

State News for NSPE Members

New Tools Available for PE Advocates

As “occupational reform” bills spring up across the country and put professional licensing at risk, an NSPE-formed coalition has prepared a useful resource kit that can be used by PE advocates to set the record straight.

The [Alliance for Responsible Professional Licensing](#) is working to remind lawmakers that highly complex and technical professions, like engineering, rely on a rigorous system to protect the public health, safety, and welfare. It’s this rigor that clearly sets these professions apart from the vocational occupations that lawmakers often cite in defense of their efforts to weaken licensing requirements.

You can learn more about the threat in an ARPL-produced [webinar](#) covering the organization’s background, its work on behalf of highly technical licensed professions, and the state advocacy tools it’s created.

You’ll also find advocacy and messaging resources on [the main page](#) of the public Drop Box, titled “State Partner Tools and Resources (ARPL).” On this page, you’ll see folders for Key Messages and Talking Points, Lawmaker Outreach Handouts, Public Opinion Research, Sample Letters to the Editor and Op-Eds, Social Media, State Specific Folders, Video Files, and a folder for the webinar.

In addition to NSPE, alliance members include the American Institute of Architects, the American Institute of Certified Public Accountants, the American Society of Civil Engineers, the American Society of Landscape Architects, the Council of Landscape Architectural Registration Boards, the National Association of State Boards of Accountancy, the National Council of Architectural Registration Boards, and the National Council of Examiners for Engineering and Surveying.

If you have questions, please contact Margaret Edwards at medwards@nspe.org.

State’s Tech Industry Booming

Business is good for high-tech in Montana, according to the latest economic outlook. The industry is growing at nine times the rate of the state's economy overall. "Companies right now are generating tens of millions of dollars annually," says Missoula Economic Partnership CEO Grant Kier.

The Montana Economic Outlook for 2020 reports that

- Tech companies in the state have more than \$2 billion in annual revenue;
- Pay is double the median wage at 65,000+;
- More than 600 firms exist within the high-tech industry in Montana.

[Read more.](#)

Montana State Professor Wins Grant; Could Lead to New Flying Machines

Insects could be the key to a new generation of flying machines, according to Mark Jankauski, an assistant professor in the Department of Mechanical and Industrial Engineering at Montana State University. The researcher is studying beneficial vibrations. "Insects have really leveraged vibration to enhance their flying efficiency," says Jankauski. "It allows them to do some amazing things."

For instance, a fruit fly can send a single nerve pulse to muscles in its midsection and create a vibration that drives the flapping of its wings 10 or more times, which conserves energy and provides maneuverability.

Jankauski has been awarded a \$619,000 National Science Foundation grant to help develop models that could be applied to drones or other small aircraft.

[Learn more.](#)

Climate Change Special Issue

As climate change effects proliferate, professional engineers are taking on the crisis. They're working to provide solutions as part of their responsibility to protect the public health, safety, and welfare.

The [March/April issue of PE magazine](#) includes three articles highlighting PEs' work in this area:

- "Climate Changers" –Young engineers feel a responsibility to take action on climate with their work—and they're increasingly choosing to work



for companies that share this perspective.

- “[Harsh Realities Drive Adaptation](#)” – Cities are targeting climate-change impacts with comprehensive policies. Professional engineers and AEC firms are showing that their expertise can help bring these plans to fruition.
- “[A Grand Challenge Needs to Inspire Grand Solutions](#)” – Professional engineers have an abundance of opportunities to invent creative, innovative solutions to issues surrounding environmental sustainability and resilience.

Share Your Views on the Engineering Profession

Do you support the elimination of state licensure exemptions? Should states align their licensing requirements to help PEs easily practice in multiple jurisdictions? Does your place of employment welcome diverse perspectives?

These are just some of the issues facing the professional engineering community. NSPE encourages you to provide your perspectives on these topics and more by participating in the [2020 Engineering Outlook & Salary Survey](#).

The 15-minute survey is open to NSPE members, engineering students, and engineering professionals. Participants will be eligible to enter a drawing for one of four \$50 Amazon gift cards.

The results of the survey will be made available to participants and will also be shared in *PE* magazine and other NSPE publications.

[Access the 2020 Engineering Outlook & Salary Survey.](#)

Communication on Your Terms: Update Your Preferences

The screenshot displays the 'My Account' page for Mrs Rhoda Chari. The page is divided into several sections:

- Profile Picture:** A photo of Mrs Rhoda Chari with an 'EDIT' button.
- User Information:** Mrs Rhoda Chari, Member, MemberID: 300182816, Membership Expiration Date: 12/31/2019. Address: 1420 King St, Alexandria, VA 22314-2794. Email: rzhchari@nspe.orgzz.
- Step 1: Update your profile:** Indicated by a red arrow pointing to the 'EDIT CONTACT INFO' button.
- Step 2: Select your email preferences:** Indicated by a red arrow pointing to the 'EDIT DEMOGRAPHICS' button.
- Other Buttons:** 'RENEW NOW', 'CHANGE PASSWORD', 'NSPE COMMUNITIES', 'STATE HOME', and 'ENTERPRISE ADMIN'.
- My Account Links:** A sidebar menu with links to 'My Degrees', 'My Donations', 'My Downloads', 'My Expertise', 'My Committees', 'Manage my Subscriptions', 'My Interest Groups', 'My Social Media', and 'My Payment Info'.

NSPE is committed to providing the best service possible. To that end, we need to verify that member profile information is accurate. This includes preferred names and titles, and employer and contact information. NSPE asks all members to [review their member profile and update their information](#).

Thanks to updates to the NSPE database, members can now also choose exactly what emails they want to receive. With new subscription management options, members can unsubscribe from some mailing lists without missing out on information of interest to them. In order to make this possible, all members' email settings have been reset to the default. Everyone will need to log into their account to manage their preferences, even if they have previously unsubscribed from a mailing list.

[Update information and preferences](#).

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