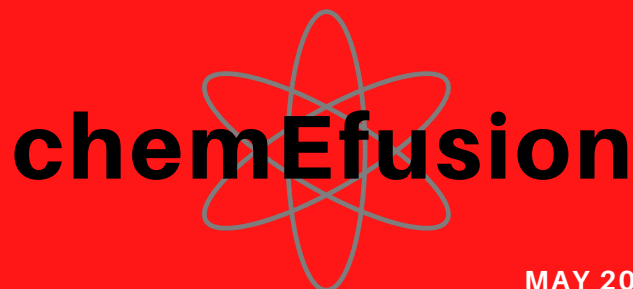




ChBE at Illinois Tech



MAY 2020 | VOL 1



## ***MESSAGE FROM THE PRESIDENT***

by Shubhada M. Khanvilkar

I am humbled, honored and privileged to have had the role of the President of GSA. I am deeply grateful to my predecessor, Fernando Borges, for his leadership and contributions to GSA during his presidency. I also want to thank Beatrice, Delores and other members of the board along with the faculty for their continued support. I would not have done this without the help of all my board members and it was their commitment and faith in the board and in me that inspired me to do all sorts of events.

To achieve the goal of our board that is personal and professional development of chemE students, the board members and I organized MATLAB workshops, Lunch with Students and Professors, Research Talks and Tips for the PhD Qualifying Exam.

It gives me immense satisfaction to see that despite the hurdles that we faced while organizing these events, we managed to pull off every event efficiently. I hope that the board will do even better in its next years and continue growing and reaching out to as many students as possible.

I take this opportunity to welcome the new President of the GSA Executive Board and wish him/her and its members good luck for the future endeavors.

### ***In this newsletter:***

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#### ***Message from the President***

Page 1

#### ***Mission Statement***

Page 2

#### ***Fall 2019 - Spring 2020 Events***

Page 2 & 3

#### ***GSA Members List***

Page 4

## GSA MISSION STATEMENT

"Our mission as the Graduate Student Association (GSA) of the Chemical and Biological Engineering Department is to create a community of fellow graduate students, promote interaction of graduate students with each other and with faculty members, improve the overall experience of ChBE graduate students and help graduate students develop professional skills through interactions with alumni at various periods of their careers."

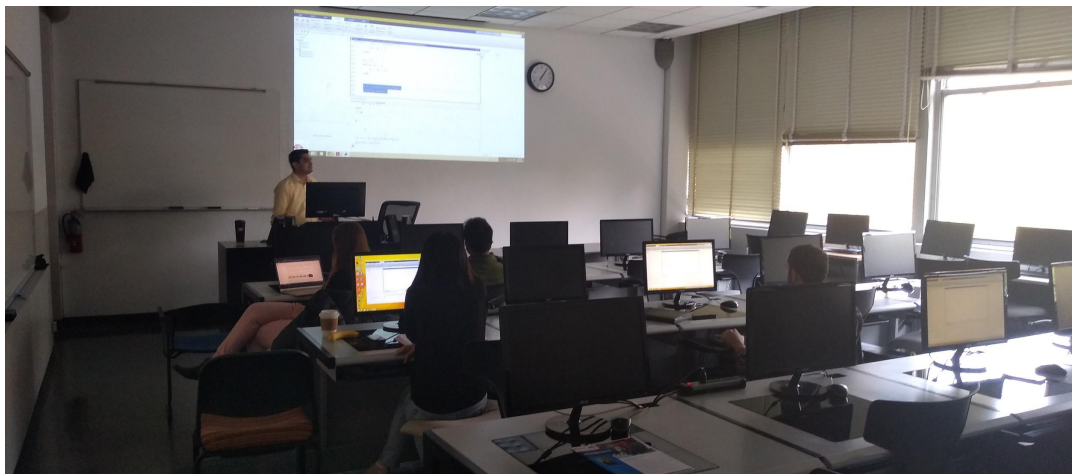
## EVENTS

### Fall 2019

- | <u>Date</u> | <u>Event</u>   |
|-------------|--|
| - 10/10     | MATLAB Workshop I  |
| - 10/17     | Lunch with Professors  |
| - 10/24     | MATLAB Workshop II   |
| - 10/31     | GSA Lunch Talk:<br>Professor Robert<br>Anderson                      |
| - 11/08     | <i>Twice, Thrice, Frice:</i><br>a Play by Professor<br>Fouad Teymour |
| - 11/13     | Taste of ChemE with<br>AICHE   |
| - 11/21     | GSA Lunch Talk:<br>Professor Hamid<br>Arastoopour                    |
| - 11/26     | Dinner with the GSA  |

### Spring 2020

- | <u>Date</u> | <u>Event</u>   |
|-------------|--|
| - 02/13     | Resume Workshop<br>with Tiara DeGuzman               |
| - 02/27     | GSA Lunch Talk:<br>Professor Jeffrey Zalc<br>Seminar |
| - 03/05     | IPC Student Chapter<br>Presentation                  |



GSA members and ChBE students attending a MATLAB workshop

### MATLAB Workshops I & II

Dr. Mudassir Rashid held a MATLAB workshop to showcase how different chemical engineering problems can be solved with software. Dr. Rashid covered the basic of programming, MATLAB-specific syntax, and the application to problems GSA and undergraduate students may encounter in coursework and research.



