

The Importance of Licensure & the Engineering Profession!

Tom C. Roberts, P.E.
President 2017-2018

May 11, 2016



P.E.



CONGRATULATIONS !!

Is Licensure Relevant ?

P.E.





"85% of Growth in US Income per Capita is due to Technological Change"*



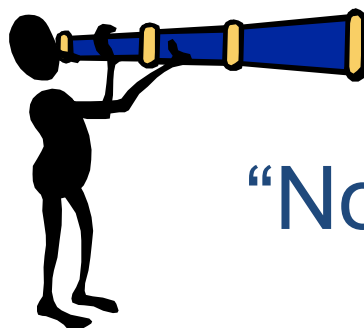
A central collage of book covers and a stick figure. The stick figure is on the left, scratching its head with a question mark above it. A large red starburst with a question mark is on the right. Several text labels are overlaid on the collage with dashed borders:

- K-12 Education** (top center)
- National Studies** (left side)
- Global Economy** (middle, slanted)
- High Demand for Graduates** (bottom center)
- Changing Workforce** (bottom left)

Visible book covers include:

- Raising Public Awareness of Engineering*
- Educating the Engineer of 2020*
- Rising Above the Gathering Storm*
- The World Is Flat: A Brief History of the Twenty-First Century* by Thomas L. Friedman
- Changing the Conversation*
- Messaging for Engineering*
- The Engineer of 2020*

* Rising Above the Gathering Storm, National Research Council, 2005, 2010



*** Gerald E. Galloway, Jr. P.E.**

**“No great civilization has
existed without Engineers”**

**(Consider the Egyptians, Romans,
churches, bridges, space program, etc.)**

**“We are in permanent White Water”
(Volatile, uncertain, complex, ambiguous)**

2011 KC E-Week Speaker*



2011 KC E-Week Speaker*



* Gerald E. Galloway, Jr. P.E.

“Our challenges include:
Replacing 40% of our
infrastructure, population
growth, mega-cities, water,
climate change, governance”

“We must get our house in order”



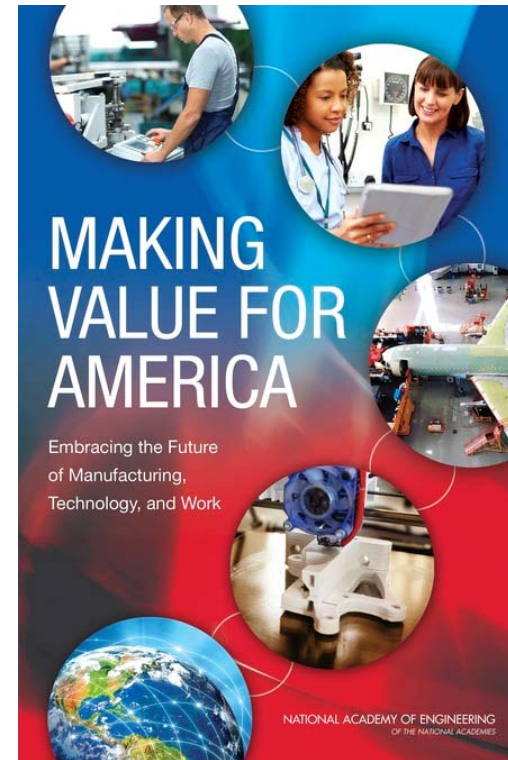
Be Aware of the Changing Landscape!





“Making Value for America” *

Embracing the Future of Manufacturing, Technology, and Work.



* National Academies Press, 2015



"Americans Need A Plan"*



* Thomas Friedman Dec. 2010

“Responding to this situation will require a whole new hybrid politics for where to cut, where to save, where to invest, where to tax, and where to untax”

A 3D-rendered yellow rectangular sign with a black border and rounded corners is mounted on a black utility pole. The sign features the text "WHY ARE WE HERE?" in a blue, serif, all-caps font, arranged in three lines. The pole is detailed with various mechanical components like bolts and brackets. The background is a blue grid pattern, suggesting a digital or architectural environment.

WHY ARE
WE
HERE?

Why NSPE (Then)

David Steinman (1934)

- Protect engineers (and the public) from unqualified practitioners,
- Build public recognition for the profession, and
- Stand against unethical practices and inadequate compensation.



