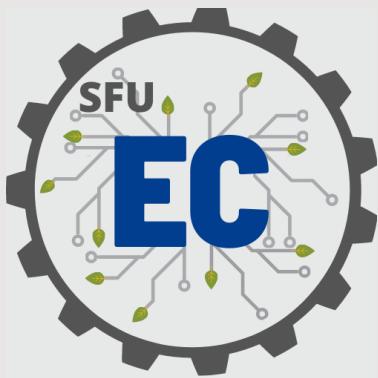


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**SFU ONLINE STUDENT LIFE**

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# **ENGINEERING COMPETITION**

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**STUDENT SOCIETIES:**

ENGINEERING SCIENCE  
MECHATRONIC SYSTEMS ENGINEERING  
SUSTAINABLE ENERGY ENGINEERING

**NOVEMBER 11TH-15TH • 2020**

# EVENT PROGRAM

NOV 11TH - 15TH • 2020

OPENING CEREMONY  
COMPETITION DETAILS

NOVEMBER 11TH  
12:00PM - 12:30PM

START OF THE COMPETITION

12:30PM

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DEADLINE FOR  
LATE REGISTRATIONS  
(DEDUCTION)

NOVEMBER 13TH  
5:00PM

SUBMISSION DEADLINE

NOVEMBER 15TH  
11:59 AM

JUDGING STARTS

12:30 PM

JUDGING ENDS

3:00 PM

CLOSING CEREMONY

3:30 PM

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# THEME

This year's theme is **SFU Online Student Life**. Given the current state of events throughout 2020, students have been placed into online learning environments. They face new challenges in all aspects of their academic career. Challenges range from multiple aspects which include health and wellbeing, technology, communication, extracurriculars, and classroom learning. SFU Engineering Competition wants the participants to come up with solutions or explanations to current problems they have encountered throughout these past few months of online learning, and apply their engineering knowledge.



# MEET THE CHAIRS



## AMR MARZOUK

PH.D., MECHANICAL ENGINEERING

### CHAIR OF SENIOR DESIGN COMPETITION

MR MARZOUK IS A LECTURER FOR THE SCHOOL OF MECHATRONIC SYSTEMS ENGINEERING, WITH RESEARCH INTERESTS IN REAL-TIME EMBEDDED SYSTEMS & CONTROL AND INTELLIGENT SENSORS.

## MEHRAN ADMADI

PHD., SCHOOL OF MECHATRONIC SYSTEMS ENGINEERING

### CHAIR OF INNOVATIVE DESIGN COMPETITION

MEHRAN AHMADI IS A LECTURER, UNDERGRADUATE CURRICULUM COMMITTEE CHAIR, AND THE ASSOCIATE DIRECTOR AT THE SCHOOL OF SUSTAINABLE ENERGY ENGINEERING WEG AT SFU.



## JAMES LIU

MECHATRONIC SYSTEMS ENGINEERING

### CHAIR OF JUNIOR DESIGN COMPETITION

JAMES LIU IS A 5TH YEAR MSE STUDENT, MEMBER OF TEAM GUARDIAN AND SFU ROCKETRY, AND LIKES WORKING ON MECHANICAL PROJECTS. JAMES HAS AN EXTENSIVE BACKGROUND IN MECHANICAL ENGINEERING AND 3D PRINTING PROJECT. AS THE FORMER PRESIDENT OF THE MSESS, JAMES HAS A DEEP UNDERSTANDING OF THE STUDENT BODY AND HAS BEEN AN ACTIVE MEMBER IN EVENTS ORGANIZED FOR THE STUDENTS SOCIETIES.

# MEET THE CHAIRS

## ANDY WANG

SOFTWARE SYSTEMS

### CHAIR OF PROGRAMMING COMPETITION

ANDY IS THE SOFTWARE SYSTEMS STUDENT SOCIETY PRESIDENT, ASSISTING HIS FELLOW CLASSMATES THROUGH HACKATHONS, PROGRAMMING WORKSHOPS, AND FUN EVENTS. YOU CAN CATCH HIM IN THE SSSS DISCORD, OR HANGING OUT IN ROOM SUR 4016 (PRE-COVID). A VERY EXPERIENCED PROGRAMMER, FOR FUN AND FOR WORK.



