



SPACE
SYSTEMS
LABORATORY



BIOBOT

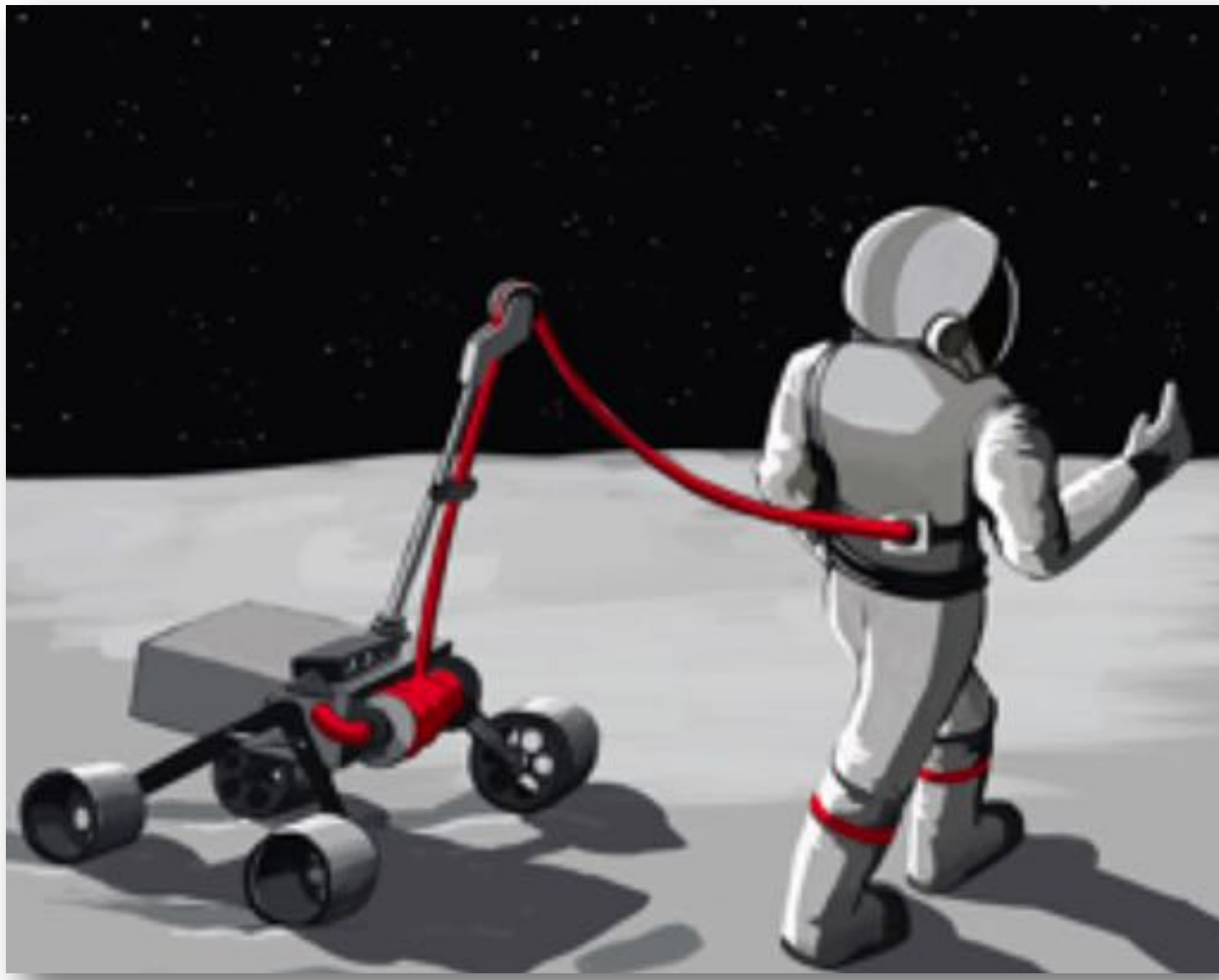
UMD/MdSGC Summer Internship

FACULTY
ADVISORS:

