grant	Speer	Christopher	Schmittle	Marcus	Miera	Curtis	Hunt
carlos	lozano	Chase	Kicker	Loren	Ayala	Jason	Pollock
Essiel	Carrasco-Oros	Joshua	Carroll	Francisco	Hernandez	Sean	Moggridge
Matthew	Stalcup	Benjamin	Sears	Erick	Rodriguez	David	Castellanos
Moctezuma	Ramos	Skyler	Munz-Raper	Dominic	Fascitelli	Ahmed	Elaksher
Jeremy	Starr	Guillermo	Tarin Jr.	Andrew	Nordberg	Anne	Majewski
Jared	Marks	Ryan	Dow	Troy	Pacheco	Annie	Burns
Raymond	Searles	Mohiuddin	Ahmad			Alyssa	Beierle
		Christopher	Andersen			Johnathon	Garcia
						Ronald	Evans
						Gauhar	Sabih



# Practice of Engineering (PE) Examinees

The New Mexico Board of Licensure for Professional Engineers and Professional Surveyors would like to congratulate the following recent examinees who received passing scores on the Principles and Practice of Engineering exam. Their dedication to completing the path to professional licensure sets an example for the next generation of engineers.

## November 2017—December 2018

Michaela	Rempkowski	Thomas	Donahue
David	Barboza	Thomas	Ruehle
Hunter	Benson	Erin	Wosick
Cole	Blackstock	Virginia	O'Connor
Carlos	Castaneda Jr	Patrick	Whorton
Joshua	Ellison	Teodoro	Cano Mota
Jayson	Grover	John	Guenther
Ryan	Johns	Richard	Stevenson
Govinda	Karki	Brian	Smaka
William	Kessler	Kristin	Johansen
Kelly	Klein	Pietre	Drayer
James	Lopez	Jason	Hebert
Veronica	Lovato-Lerma	Frank	Shirley
ISHIMINE	McCullom	Nathaniel	Miller
Kevin	McKeage	Kathryn	Hayden
Adrian	Mora Delgado	Micah	Martin
Mario	Rodriguez	Eric	Segovia
Donghyeon	Ryu	Antonio	Nunez-Tovar
Amy	Sanchez	Vincent	Perea
Erica	Sanchez	Matthew	Leuthard
Magdalena A	Sims	Lisa	Hale-BlueEyes
Christopher	Sobie	Isaac	Blue Eyes
Savannah	Torres	Daniel	Aragon
Dillon	Troncoso	Cesar	Madrid
Daiquiri	Zozaya	Thaddeus	Yazzie
		Kaitlin	Ellison

The New Mexico Board of Licensure for Professional Engineers and Professional Surveyors  
would like to thank the following retirees for their dedicated service to the citizens of  
**New Mexico**

### Professional Engineer Retirees

Donald	Sterling
Steven	Eagan
Eduardo	Arguello
Ronald	Vanaman
Robert	Hufnagel
Gerald K.	Orrison
Richard A.	Hays
Thomas H.	Kuckertz
Michael	Hughes
John C.	Matter
Hary L.	Markestad
Roger W.	Bybee
Gordon C.	Meurer
William B.	Martin
Dineshchandra	Mali

Craig	Bachmeier
Edward M.	Motley
Lee	Evans
Kent M.	Dibble
Frederick J.	Tito
S.E.	Hughs
Robert	Gresham
Timothy L.	Pillsbury
Charles	Peterson
Karen S.	McAda
Steven J.	Metro
Stuart	Waterbury
Jack M	Hardgrave Jr.
Michael T.	Vranesh Jr.
Zann	Jones
Robert E.	Witter

### Professional Surveyor Retirees

Donald	Sterling
Gary	Vann
McNeil	Glassburn
Preston	Hall
Lawrence	Jentgen

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## EMAIL/ADDRESS

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NOTIFY THE BOARD OFFICE IF YOUR EMAIL OR MAILING ADDRESS HAS CHANGED.

PLEASE NOTE : RENEWAL NOTICES WILL BE SENT BY E-MAIL TO THE ADDRESS ON FILE.

*Pursuant to Section 61-23-20 D of the NM Engineering and Surveying Practice Act*

*“Each licensee shall have the responsibility to notify the board of any change of address within thirty days of the change.”*

## Contact Us

Mailing Address:

NM BLPEPS  
PO Box 25101  
Santa Fe, NM 87504

Physical Address:

Toney Anaya Building  
2550 Cerrillos Rd., 3rd Floor  
Santa Fe, NM 87505

Main number: 505-476-4565

Fax number: 505-476-4802

**[sblpes.state.nm.us](http://sblpes.state.nm.us)**

Karl D. King, PS

Benjamin Snow, PE

Elwin Schaefer, PE

Douglas McCullough, PE

Tom Klingenhagen, PS

James D. Holm, PE

Col. Marshall W. Nay, Jr., PE

*IN MEMORIAM*

