My name is Charles Bolden, I am actually the NASA Administrator.

When people ask me about space technologies that I think are important or things that really grip me the first thing that comes to mind for me is In-Space Propulsion.

That’s the game changing technology that we need to make travel to Mars easier on the human being because we can theoretically cut the transit time, if we can cut it in half we significantly limit the risk to crews.

The most important reason for us to delve into exploration, particularly deep space exploration is because of the technologies that compels us to develop and almost always they turn out to be technologies that serendipitously answer questions of human survival here on earth.

Now because of the work we’ve been doing in water regeneration systems on board The International Space Station in preparation for our journey to Mars, we can actually put some of these water purification systems out into the world.

You probably hear me talk a lot about what I do and why I get excited about it but I’m most excited because this is your opportunity, we’re trying to blaze the trails so that you can do something that humanity has never done before and will give you something that you can one day sit down with your children and grandchildren and tell them that you played a key role in this incredible human endeavor that took humanity
from this planet that we call home today, to another planet that allowed us to understand our solar system and our world much better than we'd ever understood it before.