



THE UNIVERSITY OF ARIZONA
COLLEGE OF SCIENCE

Astronomy
& Steward Observatory

You are invited to join us

Saturday, March 6, 2021

1:30 - 2:30 pm MST

For the our virtual

High Fire Casting

Sixth Primary Mirror

Giant Magellan Telescope



[REGISTER NOW](#)

We are virtually celebrating the creation of the sixth segment of the Giant Magellan Telescope's primary mirror array during the High Fire phase.

This casting of an 8.4-meter telescope mirror is a major milestone moment in the engineering process. This one-of-a-kind instrument will allow astronomers to solve some of the mysteries of the Universe.

When completed the [Giant Magellan Telescope](#) will be the largest and most powerful telescope in the world. The casting process uses an oven 40 feet in diameter to heat up 20 tons of glass to 2129° F. This unique fabrication process results in a lightweight honeycomb glass structure.

Here at the University of Arizona we are celebrating the achievement of this milestone. The [Richard F. Caris Mirror Lab](#) is the only place in the world where mirrors of this size are produced

The process is fascinating and you will have access to learn more and ask questions on **Saturday March 6, 2021 from 1:30 - 2:30 pm MST.**

This virtual event is being hosted by the [Mt. Lemmon SkyCenter](#), where we engage people of all ages in the process of scientific exploration as we foster a deeper understanding of our Earth within the Universe. We hope you will consider making a suggested \$25 donation. All donations made in support of this event will benefit the Mt. Lemmon SkyCenter.

[Donate to Mt. Lemmon SkyCenter](#)

For more information, contact Cathi Duncan at cduncanf@arizona.edu