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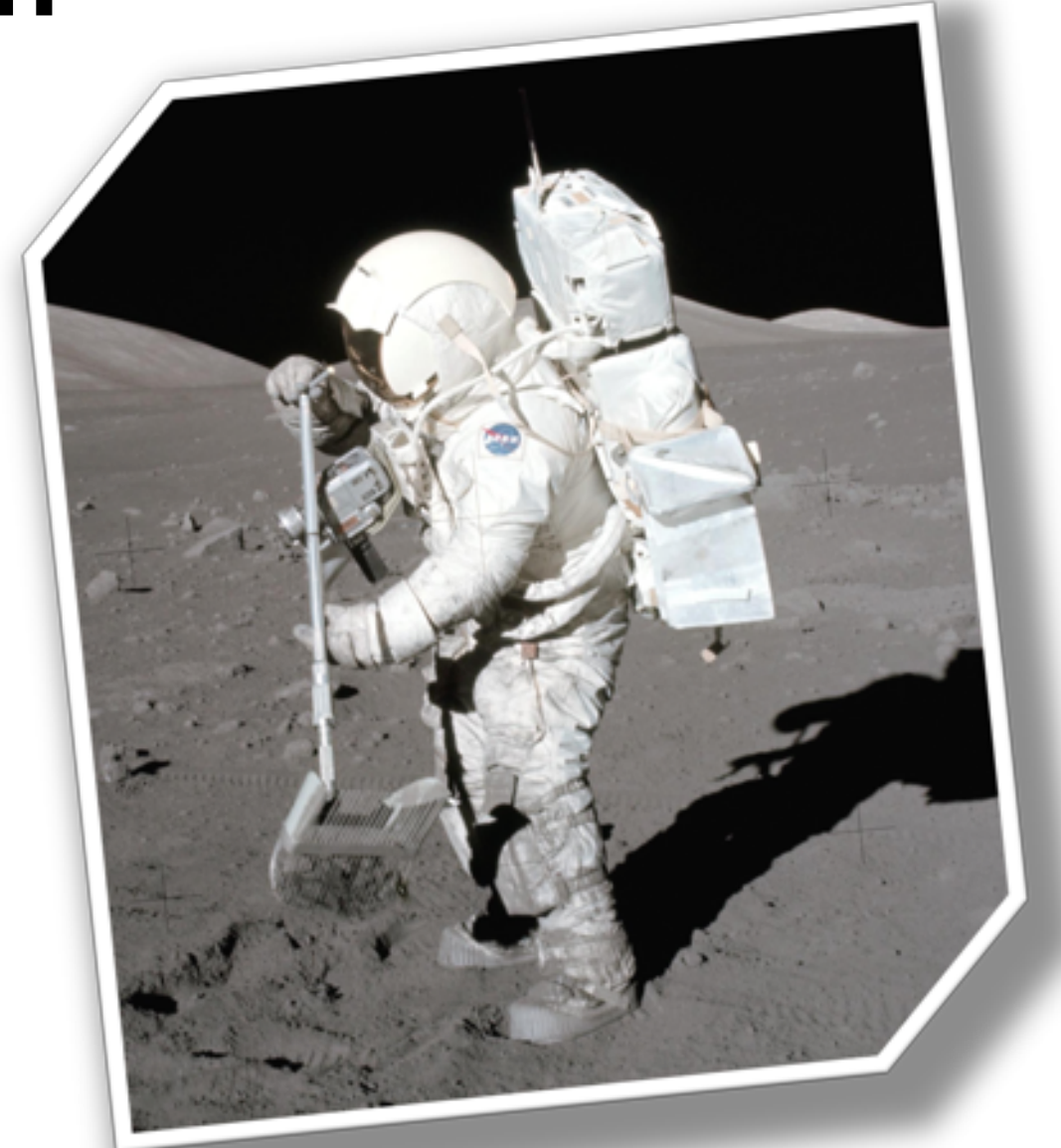


