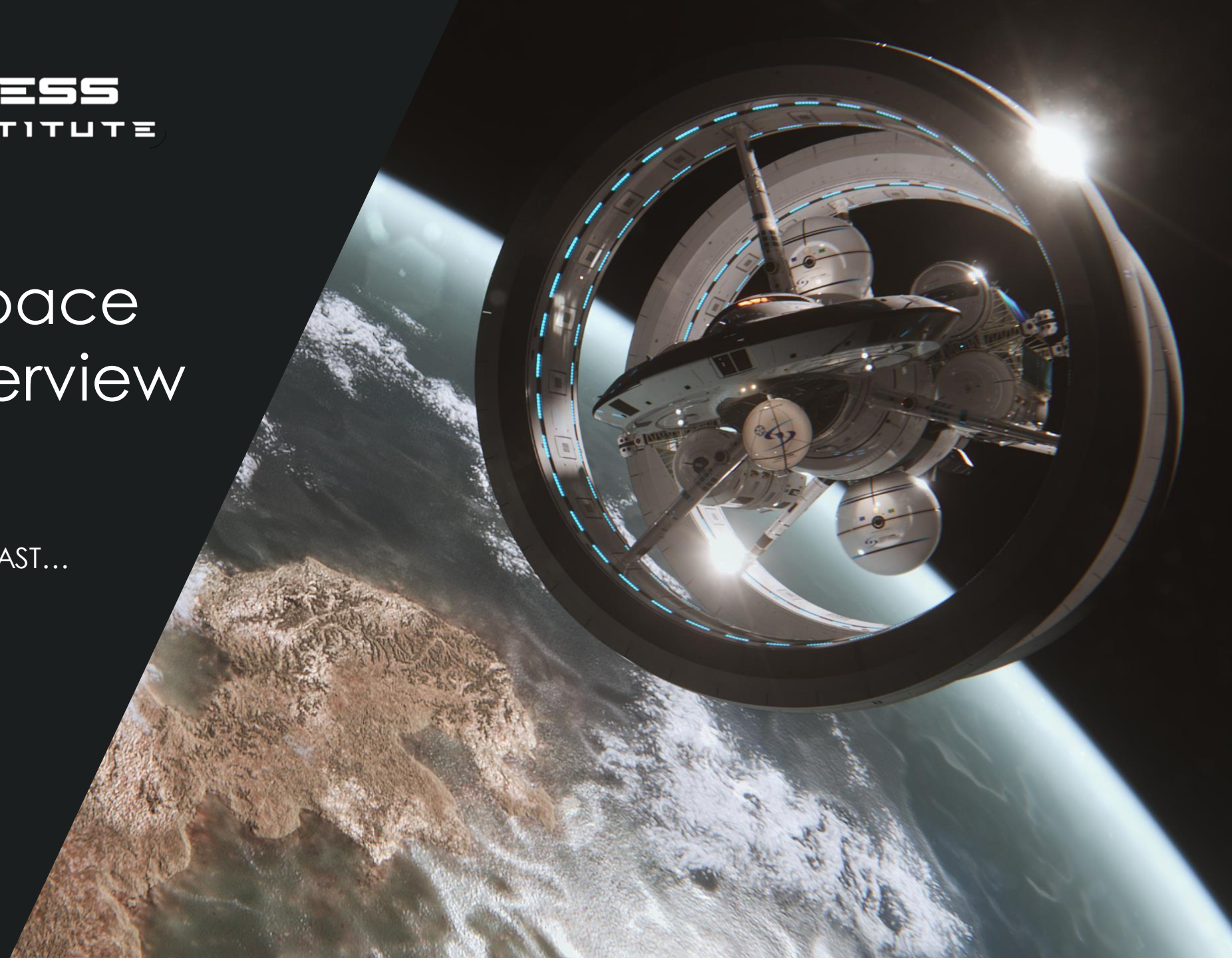
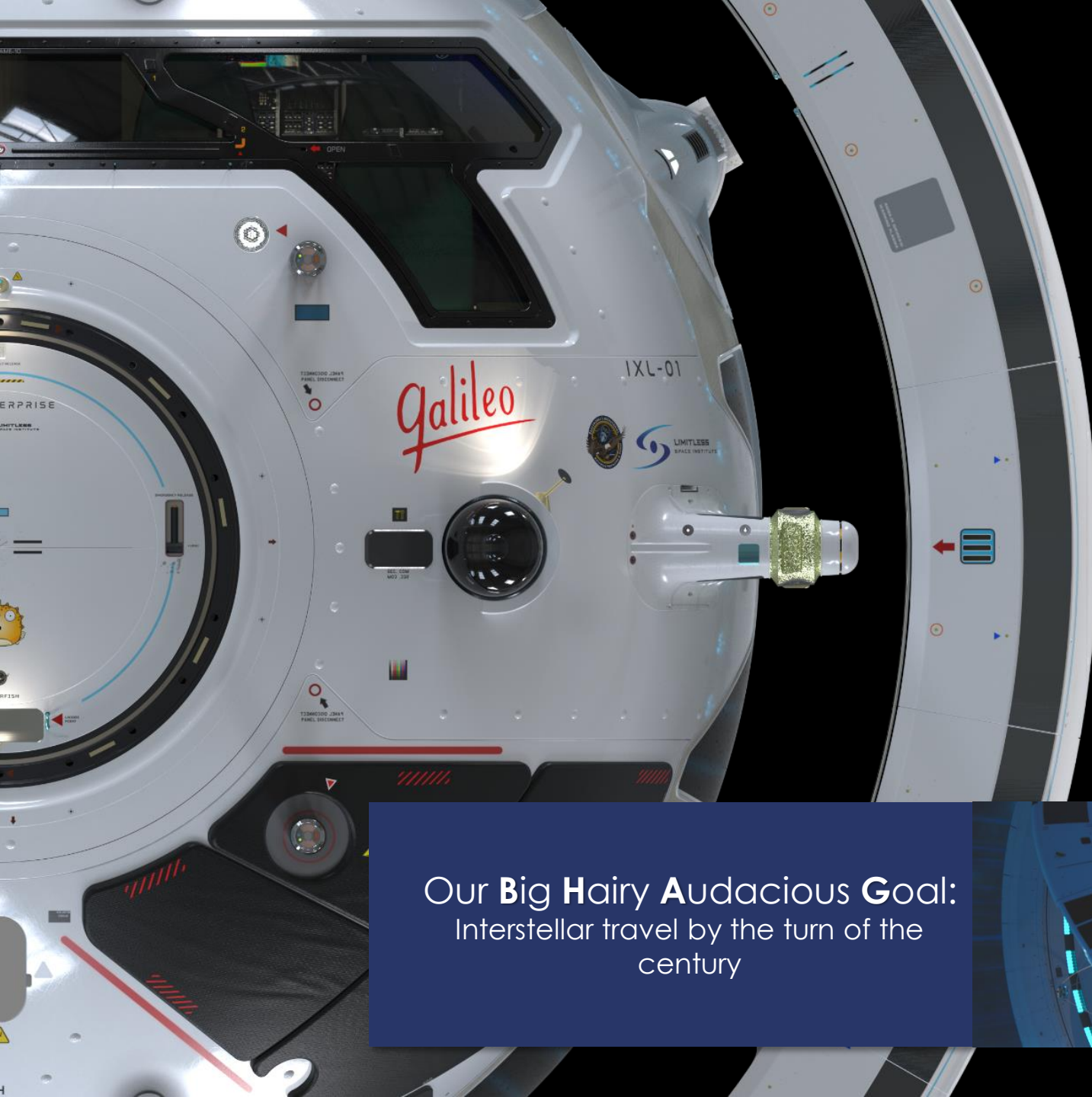




