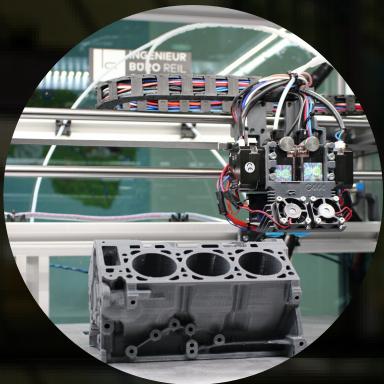


SRIIL PRESENTS

SUMMER 2020 STEM WORKSHOPS

**SURREY ROBOTICS
INNOVATION LAB**

Registration now open



UAV
Mechatronics
Engineering



3D Printing &
CAD



Leadership
in EDI

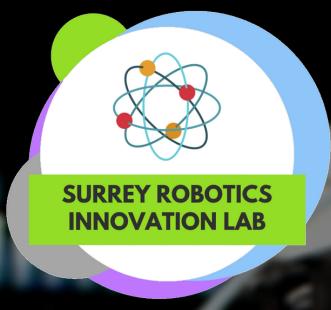
IN PARTNERSHIP WITH



THE UNIVERSITY OF BRITISH COLUMBIA
Centre for Community Engaged Learning
Student Development & Services



SIMON FRASER
UNIVERSITY



WORKSHOP #1

UAV MECHATRONICS ENGINEERING

July 14 | 11:30AM - 12:30PM

lead by:

RAYMOND YU

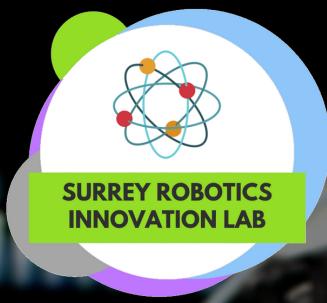
AIRCRAFT SYSTEMS
ARCHITECT



As a recent UBC mechanical engineering graduate specializing in mechatronics, Raymond has interests in geopolitics, aerospace, and new technologies.

He worked on advocacy and policy efforts with Engineers Without Borders UBC, and was the captain of the unmanned aerial vehicle (UAV) student design team, developing several innovative ground and airborne systems for international competitions. He had several co-ops ranging from local technology startups to the European aerospace giant Airbus, where he worked on data analytics, controls optimization, flight test instrumentation, and rapid prototype development of various experimental and in-service aircraft systems.

Raymond is currently working as an aircraft systems architect, and in his spare time pre-COVID he enjoys exploring the great outdoors and hacking together augmented reality programs or wireless charging stations. He looks forward to connecting with all of you!



WORKSHOP #2

3D PRINTING & CAD

July 20 | 3:00PM - 4:00PM

lead by:

ADAM METWALLY

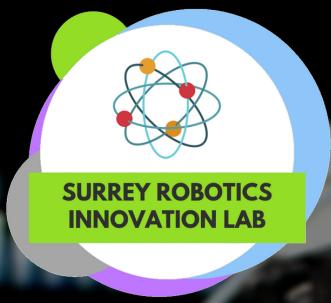
3RD YEAR UBC
STUDENT



Hi! My name is Adam Metwally, and I'm a third-year standing undergraduate student in the BA & BASc Dual Degree program at the University of British Columbia studying Philosophy and Mechanical Engineering.

My greatest passion would be the product design of cutting-edge technologies. As a result of my interests, I've had the pleasure of spending almost 3 years with UBC Unmanned Aircraft Systems, a student design team focusing on pushing the boundaries of autonomous aviation. On the work front, I spent an 8-month co-op stint learning from the best at WSP in Vancouver, working on large-scale building projects. Whether it's for club, school, work or personal projects, I use both CAD and rapid prototyping on a daily basis. These tools are absolutely critical to my projects. If you'd like to learn about some of the specifics of my work, you can always visit www.adammet.com for more information.

I look forward to working with you all and helping spread some of my knowledge about these topics so that you too may find them useful in your own work!