ChBE graduate students enjoying the GSA lunch

### GSA Lunch with Professors

Graduate students, staff, and professors came together to enjoy some delicious takeout for the fall lunch event. The event was held in the graduate student lounge in Wishnick Hall. The lunch is always a popular event and we're looking forward to another great time next year!

## Computational Transport Phenomena

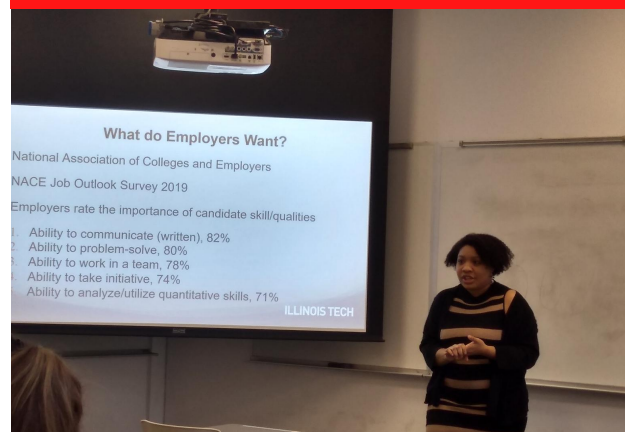
Professor Hamid Arastoopour presented his work on computational transport phenomena to the GSA. The talk introduced topics such as transport phenomena of multiphase systems and fluidization, sustainability, computational fluid dynamics, and the application of transport phenomena to carbon capture and sustainable energy technology.



Professor Hamid Arastoopour

## Resume Workshop

In February, the GSA hosted a resume workshop with Tiara DeGuzman from Career Services. The presentation covered networking, applying to jobs, and important tips on how to use student projects and extracurricular activities for job searching. GSA members near graduation gained valuable knowledge to aid in their job search. Tiara also advised the members on how to build valuable networking relationships both before and after graduation.



Tiara DeGuzman

## Process Modeling and Optimization

Professor Jeffrey Zalc presented his work on process modeling and optimization to the GSA. The presentation explored the design and software implementation of process models and how they can aid process operation. Professor Zalc also discussed the use of optimization techniques to make decisions and improve plant performance. Students were introduced to software packages used in industry and the valuable modeling applications they may provide.



Professor Jeffrey Zalc

## IPC Student Chapter Presentation

Aaron Birney from IPC visited IIT to give a talk to GSA members in March. IPC is an organization that seeks to help engineering and technology students prepare for a career in electronics manufacturing. IPC student members get access to training, education, and networking opportunities supported by manufacturing companies around the country. The audience was treated to pizza, refreshments, and a Bluetooth headphone raffle after the talk.



Aaron Birney

# Spring 2020 GSA Executive Board

Shubhada Mahesh Khanvilkar-----President  
(Spring 2020 Graduate MAS-ChE)  
Essa Almutar-----Treasurer  
(Spring 2020 Graduate MAS-ChE, pursuing PhD-ChE)  
Ogechi Chinenye Okocha Rufus-----Secretary  
Ahmad Ijaz-----Asst.to Secretary  
Katarzyna Kosierb-----Asst. to Advertising Coordinator  
Sandra De La Torre-----Advertising Coordinator  
Andrew Shahidehpour-----Historian  
(Fall 2019 Graduate BS-ChEM/MAS ChE, pursuing PhD-ChE)

## Prior GSA Executive Boards

### Spring 2019

Fernando Borges-----President  
Sofia Garcia Fracaro-----Vice-President of Events  
Riya Narjari-----Asst. Vice-President of Events  
Sandhya Penta-----Treasurer  
Shashikant Jagtap-----Sports Coordinator  
Shubhada Mahesh Khanvilkar-----Secretary & Advertising Coordinator

### Fall 2018

Fernando Borges-----President  
Sofia Garcia Fracaro-----Vice-President of Events  
Riya Narjari-----Asst.Vice-President of Events  
Sandhya Penta-----Asst. Treasurer  
Shashikant Jagtap-----Asst. Sports Coordinator  
Shubhada Mahesh Khanvilkar-----Advertisement Coordinator  
Oluwatobi Yusuf-----Social Media Coordinator  
(Spring 2019 Graduate MAS-ChE)  
Gaurav Paturkar-----Sports Coordinator  
Dennis Owusu-----Historian  
Vasanti Dhakate-----Secretary  
Angelos Abutahoun-----Treasurer

### Advisors

Beatrice Person-----Staff Advisor  
Donald Chmielewski-----Faculty Advisor

### chemEfusion Newsletter Committee

Andrew Shahidehpour-----Editor/Historian  
Shubhada Mahesh Khanvilkar-----President  
Beatrice Person-----Staff Advisor



GSA members at dinner

Vote and Nominate!

Join the GSA  
Executive Board  
and Inspire Others!

**JOIN GSA!**

Contact Us:

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Hawklink: gsachbe

Email: gsa.chbe.iit@gmail.com



ChBE at Illinois Tech