ERIK BRYSON



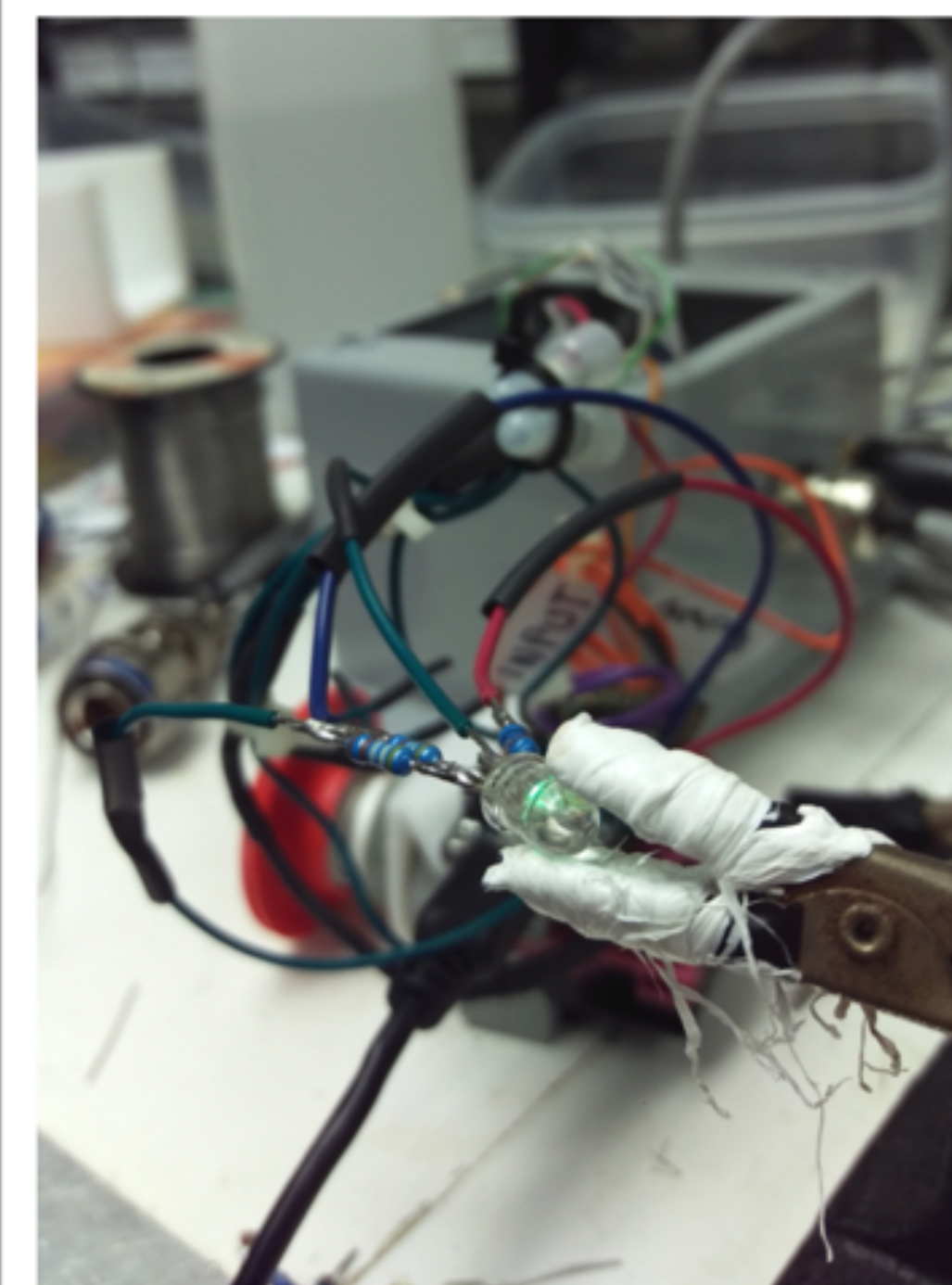
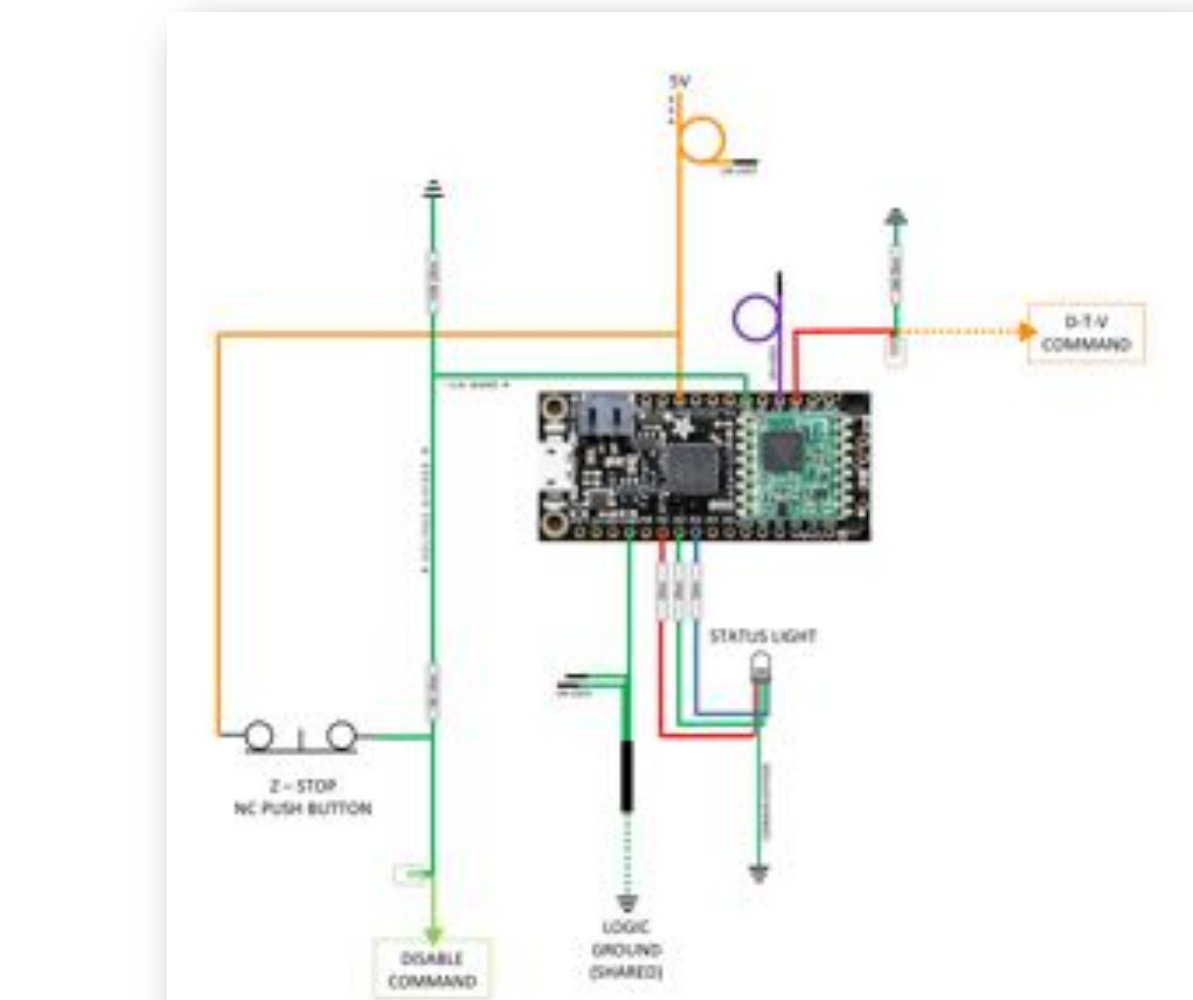