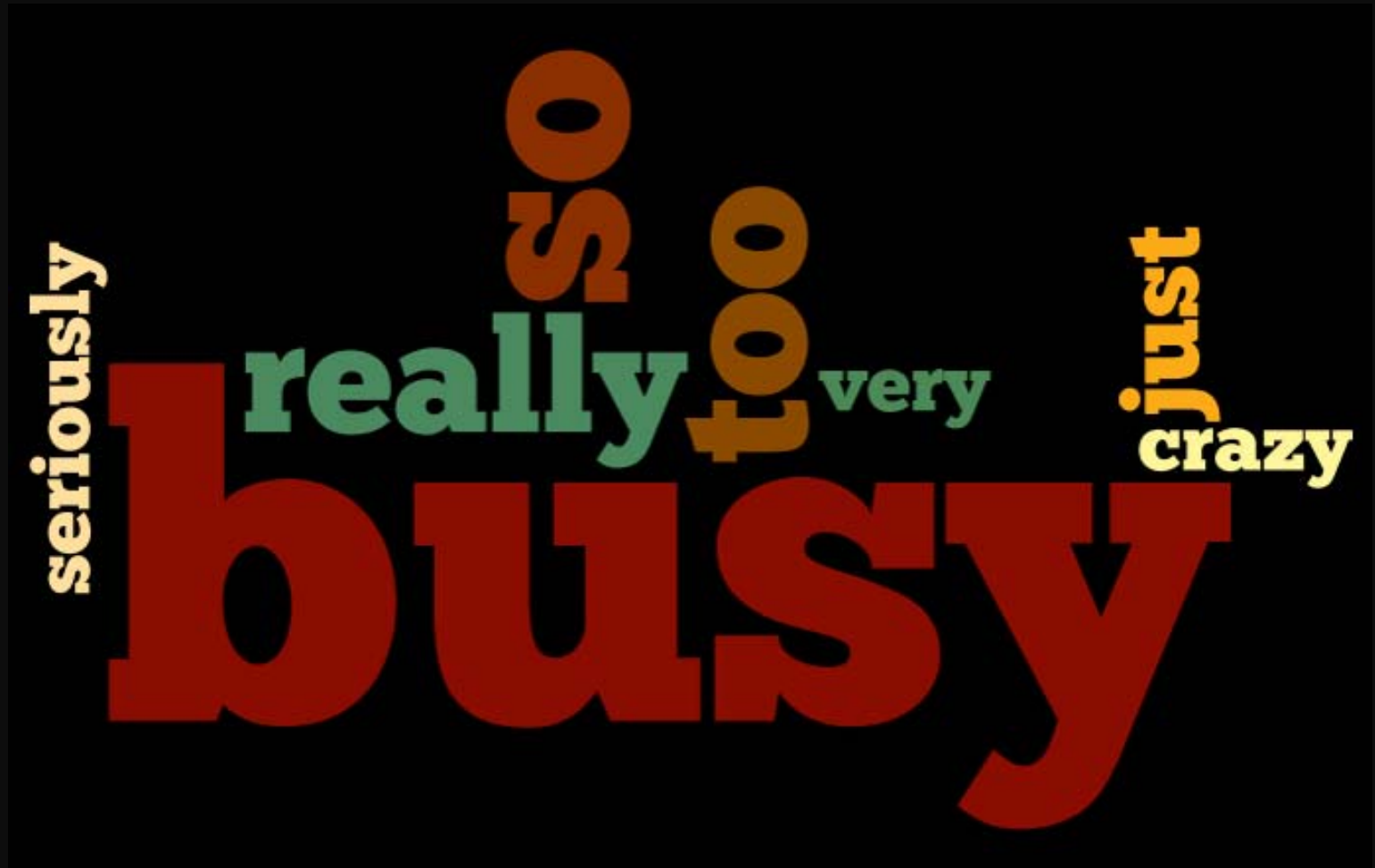
Not Just Another Organization



**We're All in
This
Together...**



But I'm too busy for all this...





NSPE

Who We Are and What We Do



E.P. vs. P.E. ?

Rigorously Define the Member Market

NSPE will accomplish its mission by remaining focused on the licensed professional engineer and those who aspire to become licensed.

Define

...the PE license as the highest measure of professionalism and qualification to protect the public health, safety, and welfare.



Promote

...awareness and recognition of the value and meaning of the PE license.



