

Human-Robot Interaction

By: Prof. Michael Goodrich

<https://faculty.cs.byu.edu/~mike/>

The seminar will focus on Human-Robot Interaction (HRI), beginning with a survey and followed by "deeper dives" into four areas of HRI: interface designs for remote interactions between humans and aerial robots, collaborative human-robot path-planning for wilderness search and rescue, social human-robot interaction (robots for children with autism), and human interaction with robot swarms. These "deep dives" will be supported by a review of definitions and metrics in HRI, and will include reading one or two research papers accompanied by design exercises to create HRI systems in each area.