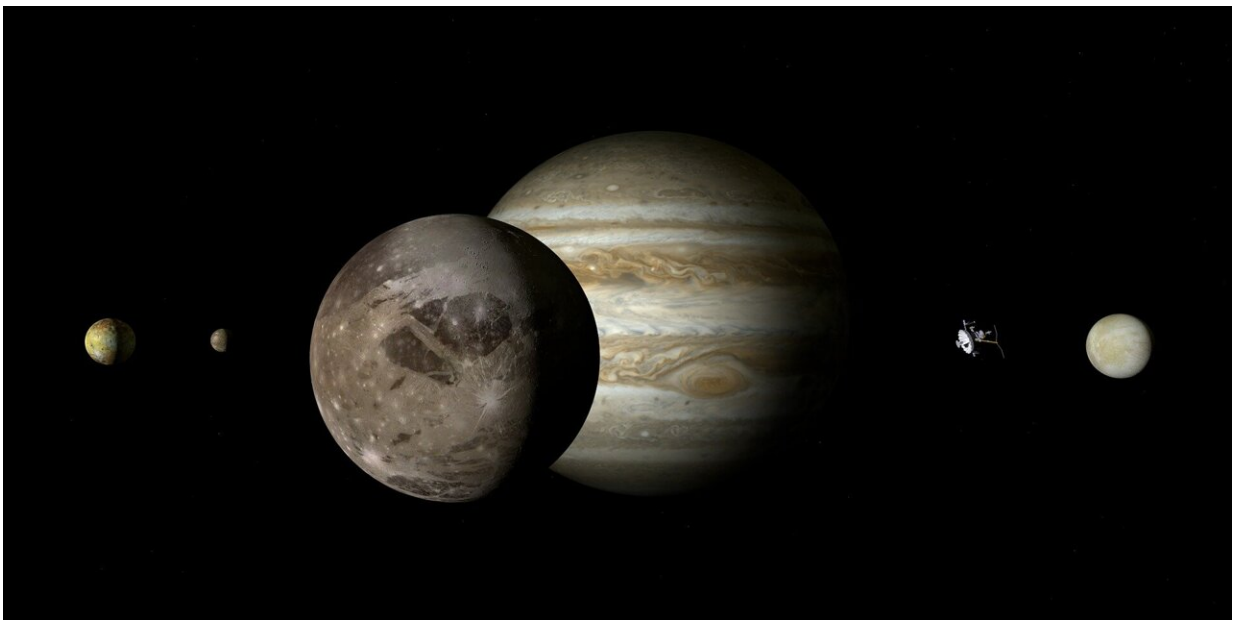


Best of Last Week: Close-up of Ganymede, manipulated Twitter trends, protection for COVID-19 patients

June 7 2021, by Bob Yirka



Credit: Pixabay/CC0 Public Domain

It was a good week for space science, as the team running NASA's Juno space probe announced it would soon get [a close look at Jupiter's moon Ganymede](#)—the group is hoping to learn more about the moon's ionosphere, composition, ice shell and magnetosphere. And a team at the International Center for Relativistic Astrophysics wondered [if the black hole at the center of the Milky Way could actually be a mass of dark](#)

[matter](#). They found some evidence that suggested that might be the case.

In technology news, a team at Ecole Polytechnique Federale de Lausanne, discovered [mass scale manipulation of Twitter Trends](#)—they found that half of all the trending Twitter topics in Turkey were fake. And a combined team from Bangladesh University of Engineering and Technology and the University of California, Los Angeles announced the development of [Text2App](#)—a framework that creates Android apps from text descriptions. Also, a combined team from the University of Pennsylvania and the University of California created [a recurrent neural network that infers a global temporal structure based on local examples](#). And a team at MIT developed [a programmable fiber that contains memory, temperature sensors and a trained neural network program](#).

In other news, a team of electrical engineers at the University of California, San Diego announced that they had developed [a light-shrinking material that lets ordinary microscopes see in super-resolution](#). And a team of researchers from Japan, the U.S., and the U.K. found [a drug combination that may cure COVID-19](#)—cepharanthine, an anti-inflammatory drug, and nelfinavir, which is used to treat HIV patients. And a team at the Neiker Basque Institute for Agricultural Research and Development found that [a beer byproduct when mixed with manure proved to be an excellent pesticide](#).

And finally, if you have been previously infected by the SARS-CoV-2 virus, you might want to check out the results of work done by a team at Rockefeller University—they found that people who had COVID-19 and then got vaccinated [are likely now protected against emerging variants of the virus](#).

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