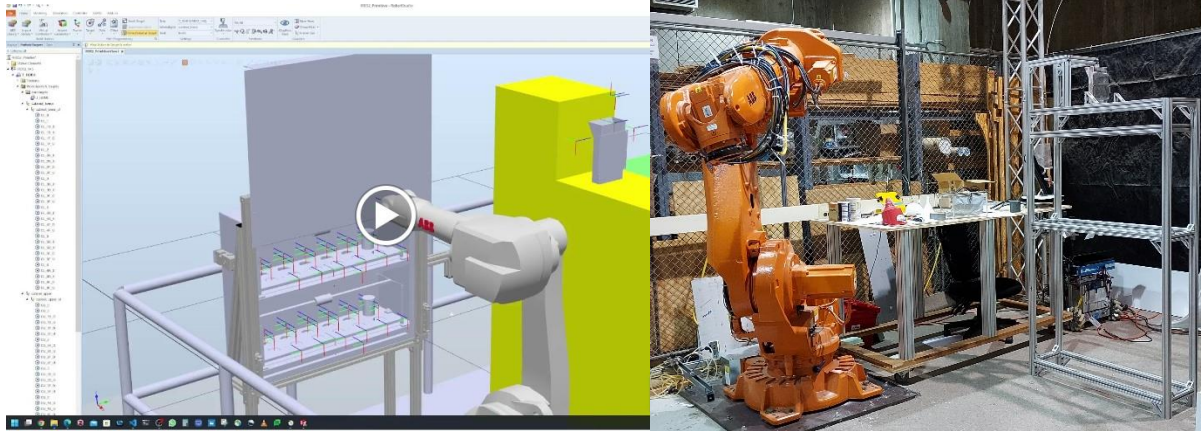


**Undergraduate Research Program
Openings for Undergraduate Students
Fall 2022**



The Manufacturing Innovation Center has immediate openings for multiple undergraduates to help develop a robotic demonstration of an industrial manufacturing process. The process involves pouring a powder material in a safe, controlled way, with no spillage and minimal dust generation, using an industrial robot. Students will help design, assemble, wire, plumb, install and debug electrical and pneumatic components and systems in the MIC laboratory in the CII high bay. The demonstration system includes interfaces to industrial hardware (valves, actuators, position sensors, end-of-arm tooling, safety systems etc.), a human user, a Kinect sensor and a database. Students will have an opportunity to work with graduate students, faculty and staff to realize a full system demonstration, and to quantify the system performance by running experiments.

Any student with an interest in industrial robots and/or manufacturing and a desire to participate in a hands-on project is encouraged to apply.

To apply, please contact:

Glenn Saunders
saundg@rpi.edu
CII 1038
518-276-6696



MIC Manufacturing
Innovation Center
at Rensselaer