



## UC San Diego Structural Engineering Department Advisory Board

### **Department Vision**

Our faculty and students aspire to be internationally renowned leaders in analyzing, designing, simulating, visualizing, optimizing, monitoring and assessing the behavior and environmental interactions of structures and structural materials from a holistic perspective, including those used in civil, geotechnical, aerospace, naval, marine, energy, and biological applications.

### **Department Mission**

To advance the structural engineering profession through research, teaching and service by integrating engineering mechanics theories, computational modeling simulations, experimental testing observations, and practical design concepts.

### **Board Mission**

To provide advice and feedback to the Department, to enhance the professional and educational value of the Department, build relationships, and generate support for the Department's students and faculty.

### **Board Goals/Objectives**

- Help identify pressing research needs and opportunities.
- Build bridges between the Department and the local/regional/national communities.
- Support student recruiting for jobs and internships.
- Share expertise with undergraduate and graduate students through classroom visits, field trips, seminars, and networking opportunities.
- Provide advice and feedback on undergraduate and graduate learning objectives, curriculum, and course content.
- Strategically develop the membership of the Board.
- Assist the Department in fundraising for scholarships, faculty development, and laboratory support.

## **Board Structure**

The number of board members will vary between 15-20 members and should represent a cross-section of professionals in the different disciplines in the Department (Civil Structures, Geotechnical Engineering, Computational Mechanics, Aerospace Structures and Structural Health Monitoring). The board will include alumni of the department, leaders of firms or agencies, 1-2 faculty members, and the Department Chair. The chair of the industrial advisory board will be a member from outside the department, selected by the Department Chair. Board members should show a willingness and ability to work actively on the Department's behalf.

If a member of the board is unable to attend a meeting, they can nominate an alternate from their firm to attend that meeting. Board members will serve on rotating 3-year terms with options for renewal at the discretion of the Board and a maximum of two terms. Board members will consider nominations for new Board members from the faculty and current members. Subcommittees may be developed for specific tasks and needs as identified by the board (Development, programs, scholarships, etc.).

## **Meetings**

The Industrial Advisory Board will meet at UCSD at least once per year or as called by the board chair, with call-in options available. Meetings will be approximately two hours, typically held on a Friday afternoon or Saturday morning unless otherwise decided.

## **Participation**

Board members may participate in the following ways:

- Provide feedback to the Department faculty on how research and curricula are best addressing the needs and expectations of the engineering community.
- Provide feedback to the Department faculty on opportunities and challenges facing practitioners.
- Partner with faculty to provide guest speakers for courses or workshops.
- Connect Department students with internships and career opportunities
- Provide financial resources and opportunities for faculty and student development, including attendance to seminars, conferences, and educational events.
- Provide financial resources to maintain and improve the Department undergraduate laboratories and research laboratory facilities.

## **Benefits of Board Participation**

- Chance to give back to the department to provide for excellence in education.
- Opportunity to shape or influence future engineers.
- Access to faculty research expertise.
- Access to interns.
- Engagement in campus and educational activities.