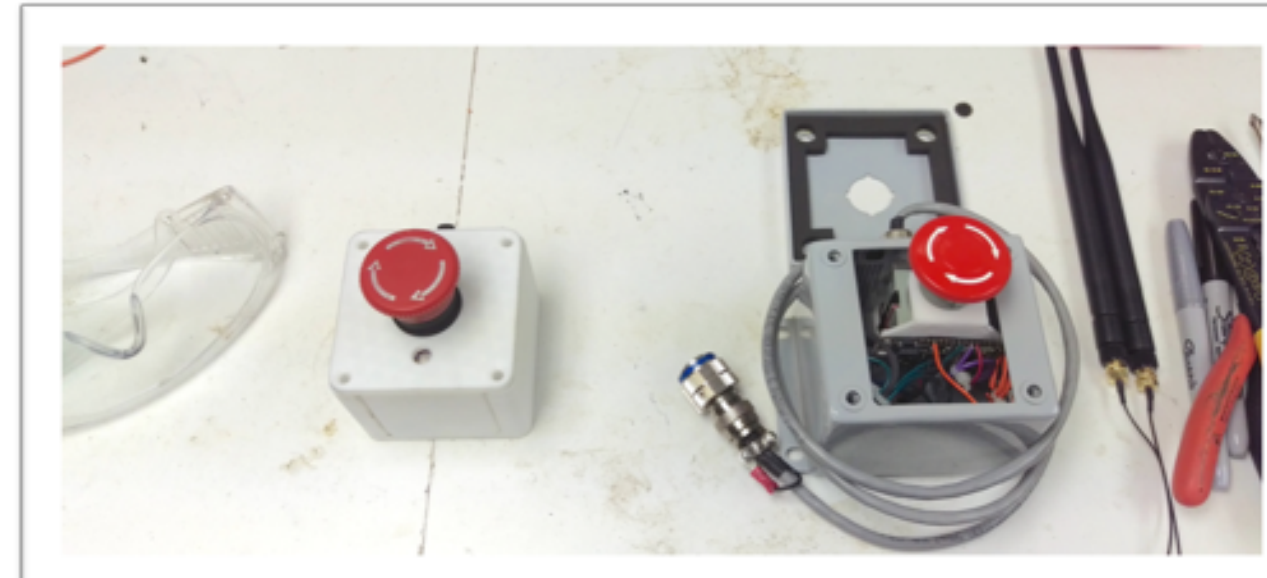
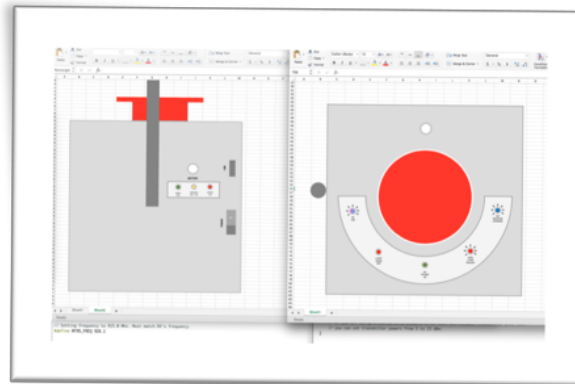
