

# Engineering Day at NSTA

*(These sessions are open to all. One does not need a ticket to attend these sessions.)*

*Sponsored by the American Society for Engineering Education*

## **Connecting Structure and Properties: Building and Applying Knowledge for Grades 9–12**

Friday, December 13, 8:00 AM–1:30 PM  
Room 3B, Washington State Convention Center

The American Society for Engineering Education (ASEE) has put together a public/private partnership to develop ways of engaging elementary, middle school, and high school students and teachers in engineering. Participants will learn about innovative, hands-on, project-based engineering activities, courses, curriculum options, events, outreach programs, professional development, and competitions designed to increase the engineering and technological literacy of all students; encourage more and more diverse students to pursue engineering careers; and enable teachers to learn about and experience engineering. Presenters will share lessons learned and examples of inquiry and design activities that have been developed in partnership with K–12 science teachers for use in the classroom and in informal educational settings. The materials result from a collaboration of engineering educators and STEM professionals working with *Teachengineering.org*, *Engineering is Elementary*, and Colleges of Engineering across the nation who actively engage in K–12 engineering in collaboration with partner teachers and schools. All sessions will help teachers understand the new ETS Engineering Design portion of the *Next Generation Science Standards (NGSS)*.

[Click here](#) for a list of sessions.