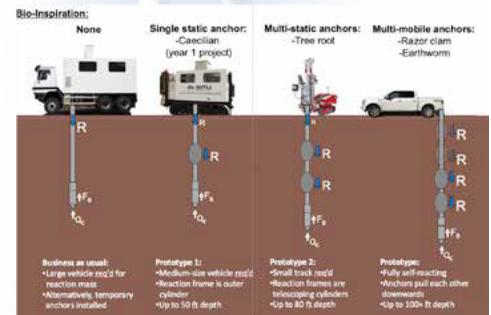


# CBBG Industry Partner Program

The Center for Bio-mediated and Bio-inspired Geotechnics (CBBG) is a 3rd-Generation National Science Foundation (NSF) -funded Engineering Research Center dedicated to the emerging field of biogeotechnical engineering. With a mission to **develop nature-inspired sustainable solutions for geotechnical and geoenvironmental aspects of civil infrastructure systems**, CBBG is NSF's largest investment in geotechnical engineering and the only national research center dedicated to geotechnics. CBBG is a collaborative endeavor of four public universities, including Arizona State University, Georgia Institute of Technology, New Mexico State University, and the University of California at Davis.

CBBG research focuses on four thrust areas:

- **Geologic Hazard Mitigation**
- **Environmental Protection and Restoration**
- **Infrastructure Construction Methods and Materials**
- **Underground Exploration and Excavation**



Self-anchoring CPT rig



Bio-cemented 3ft-tall column (after exhumation)

The **CBBG Industrial Partner Membership Program** plays an important role in helping CBBG develop geotechnical and geoenvironmental solutions that address industry needs. Industry Partners provide input to the direction of CBBG through project and proposal reviews and participation in field implementation of CBBG research. Industry Partners also have direct access to CBBG faculty, research facilities, and students. **Membership provides CBBG Industry Partners with firsthand knowledge of the latest advancements in the rapidly emerging field of biogeotechnics.**



Bio-inspired self-burrowing probe

## Join the CBBG Industrial Partner Membership Program

Benefits of CBBG membership include a seat on the Industry Partner Advisory Board, a discounted overhead rate on CBBG services, participation in the annual meeting and student showcase and in the mid-year meeting, opportunity to license CBBG technologies, and access to CBBG webinars. Industry Partnerships at the General Membership level start as low as \$2000/year for small businesses (less than 50 employees) and is \$10,000/year for larger firms. Leadership Membership at \$25,000 per year provides additional benefits. Public agencies and non-governmental not-for-profit organizations are eligible for an Associate Membership at no charge (with reduced benefits).

**For more information, see [www.biogeotechnics.tech](http://www.biogeotechnics.tech)**

# Benefits of partnership

**Contribute to the development of bio-mediated and bio-inspired solutions that address challenging geotechnical problems in a sustainable, cost-effective and environmentally sensitive manner and the associated workforce.**

- ▶ **Participate** in setting strategic direction for the Center, including:
  - Establishing research priorities
  - Development of cooperative research projects
  - First option on licensing proprietary technologies
  
- ▶ **Be exposed to innovative ideas and technologies** and new developments through workshops, webinars, and direct contacts with center researchers:
  - **Network** with like-minded small, medium, and large-sized businesses and top-tier international universities
  
- ▶ **Collaborate on cutting-edge research**, with an exceptional team of researchers with expertise in geotechnical and environmental engineering, microbiology/microbial ecology, biogeochemistry, chemical engineering, materials, and lifecycle analysis:
  - Preferred access to students via internships, poster sessions at the annual meeting, local “meet and greet” events
  - State-of-the-art research facilities
  - Nationally and internationally recognized investigators
  - Reduced overhead costs on research projects associated with the Center
  - Small business innovation research/small business technology transfer (SBIR/STTR) funding opportunities
  
- ▶ **Participate in 21st-century workforce development:**
  - **Collaborate** on the development of STEM-focused learning materials to foster STEM engagement centered on solving real-world problems
  - **Engage** in outreach activities that encourage K-12 students to become motivated about Science, Technology, Engineering, and Math (STEM) education
  - **Contribute** to an inclusive climate by fostering an understanding and awareness about under-representation, promoting skills-building in the practice of inclusion, and engendering an appreciation for the tangible value of diversity and inclusion within STEM disciplines more broadly
  - **Facilitate summer research experiences:**
    - For undergraduates at community college and four year colleges through the Research Experience for Undergraduates (REU) program
    - For high school students through the Young Scholars (YS) program
    - For K-14 teachers through the Research Experience for Teachers (RET) program

**For more information on CBBG membership and benefits,** contact Nasser Hamdan, CBBG Industry Liaison Officer, at 480-965-2277 or [Nasser.hamdan@asu.edu](mailto:Nasser.hamdan@asu.edu)