

Columbia University

in the city of new york

University Senate

Office of Student Group Advising

Interschool Governing Board (IGB)

Student Group Recognition Application

The mission of the Interschool Governing Board (IGB) is to represent and serve the needs of Columbia University student interschool organizations whose membership and mission is interschool in nature and includes a combination of graduate and undergraduate professional schools, groups and students who do not fall under the immediate jurisdiction of other governing boards or individual school councils. IGB is dedicated to overseeing and supporting such student organizations in their efforts to bridge the gaps between various students and academic disciplines on the Columbia University campus.

To apply for recognition, this form and all necessary materials must be completed and submitted electronically to the following email address: igb@columbia.edu. The IGB Budget Committee will determine if everything has been submitted and forward a recommendation to the IGB General Body for official voting. Student Club leadership may be required to follow up with the Budget Committee or attend an IGB meeting to clarify budget details and justifications.

To be considered for recognition, clubs:

- ✓ Must complete and submit the Student Group Recognition Application
- ✓ Must have a faculty/staff **mentor** (a logistics **advisor** will be assigned to you from the Office of Student Group Advising after IGB recognition)
- ✓ Must have a designated President/Chair and Treasurer
- ✓ Must submit a written constitution, and if available, a set of bylaws

Student groups must submit the Student Group Recognition Application and all relevant materials by:

For FALL SEMESTER recognition:

March 1 of the previous school year

For SPRING SEMESTER recognition:

November 1 of the previous calendar year

* No applications will be accepted over the summer.

* Clubs with majorities from Teachers College and schools based in the Columbia University Medical Center are not eligible at this time.

Date of Application: 2018

Application for: (circle one) FALL SPRING (year) 2018

Applicant's Name: John Long Columbia Email (UNI): jjl2215

Phone Number: 774-578-5842 Relationship to Club: Senior adviser

Club Info:

Club Name: Columbia University Society for Industrial and Applied Mathematics

Number of Members: 135 (including 12 officers)

Breakdown by School (approximate %'s):

SEAS (Undergrad): 30%

SEAS (Grad): 25%

CC: 20%

GS: 10%

Barnard: 10%

SIPA: 1%

SPS: 1%

Other: 3%

Club Mentor: Kyle Mandli Columbia Email (UNI): jjl2215

Mentor's Relationship to Columbia: Professor

Club President: Sharon Chen Columbia Email (UNI): syc2138

Club Treasurer: Jinglei Zhang Columbia Email (UNI): jz2807

Please provide a brief summary of the club's goals, why you feel IGB recognition is important, and how students may benefit from your club.

CU SIAM, a student chapter of the international Society for Industrial and Applied Mathematics (SIAM), seeks to promote interest in industrial and applied math in all students at Columbia University, by holding research talks, technical workshops, competition prep, and industry panels, etc. See our website at columbiasiam.github.io for a list of events. In addition to Columbia University students, CU SIAM promotes applied math to those in the wider community, e.g. through running the Coding Bootcamp, which attracts hundreds of students from 18 high schools from 3 states here to prepare for the SIAM-sponsored math modeling challenge, and co-hosting the annual MMATHS competition attended by over 500 high school students at 6 venues, on campus.

IGB recognition would allow us **book rooms** closer to first-year students' residences. We would not have to rely on two frustrating systems: (1) the limited APAM department room booking process that only allows us to book rooms in locations affiliated with APAM and very far from undergraduate students, and (2) the inefficient Columbia Engineering Outreach room reservation process that involves a wait time of up to three months. Convenient access to activity space would allow us to more easily host events such as talks and industry panels that we have held in the past.

Moreover, with IGB recognition, we would have the privilege to **participate in the Club Activities Fair** to grow membership. Although we have had some success in recruiting new members--we have 6 first-year students from CC and SEAS who joined this fall semester in addition to a GS student, we feel there is potential to reach more of the Columbia student body. Students need to have the opportunity to learn about and participate in CU SIAM activities to learn about the beauty of computational science and applied mathematics, and to grow their professional and academic network. The more students who can engage with us, the more students can benefit from our math help rooms held in Mudd, volunteer at our programs, and see how math can be applied to many areas of study, including the Natural, Social, and Applied Sciences.

Furthermore, it would allow us to have more **official online presence and communication**. Our name could be placed on the Columbia website's Student Organizations page and in the Columbian Yearbook, as opposed to only on the Engineering Outreach, APAM, and SIAM webpages, which do not reach out to the general student body. By being on the Student Organizations page, those wishing to reach out to Applied Math student organizations would be able to find us; this would **increase the number of collaborations** we have with other student organizations. An example event at which collaborations between organizations is important is through the SEAS Outreach Mixer, which we participated in and met with other club leaders. It would not have been possible if we were not affiliated with Engineering Outreach, and if we were on the listing of student organizations, we would have more opportunities to participate in events such as this. Instead of just us reaching out to collaborate (such as for our past collaboration with the Columbia University Application Development Initiative for a Latex tutorial), outside individuals would reach out to us. Indeed, our placement on the international SIAM webpage has led to the Dartmouth SIAM chapter reaching out to us.

In addition, we would be allowed to have a university email and website. We would not have to resort to using a Gmail account that makes it hard for us to manage our members and a github

subdomain that is limited. We could have a mailbox in Lerner. SIAM and Google send to our personal mailboxes currently, and it would be less stressful to have a CU SIAM mailbox.

Lastly, we could obtain **funding**. On February 6, 2018, we used 20% of our limited funding from international SIAM, i.e. spent \$100, and got Cathy O'Neil to come give a talk in the Davis Auditorium, and the room for ~80 people was packed (Dr. O'Neil is the *New York Times* bestselling author of *Weapons of Math Destruction*). In 2016, we were able to kickstart our Coding Bootcamp, using a \$2500 grant from Google (Sadly, Google has ended this grant opportunity for all student groups), that the Columbia National Residence Hall Honorary recognized as *Educational Program of the Month* for October 2017. Evidently, with some funding, we can really make a mark and provide opportunities that students want.

