

SYSC 4907 – Fall 2026/Winter 2027

Supervisor	Peter X. Liu
Co-supervisor	
Course section	SYSC 4907 K
Project ID	
Project title	Environmental adaptive rescue robots
Project description	In many rescue tasks, robots are required to have the capability to adapt to their changing terrain and environment. This can be realized, for example, through innovative robotic design, control and machine learning. In this project, students are required to formulate, design, implement and evaluate a rescue robot and demonstrates some environment- adaptive capabilities, such as crawling through rubble and climbing over a wall.
Program(s)	Biomedical and Electrical Computer Systems (Tele)Communications Software Electrical
Maximum number of students	5
Meeting time with supervisor (optional)	
Do you want the student to contact you before the office assign this project to them ? (Yes/No)	No