

NORTHEASTERN UNIVERSITY



Corporate Sponsorship Packet



nuaiche@coe.neu.edu

<https://coe.northeastern.edu/Groups/aiche/#sponsors>

Dear Prospective Sponsor...

The Northeastern University Chapter of the American Institute of Chemical Engineers (NU AIChE) is a group of Chemical Engineering students who wish to promote the professional development of its members through various programs and events. Each semester we organize various networking events and guest lectures to bring together students, alumni, industry representatives, and potential co-op employers. We also host presentations on current chemical engineering career paths and research from faculty members, coordinate chemical engineering job fairs, and partake in interdepartmental engineering social events.

In addition to events on campus, we actively contribute to community programs, such as K-12 STEM outreach, and participate in National and Regional AIChE events. The members of NU AIChE partake annually in the AIChE National and Regional Meetings and ChemE Car Competitions. Through ChemE Car, a team of students is given the opportunity to apply chemical engineering principles in the design of a small car powered by a chemical reaction. In Fall of 2021, our ChemE Car team placed third in the poster competition and won the most innovative car design at the national conference. In Fall of 2022 at the national conference in Phoenix, members of our STEM outreach committee participated in the annual K-12 STEM Outreach competition and showcased their interactive module to students, parents, and educators. Additionally, we had multiple students who received awards from AIChE, including the prestigious Donald F. & Mildred Topp Othmer Scholarship Award.

This year, we plan to increase our STEM outreach presence by working with the Boys & Girls Club of Boston and the Northeastern Center for STEM Education. Likewise, we want to enhance student experiential learning opportunities by developing a ChemE Sports program, a team based competition where chemical engineering students use the PetroSkills simulation software to characterize and optimize a system in response to certain hazards. Likewise, we plan to enroll in the ACE4G challenge, a competition designed to apply chemical engineering fundamentals to increase the quality of life for developing countries.

Your company can help our chapter by providing funds in the form of a sponsorship or donation. These funds can be used to defray the cost of our attendance to the AIChE National and Regional meetings, support ChemE Car, and/or purchase supplies for outreach programs and expanding learning opportunities. By partaking in our sponsorship program, you will play an active role in facilitating the growth of Northeastern's chemical engineering students.

In this packet, please find further information about our club and the sponsorship opportunities we are proposing. Please do not hesitate to reach out if there are any questions or concerns, or if you would like to partner with our organization in a different capacity. We thank you in advance for your support.

Sincerely,



Dominic Pizzarella
President, NU AIChE



Raymond Milavsky
Vice President, NU AIChE



Dr. Courtney Pfluger
Faculty Advisor, NU AIChE

MEET OUR STUDENTS

Dominic Pizzarella
President

"AICHE has been pivotal throughout my engineering career. I have gained so much from this organization and aspire to give back to it as much as I can."



Ray Milavsky
Vice President

"AICHE has provided opportunities and connections that have greatly influenced my aspirations. I hope to provide the same community for future ChemE's to explore and collaborate."



Ethan Otash & Ray Milavsky
ChemE Car Captains

"ChemE car serves as a hands-on learning environment that fosters the development of students problem solving skills and teamwork."



Connor Powell
Professional & Alumni Relations Chair

"Our professional events help students grow their network with industry leaders and alumni to gain mentors and support before even graduating Northeastern."



Maria Dariotis
K-12 STEM Outreach Chair

"We want to support our local communities in Boston by inspiring the younger generation to be excited about chemical engineering through our STEM activities."



Ashley Dimen
Social Outreach Chair

"Our goal is to create a supportive and inclusive community of chemical engineers, not just at Northeastern but all of Boston. We run events that create a welcoming environment for collaborating as a new generation of engineers."



OUR ENDEAVOURS

Professional Development

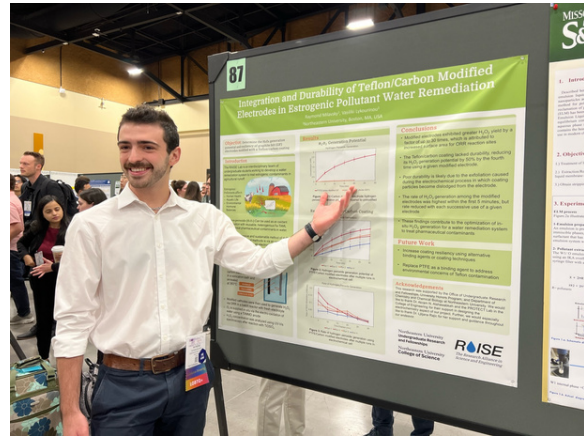
National Conference

The National Student AIChE Conference occurs every fall and is a great opportunity for students to attain more professional development skills by attending workshops, participating in leadership training, learning about graduate programs, and networking with peers, companies, and other university educators. Our members have participated in poster competitions, the ChemE car competition, and the K-12 STEM Outreach Competition. This November, the national conference will be held in Orlando, Florida and we are hoping to send as many members as possible.



