



**STRUCTURAL
ENGINEERING
INSTITUTE**

SEI VISION FOR THE FUTURE

Executive Summary

September 2015

The “Vision for the Future” is SEI’s long term strategy to ensure a vibrant and dynamic future for the structural engineering profession.

We are at a turning point. Increasing complexity of structures, computer automation, and global interconnectivity are among many trends that are fundamentally changing the profession. Our challenge is to harness these trends to reinforce and expand the role of structural engineers as innovators and leaders.

SEI envisions a future where, as stewards of the built environment, structural engineers will make key contributions to the advancement of society on a global scale. They will create and use innovative technologies to design inspiring, resilient structures while ensuring the economic and sustainable use of natural resources. The best and brightest individuals will choose to enter the profession, which will provide them with rewarding and dynamic opportunities for advancement and recognition at every stage of their careers. Structural engineers will be leaders and innovators that play a critical role in improving the safety and well being of the global population.

To achieve these long term goals, SEI recognizes that the profession must fundamentally evolve. Therefore, we are leading and investing in the following key initiatives:

- Reform structural engineering education. Adopt new educational models to equip students with the broad technical, communications, and critical thinking skills they will need to compete in the global economy.

- Improve mentoring and continuing education. Develop a national, standardized framework to launch the careers of young professionals, and create a meaningful platform for lifelong learning and constant professional growth.
- Create a new SEI global activities division. Expand the influence of SEI and our standards overseas, address the needs of a worldwide membership, and position our members as global leaders in structural engineering research and practice.
- Promote performance based codes and standards. Give structural engineers new tools to liberate them from the limitations of prescriptive code-checking, encourage innovation in their designs, and increase the value of their services.
- Lead multi-disciplinary summits on technical matters of broad interest. Think outside of the traditional boundaries of structural engineering to identify and apply the most advanced new technologies and science to the practice.
- Promote the structural engineer as a leader and innovator. Support and encourage the expansion of members' roles to recognized positions of leadership in society by equipping them with the tools they need to succeed and be recognized by the public.
- Advocate for structural engineering licensure. In partnership with our peer associations, advance the implementation of the SE license as a post-PE credential to ensure public safety and recognize the unique qualifications of structural engineers.

SEI will continuously measure the progress of these initiatives and adapt our strategy when needed to respond to the dynamic trends that will shape the future.

The “Vision for the Future” firmly establishes SEI as an agent for positive change in the structural engineering profession. By harnessing the energy and talent of our members, along with engaging our partners in allied disciplines, we can ensure the long term viability and success of structural engineers as leaders and innovators in the global economy.

To learn more about SEI's vision, visit: www.asce.org/SEI

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