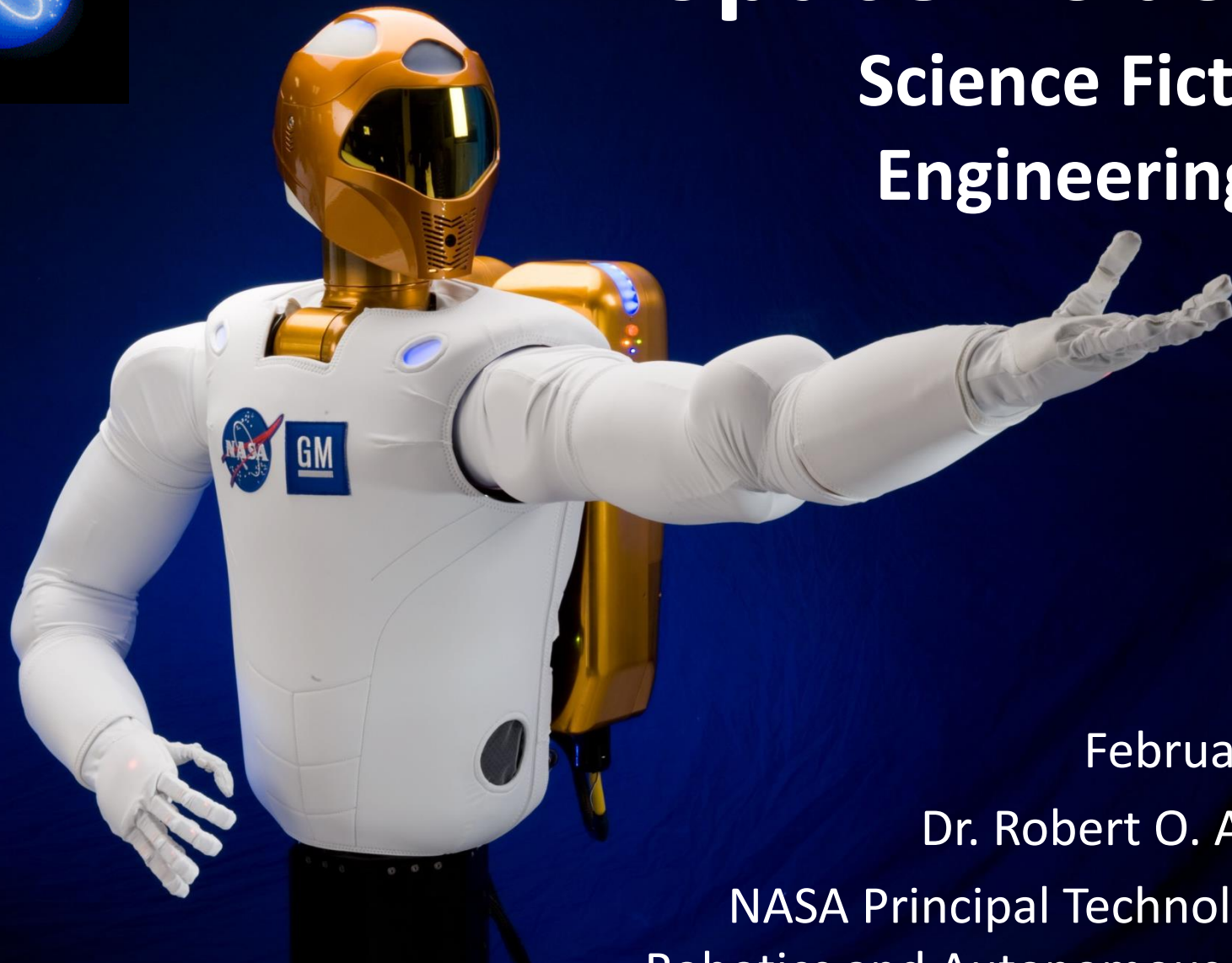




Space Robotics

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

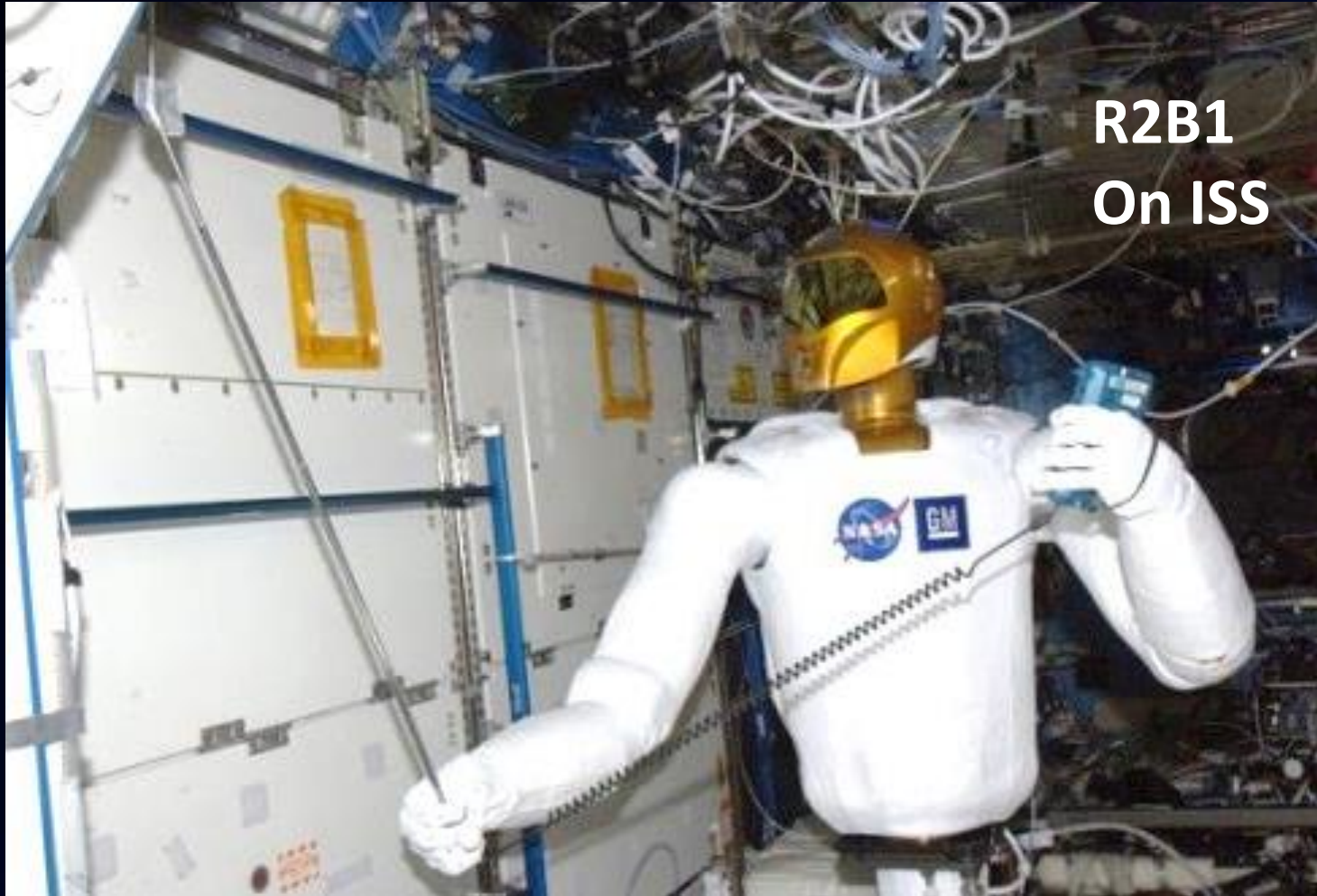


Robot Assistants: Star Wars' R2

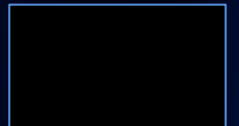


Actor Kenny Baker

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>

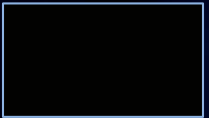
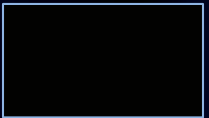
Docking Support

<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