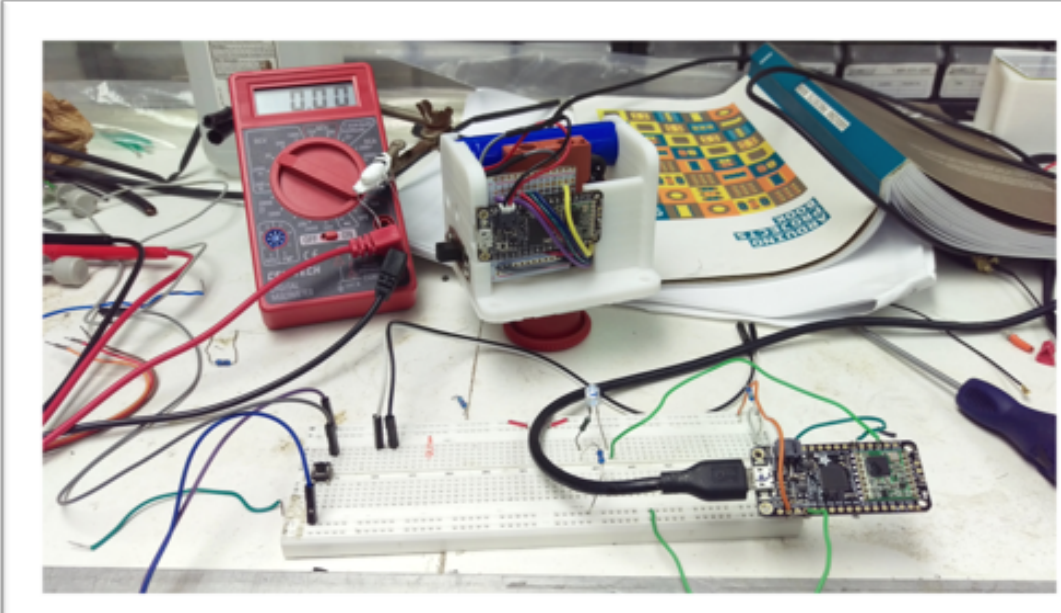
CREDIT: DAVE AKIN

