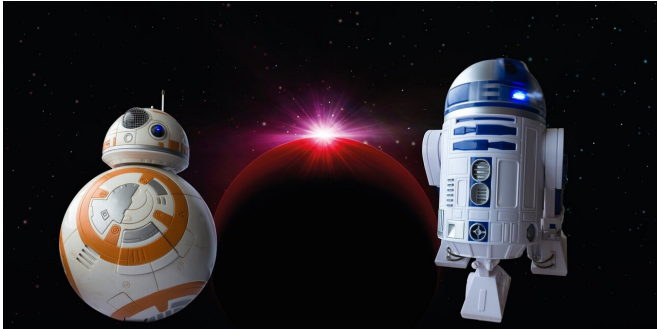


What producers of Star Wars movies are getting wrong about androids

13 May 2022, by Bob Yirka



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Robin Murphy, a roboticist at Texas A&M University has published a Focus piece in the journal *Science Robotics* outlining her views on the robots portrayed in "Star Wars," most particularly those featured in "The Mandalorian" and "The Book of Boba Fett." In her article, she says she believes that the portrayals of robots in both movies are quite creative, but suggests they are not wild enough to compete with robots that are made and used in the real world today.

Murphy begins by noting that one [robot](#) in particular, IG-11 in the Mandalorian, makes for good viewing with a rotating head that allows for shooting at targets in any direction, but she also notes that such a robot would very likely be overly susceptible to joint failure and would be saddled with huge computational demands. She suggests a more practical design would involve the use of fixed-array sensors.

Murphy also notes that robots in "Star Wars" [movies](#) do fail on occasion, generally during suspenseful scenes, which she further notes might explain why the empire met with its demise. As just one example, she wonders why the stormtroopers so often miss their targets. She also notes that in some ways, droids in "Star Wars" movies tend to

be far more advanced than droids in the real world, allowing them to hold human-like jobs such as bartending, teaching or translating. In so doing, she points out, producers of the movies have shied away from showing them doing more mundane work, like mining.

In the real world, she points out, robots are increasingly filling laborious roles traditionally carried out by humans. Automating mining in the real world, she notes, has led to a major drop in human labor costs over the past 20 years. She also wonders why [drones](#) are so seldom featured in "Star Wars" movies, noting that in the [real world](#), they have become a major part of warfare efforts. She notes that in a real space endeavor, a drone is currently helping a rover on Mars avoid patches of ground where it might get stuck.

Murphy concludes that one of the things the movies get right is the joy that roboticists can bring to those who benefit from the design and creation of imaginative robots in so many areas of life.

More information: Robin R. Murphy, The droids in The Mandalorian and The Book of Boba Fett are not wild enough for the real world, *Science Robotics* (2022). [DOI: 10.1126/scirobotics.abq3893](https://doi.org/10.1126/scirobotics.abq3893)

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