

*Welcome to the Galileo Project Press Conference,
12:00 Noon – 1:00 PM ET*

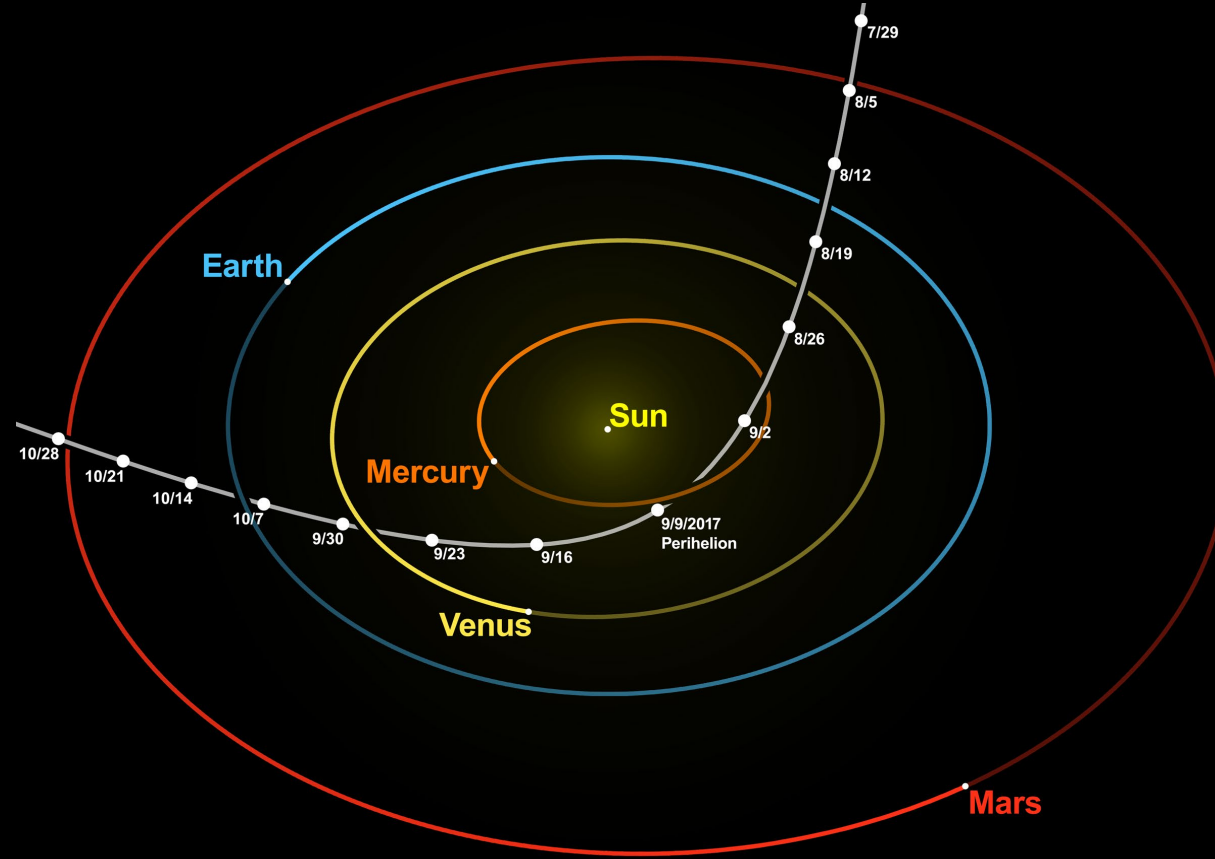
THE GALILEO PROJECT

<https://projects.iq.harvard.edu/galileo>

“Daring to Look Through New Telescopes”



'Oumuamua: First Interstellar Object - unlike comets or asteroids



- Most likely: flat, size of a football field
- No cometary tail of gas or dust
- Excess push from the Sun as for a very thin structure
- Originated in the *Local Standard of Rest*

“A Picture is worth sixty six thousand words!”