Regional Conference

The Northeast Regional AIChE Conference is similar to the national conference, however it also provides the unique benefit of interacting with students and professionals in the region. It is essential that our organization competes in the ChemE Car regional competition as it decides what teams qualify for the national competition.



Professional Meetings

A major goal of our club is to provide support and resources to help our members develop professionally to attain their goals. We regularly host Northeastern alumni and industry professionals to share their advice and career experiences. Additionally, each semester we hold interview prep and resume workshops where upperclassmen help underclassmen prepare for upcoming internship interviews.



Co-Op Career Fair

Each year we partner with the Northeastern chapter of the Biomedical Engineering Society (BMES) to organize a Co-Op Career Fair that annually has up to 30 companies in attendance. This is a great opportunity for Chemical Engineers to network with employers and get Co-Op interviews.



OUR ENDEAVOURS

Building Engineering Skillsets

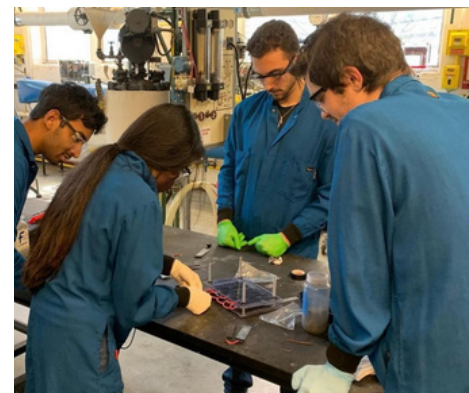
ChemE Car

ChemE Car is a hands-on, project based sub-section of AIChE in which students design a small, shoe-box sized car powered and controlled by chemical reactions. There are two sets of chemical reactions used in each car; a power reaction that provides energy to push the car forward and a stopping reaction that signals the car to stop at the distance regulated by the competition. As part of the competition, our members also create and present posters for judging. In recent years our club has gained recognition for our innovative car designs and outstanding posters.



K-12 STEM Outreach

The K-12 STEM Outreach Committee strives to inspire the next generation of scientists and engineers. This committee regularly develops experiments and modules that can be performed by K-12 students to learn about chemical engineering principles. A major goal of this committee is to ensure that our experiments are accessible to all students as to inspire an inclusive future within STEM. We have worked with the Jamaica Plains Library, afterschool programs, and other outreach clubs on campus to bring our interactive modules to local students. Last year, this committee presented a module entitled "Pacific Popcorn Phases" which taught K-2 students about the different properties of matter and how these principles can be applied to remove pollutants from the environment.



Academic Meetings

Our club also holds meetings to support our members academically. In the past, we have held workshops on statistics and coding software's to prepare underclassmen for higher level chemical engineering classes. Additionally we host professors and graduate students to discuss their research and to provide advice about classes and graduate school.



Social Events

We regularly incorporate social events throughout the year to promote community among our members and provide a break from classes and co-op. These events are always a lot of fun and allow people to mingle and make friends with other chemical engineers on campus across all years. Recently, we have hosted board game nights, murder mystery parties, and made pumpkin batteries!





SPONSORSHIP OPPORTUNITIES

Benefits	Nusselt \$250	Damköhler \$500	Prandtl \$750	Reynolds \$1,000+
Recognition Post on Social Media	X	X	X	X
Company Logo on meeting slides	X	X	X	X
Company Logo on ChemE Car Poster	X	X	X	X
Company Logo on weekly email to members		X	X	X
Recognition on AIChE Shirt (Small)	X			
Recognition on AIChE Shirt (Medium)		X		
Recognition on AIChE Shirt (Large)			X	
Recognition on AIChE Shirt (X-Large)				X
Company Logo on ChemE Car				X
Invitation to promotional meeting with chemical engineering student group				X

We invite you to support NU AIChE's efforts to create an inclusive community for undergraduate chemical engineers to thrive by partnering with us through one of our four sponsorship opportunities. These partnership levels are named after dimensionless numbers that are commonly used in the chemical engineering curriculum!



NEXT STEPS



nuaiche@coe.neu.edu

Why ChemE Car Matters: [Link](#)

If you are interested in supporting our organization, please follow the steps below. Thank you for your support and we hope to partner with you in the future!

- 1 Click [here](https://giving.northeastern.edu/) (<https://giving.northeastern.edu/>)
- 2 Choose donation method: For Credit Cards, see a; For Check/Wire Transfer, see b.
 - a Scroll down and select "Club - American Institute of Chemical Engineers"
 - b Select "Ways to Give" -> "Credit Card, Check, Wire Transfer" on the top right. Include "Club - American Institute of Chemical Engineers" in the memo
- 3 Follow the details on the screen
- 4 Send a copy of your receipt to "nuaiche@gmail.com"

Note: Donations will be tax deductible