WORKSHOP #3

LEADERSHIP IN EDI

Late July/early August

lead by:

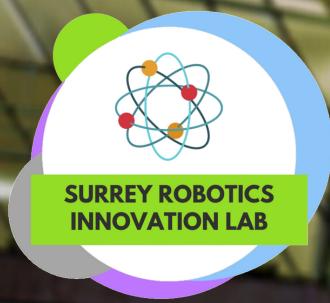
SHERYL STAUB-FRENCH, PHD, PENG

PROFESSOR &
ASSOCIATE DEAN

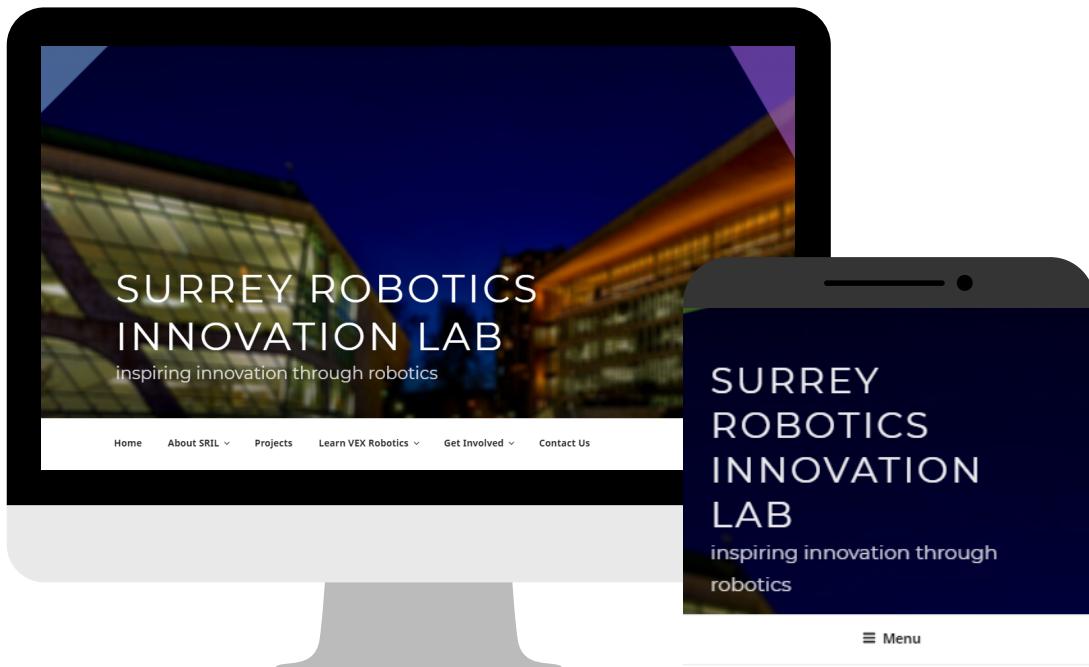


Dr. Staub-French is a Professor of Civil Engineering and Associate Dean of Equity, Diversity and Inclusion (EDI) at the University of British Columbia (UBC). As Associate Dean, she helps to lead the engineering outreach program Geering Up!, which promotes engineering and STEM skills to kids and youth, parents and teachers.

She also leads EDI initiatives in the Faculty to enhance the diverse representation of students in engineering, and to cultivate inclusive spaces and experiences that support all members of the community. As Director of the BIM TOPiCS Lab, Dr. Staub-French leads research to support the digital delivery of sustainable building projects through the collaborative use of building information modeling (BIM). She has contributed more than 100 papers in leading journals and conferences on BIM and topics related to the technological and organizational issues associated with its implementation.



CONTACT US



SURREYROBOTICSINNOVATIONLAB.CA

INFO@SURREYROBOTICSINNOVATIONLAB.CA



Registration is open from **June 1 – June 30**, so be sure to secure your spot as soon as possible!

Why should you attend these workshops? We have **prizes worth \$180!** You'll be automatically entered in the prize draw for attending all 3 workshops and filling out 3 short surveys. For every friend you invite who registers, you will receive additional entries!

So what are you waiting for? Register now on our website!

<https://surreyroboticsinnovationlab.ca/get-involved/>