Space Robotics
Science Fiction & Engineering Fact

February, 2017
Dr. Robert O. Ambrose
NASA Principal Technologist for Robotics and Autonomous Systems
Crew Rovers: The Martian

https://www.youtube.com/watch?v=yI_bgjWploA
Crew Rovers: NASA’s Chariot Rovers
Robot Assistants: Star Wars’ R2

Actor Kenny Baker
Robot Assistants: NASA’s Robonaut 2

R2B1
On ISS
Walking Robots: Interstellar’s TARS

Humor

https://www.youtube.com/watch?v=p3PfKf0ndik

Running

https://www.youtube.com/watch?v=p7Wulqr1hGo

Docking Support

https://www.youtube.com/watch?v=a3lcGnMhvSA

"I have a cue light I can use to show you when I'm joking, if you like."
Walking Robots: NASA’s Valkyrie
Jetpacks: Gravity and The Martian

Why you need a jetpack
https://www.youtube.com/watch?v=prlIhY3e04k

If you don’t have a jetpack
https://www.youtube.com/watch?v=E4nL-eoqBPA

“I hate space.” Sandra Bullock, Gravity

Matt Damon, Green Screen, The Martian
Jetpacks: NASA’s SAFER
Futuristic Cars: Total Recall
Futuristic Cars: NASA’s MRV

Premier, The Martian