Biobot carries the portable life support system (PLSS) for the astronaut. This allows for more dynamic suit designs by offloading the weight of the PLSS. This provides the flexibility needed for the endurance of extended EVA's in mars and lunar exploration. Several designs are being developed and tested in the Space Systems Laboratory at the University of Maryland in collaboration with Hagerstown Community College.



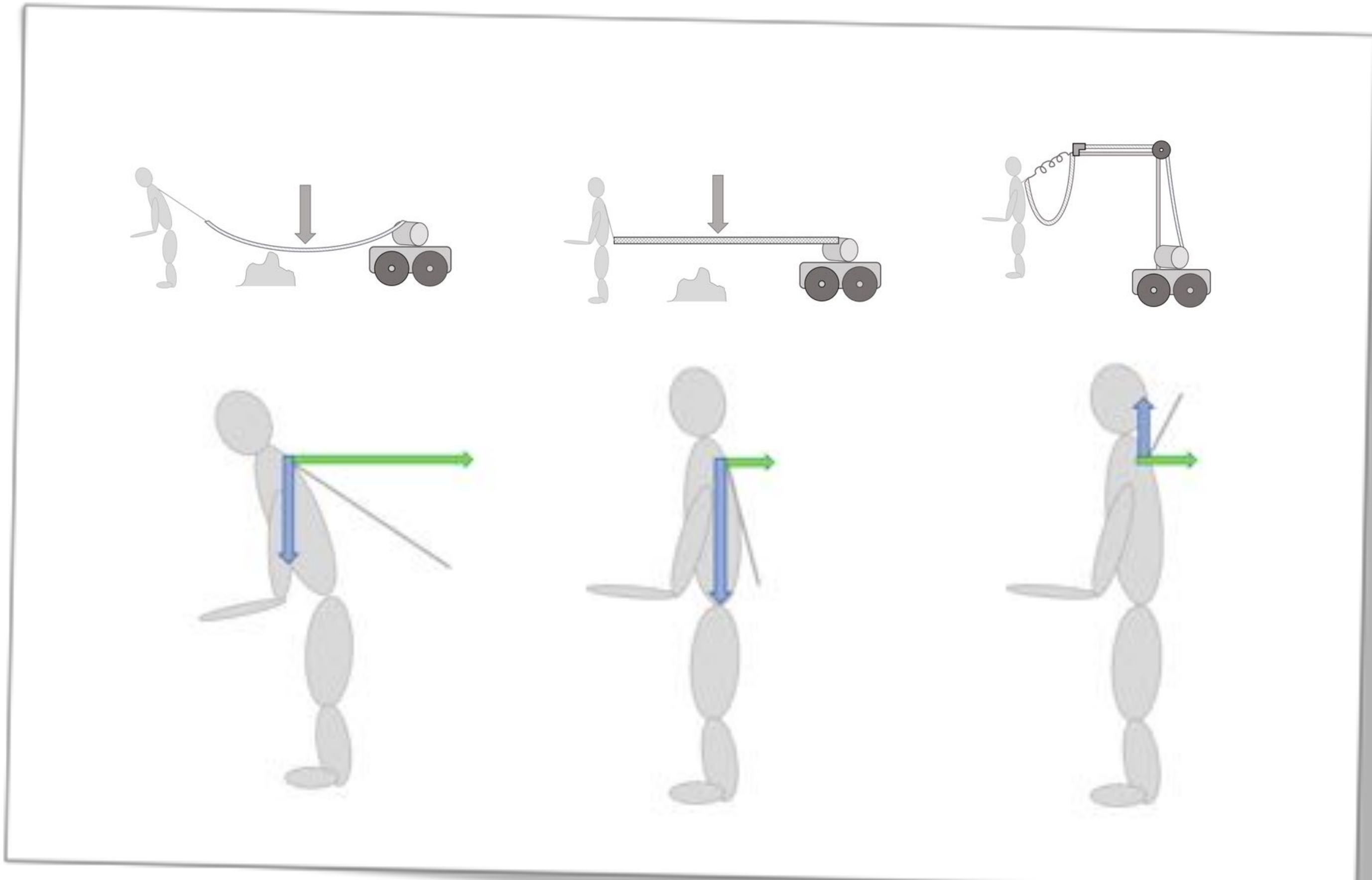
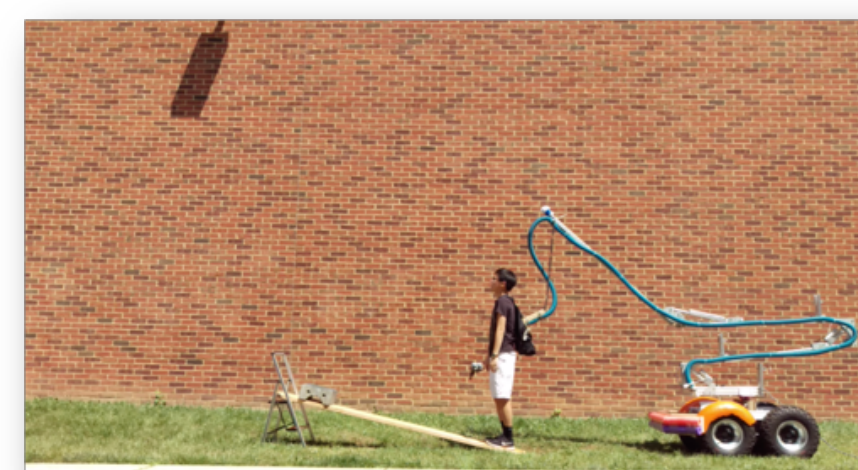
BIOBOT Z-STOP

The remote ability to safely stop Biobot



UMBILICAL EXTENSION

Umbilical extension of life support systems



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