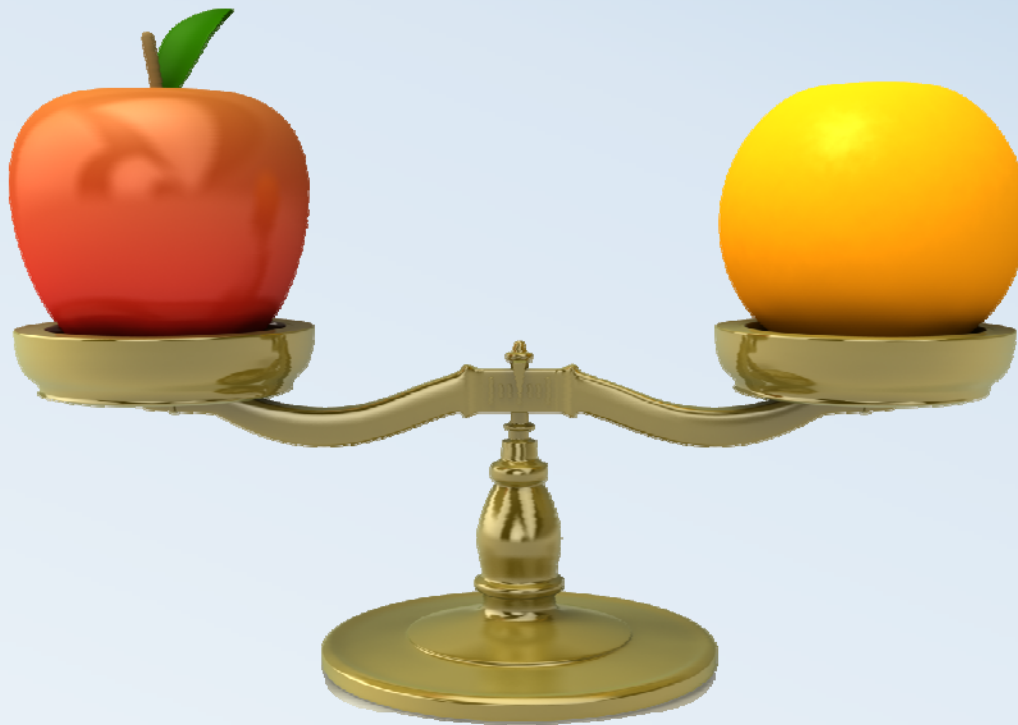
Protect

...the integrity of the profession and the welfare of the public by vigorously:

- Opposing the practice of engineering by unqualified persons; and
- Advocating the highest standards of licensure, ethics, and professional practice.

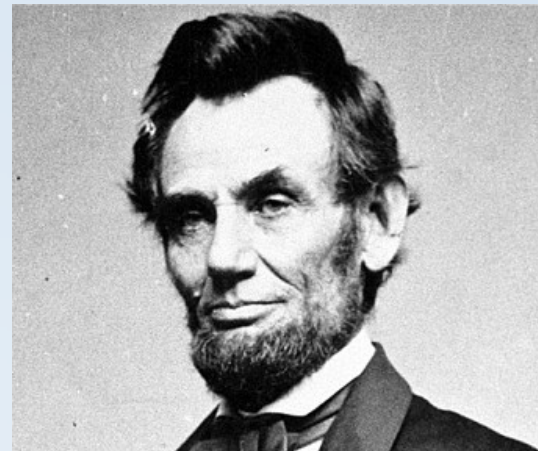


Who Serves Me Best? National or State/Territory?



The Challenge

“A house divided against itself cannot stand.”
(Abraham Lincoln – June 6, 1858)



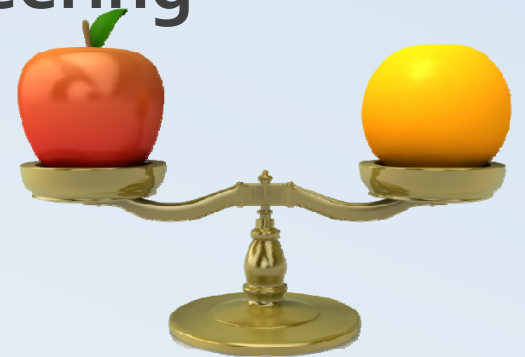
The Challenge



“We must all hang together, or assuredly we shall all hang separately.”
(Benjamin Franklin – July 5, 1776)

For successful accomplishment of a professional society, unity and geographical organization are the essentials. The National Society, the state societies, and the county chapters are closely and reciprocally integrated, and all are regarded of equal importance. Membership in one involves membership in all...This is the logical and essential form of organization for building a united and integrated engineering profession."

David Steinman (1935)



Who Serves Me Best? National or State/Territory?

**Both!
Together!**



Communicating What's New

- Social Media
- Newsletters
- PE Magazine



Call for Action



If you are not a member: Join

If you are a member: Engage and share

- Join a committee
- Teach a seminar
- Write an article or blog post
- Write to your members of Congress
- Bring a student, an EIT, a newly/long-time licensed engineer with you

We Can Do It

If you are not a member: Join
If you are a member: Engage and share

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Thank You!

www.nspe.org

