



FEBRUARY 2020



SAN DIEGO MESA COLLEGE INNOVATION RESEARCH LAB



Meet the Team!



Brian Mackus

"As the STEM Instructional Support Supervisor, my job is to support STEM programs across campus including within the IRL. Currently, in the IRL, I am helping to coordinate faculty across departments for the Eco Research Scholars Program. Through this program, we are going to be providing workshops that will help students prepare for the Mesa College Research Conference (MCRC) as well as research conferences across the state." - Brian Mackus



Catherine Cannock

Catherine Cannock has been the full time Instructional Assistant at the STEM Center since October 2016. She has recently began to assist in the development of the Innovation Research Lab. She looks forward to meeting you soon!

The Eco Research Scholar Program Presents: Mesa College Research Conference (MCRC) Preparation Workshops

Where:
Innovation
Research Lab
(B-106)

Friday, March 6 | 12:30PM - 1:30PM
"How to Submit an Abstract to the MCRC"

Prof. Dean Leavitt

Friday, April 10 | 12:30PM - 1:30PM
"How to Prepare a Research Poster Presentation"

Prof. Scott Suarez

Friday, May 8 | 9:00AM - 2:00PM
"How to Present a Research Poster Presentation"

ERS Program Faculty Liasons

ROOM: B-106

PHONE: (619) 388-5135

MESAIRL@SDCCD.EDU

WWW.SDMESA.EDU/IRL

HOURS OF OPERATION:

MON: 8AM - 5PM

TUE: 8AM - 5PM

WED: 8AM - 5PM

THURS: 8AM - 5PM

FRI: 9AM-1PM

SAT: CLOSED

SUN: CLOSED

FREE COFFEE EVERYDAY!

- **LENOVO LAPTOPS (TOUCH SCREEN) & HP DESKTOP COMPUTERS**
 - **PROGRAMS: DR JAVA, GOOGLE EARTH PRO, AND MORE COMING SOON, E.G., MATLAB, C++, ANSYS, SPSS**
- **FREE PRINTING SERVICES**
 - **BLACK AND WHITE PRINTER**
 - **COLOR PRINTER**
- **WHITEBOARDS**
- **CALCULATORS**
- **LCD TV SCREEN**
- **CHARGING STATIONS**

TEROBYTES

Ava Mason

Treobytes Executive Director

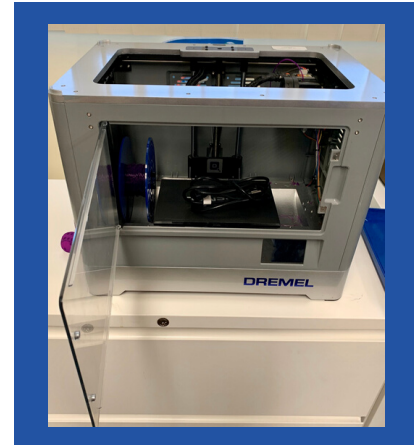


Ava graduated with a degree in Management Technology and Biochemistry from Purdue University.

“I found that the current structure of S.T.E.M. education in the San Diego public school system was not serving students from lower socioeconomic neighborhoods. Treobytes is one organization dedicated to moving the needle in the right direction.” - Ava Mason

3D Printer

Thee Executive Director of Treobytes, Ava Mason, has donated a 3D printer to the Innovation Research Lab! We are in the process of installing the necessary software and obtaining the necessary materials. Ava and her team will also host 3D Printer informational workshops in the IRL to show students how to use it. Stay tuned for more information!



February Engineering Workshops in the IRL:

ANSYS Dynamics Motion Analysis &
ANSYS Statics Structural Analysis



HOSTED BY: PROF. HAMIDREZA GHASEMI BAHRASEMAN
INFO ABOUT WORKSHOP

Students who attended Engineering workshops in February learned about techniques in ANSYS Mechanical. The ANSYS software creates simulated computer models of structures, electronics, or machine components to simulate strength, toughness, elasticity, temperature distribution, electromagnetism, fluid flow, and other attributes. The software is used to determine how a product will function with different specifications, without building test products or conducting crash tests.