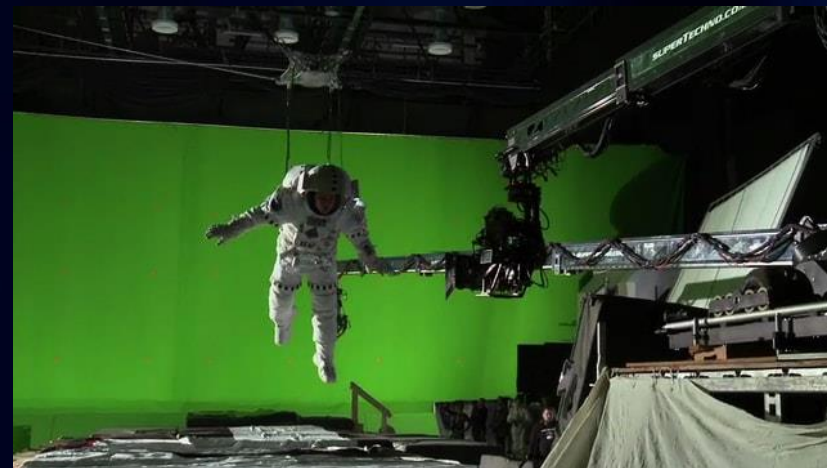
<https://www.youtube.com/watch?v=prllhY3e04k>

If you don't have a jetpack

<https://www.youtube.com/watch?v=E4nL-eoqBPA>

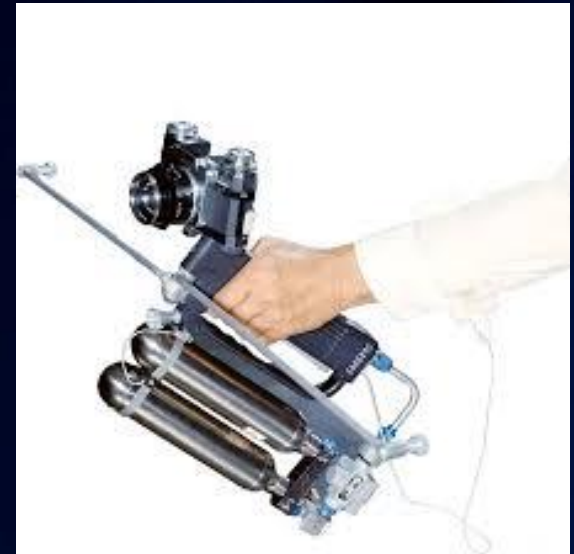


"I hate space." Sandra Bullock, Gravity



Matt Damon, Green Screen, The Martian

Jetpacks: NASA's SAFER



Futuristic Cars: Total Recall



Filming, Total Recall

Futuristic Cars: NASA's MRV



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Premier, The Martian