## KAREN LUU

SUSTAINABLE ENERGY ENGINEERING

### CHAIR OF COMMUNICATIONS COMPETITION

CURRENT SEE STUDENT, AND FORMER ENSC STUDENT, KAREN LUU HAS ATTENDED MULTIPLE CONFERENCES AND IS INVOLVED IN NUMEROUS WAYS IN THE SFU ENGINEERING COMMUNITY. SHE IS WORKING WITH THE NEW SFU BUILDING DESIGN TEAM, SO IF YOU'RE INTERESTED, COMMUNICATE WITH HER!

## MAHDA JAHROMI

PH.D., ELECTRICAL AND ELECTRONICS ENGINEERING

### CHAIR OF CONSULTING ENGINEERING COMPETITION

MAHDA JAHROMI IS A LECTURER FOR THE SCHOOL OF SUSTAINABLE ENERGY ENGINEERING, WITH TEACHING INTERESTS IN RENEWABLE ENERGY SYSTEMS AND POWER ELECTRONICS, AMONG OTHERS.



# MEET THE JUDGES



**TACO**

**NIET**

PH.D., MECHANICAL  
ENGINEERING

INNOVATIVE DESIGN



**JAKE**

**LOFTUS**

SUSTAINABLE ENERGY  
ENGINEERING

INNOVATIVE DESIGN



**MUHAMMAD**

**ABID**

MECHATRONIC SYSTEMS  
ENGINEERING

SENIOR DESIGN



**MATTHEW**  
**MENDOZA**

MECHATRONIC SYSTEMS  
ENGINEERING

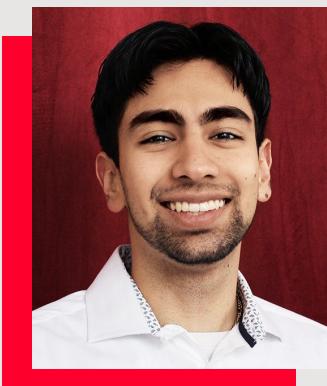
SENIOR DESIGN



**JAMES**  
**LIU**

MECHATRONIC SYSTEMS  
ENGINEERING

JUNIOR DESIGN



**FELIPE**  
**PATARROYO**

SUSTAINABLE ENERGY  
ENGINEERING

JUNIOR DESIGN

# MEET THE JUDGES



**PRANJAL  
BISWAS**

MECHATRONIC SYSTEMS  
ENGINEERING

JUNIOR DESIGN



**GABE  
MANANSALA**

ENGINEERING  
SCIENCE

ENGINEERING  
COMMUNICATIONS



**ALVIN  
DAVID**  
ENGINEERING  
SCIENCE  
ENGINEERING  
COMMUNICATIONS



**BRINDAN  
RAMALINGAM**  
MECHATRONIC SYSTEMS  
ENGINEERING  
CONSULTING  
ENGINEERING

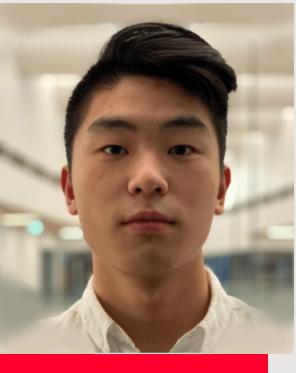


**KIA  
BROWNRIDGE**  
SUSTAINABLE ENERGY  
ENGINEERING  
CONSULTING  
ENGINEERING



**QUINCE  
BIELKA**  
SOFTWARE  
SYSTEMS  
PROGRAMMING

# MEET THE JUDGES



**DEVIN  
LU**  
*SOFTWARE  
SYSTEMS  
PROGRAMMING*



**RIYA  
DHARIWAL**  
*SOFTWARE  
SYSTEMS  
PROGRAMMING*



**PROF. VIVIAN  
NEAL**  
*SUSTAINABLE ENERGY  
ENGINEERING  
CONSULTING*

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