

RIT CLEAN SNOWMOBILE NEWSLETTER



October 2022

THIS YEAR'S EXECUTIVE BOARD!

Team Manager: Elaine Greenfield, 4th year electrical engineering

Project Manager: Ethan Minichiello, 4th year mechanical engineering technology

Treasurer: Wayne Smith, 4th year mechanical engineering

Secretary: Gregory Derr-Haverlach, 3rd year robotics and manufacturing engineering technology

Public Relations: Michael Gublo, 2nd year mechanical engineering



FOREWORD

Sorry we missed you in September! Our team was fully occupied with onboarding new members, and kicking off projects. At the beginning of the semester, our team hosted a “Grill and Chill” event where we barbecued hotdogs and hamburgers and introduced the incoming first years to our team. Additionally, we attended the Tiger Activities Fair and had over 80 students express interest in joining.

TEAM AFFAIRS

In September, our team hosted a dynamic presentation for the university in conjunction with the other SAE teams: Baja, Formula, EVT, and Hotwheelz. Afterwards, we had a large picnic and presented information about our respective competitions.

Some of our members also participated in RIT's Performance Team Open House Event where they had the opportunity to meet employers and discuss employment opportunities. Many team members look forward to and rely on these opportunities to network and secure co-op positions. This year, we had 3 members receive co-ops directly from this event!

Lastly, our team attended this year Big East Powersports Show in Syracuse, NY. This is a great way to be exposed to new technology in the industry. Additionally, our team spoke with Polaris engineers here and gained valuable advice.

PROJECT OVERVIEW

Track Friction Testing: This project is designed to reduce friction in the track system. The team is specifically measuring the friction produced in the bogie-wheel bearings.

Exhaust: This project serves to redesign the previous competition's muffler. This season, we plan to implement baffling and a 2-way catalytic converter.

Noise and Vibration Measurement: This team is measuring noise and vibration to pinpoint locations of high noise or vibration.

DYNO/Emissions Analyzer: This project serves to measure and organize data outputs from the engine, including power, torque, and overall emissions.

Additive Manufacturing: Our additive manufacturing team is working to reduce the overall weight of the snowmobile and increase the strength to weight ratio.