- Future interstellar objects (once per month with LSST/VRO):
- *Intercept trajectory for a close-up picture*



OSIRIS-Rex sample collection at
Asteroid Bennu: SamCam View
(NASA, Oct. 20, 2020)

Pentagon Report on Unidentified Aerial Phenomena (UAP)



- The scientific community needs the determination to systematically, scientifically and transparently look for potential evidence of extraterrestrial technological equipment. The impact of any discovery of extraterrestrial technology on science and on our entire world view would be enormous.
- Given the recently discovered abundance of habitable-zone exoplanets, the *Galileo Project* is dedicated to the proposition that humans can no longer ignore the possible existence of extraterrestrial technological civilizations. Science should not reject potential extraterrestrial explanations because of social stigma or cultural preferences that are not conducive to the scientific method of unbiased, empirical inquiry. We now must 'dare to look through new telescopes'.
- The *Galileo Project* will gather rich data sets that will foster the discovery of novel interstellar objects with anomalous properties, new natural atmospheric phenomena, or in some instances terrestrial technology explanations for many of the presently inexplicable UAP.

The *Galileo Project* Follows Three Major Avenues of Research:



- ***Obtain High-resolution, Multi-detector UAP Images, Discover their Nature:*** a megapixel image of the exterior of a human-scale UAP object at a distance of a mile will allow to distinguish: “Made in Country X” from the potential alternative “Made by exo-planet Y”
- ***Search for and In-Depth Research on ‘Oumuamua-like Interstellar Objects:*** space mission to image unusual interstellar objects such as ‘Oumuamua by intercepting their trajectories on their approach to the Sun or by using ground-based survey telescopes to discover interstellar meteors
- ***Search for Potential ETC Satellites:*** design advanced algorithmic and AI/DL object recognition and fast filtering methods

Historical Perspective and Naming



- The reference to Italian astronomer Galileo Galilei (1564-1642) was chosen in view of the possibility that the *Galileo Project* may make path-breaking discoveries regarding ETCs. The importance of the *potential* discoveries of rigorously validated scientific evidence of extraterrestrial technology may be similar in impact on astronomy and our world view as Galileo's pioneering use of telescopes for astronomical observations were in history.
- According to popular legend, after recanting under persecution his theory that the Earth moved around the Sun, Galileo allegedly muttered the rebellious phrase, "[And yet it moves.](#)"
- Galileo also complained that some of the philosophers who opposed his discoveries had refused even to look through his telescope, e.g., to see the mountains on the Moon, or the four largest moons of Jupiter.
- Let us not repeat their mistake.

Galileo Project Scope and Limitations

- *Galileo Project* aims to identify the nature of UAP and of interstellar 'Oumuamua-like objects using the standard scientific method based on transparent analysis of open scientific data to be collected using optimized, multispectral arrays of instruments.



Artist's rendering by European Southern Observatory shows interstellar object 'Oumuamua:
Helpful or misleading?

- The ground-based *Galileo Project* is complementary to traditional SETI, in that it searches for physical objects, and not electromagnetic signals associated with putative ETCs.
- For the *Galileo Project* only 'known physics' explanations are in scope. 'Alternative physics' hypotheses, while interesting, are explicitly not part of the *Galileo Project*.
- The *Galileo Project* will not engage in retroactive attempts to analyze existing images or partial data, or speculate on prior UAP, alleged observations or anecdotal reports, as these are not conducive to rigorously cross-validated, evidence-based scientific explanations.

Research Team



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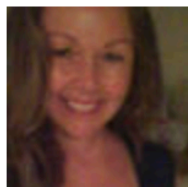
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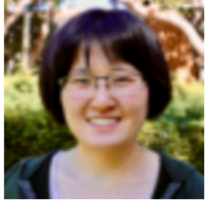
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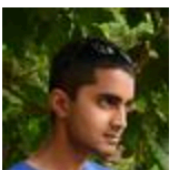
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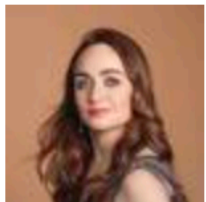
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Postdoctoral researcher (Nordic Fellow), Stockholm University, Sweden

Affiliated researcher with Instituto de Astrofísica de Canarias, Tenerife, Spain

Principal Investigator of the "Vanishing & Appearing Sources during a Century of Observations" project

The Galileo Project Q&A Session, Moderated by:

Mike Wall

Space.com

Faye Flam

Bloomberg Opinion Columnist

THE GALILEO PROJECT



“Daring to Look Through New Telescopes”

Thank you, this concludes our Press Conference

THE GALILEO PROJECT



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