Limitless Space Institute Overview

...GO INCREDIBLY FAST...





Vision Statement

Advance human exploration
beyond our solar system

Mission Statement

Inspire and **educate** the next generation to travel beyond our solar system and to support the **research** and **development** of enabling technologies

Core Values

Our core values are **integrity**, **courage**, and **imagination**

Our **Big Hairy Audacious Goal**:
Interstellar travel by the turn of the
century



single most important performance metric to enable human exploration of outer solar system and stars is ability to *GO INCREDIBLY FAST* ...

...GO INCREDIBLY FAST...

...this requires significant advances in *power* and *propulsion* systems.

FISSION

NEP



POWER: 2-50 MW
1-25 LOCOMOTIVES

- ENABLES HUMAN EXPLORATION OF OUTER SOLAR SYSTEM
- ENABLES INTERSTELLAR PRECURSORS ~1000 AU



PHYSICS

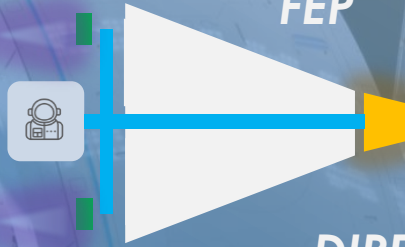


ENGINEERING



FUSION

FEP



POWER: 50-500 MW
25-250 LOCOMOTIVES

- ENABLES FASTER HUMAN EXPLORATION OF OUTER SOLAR SYSTEM
- ENABLES SLOW INTERSTELLAR



PHYSICS



ENGINEERING

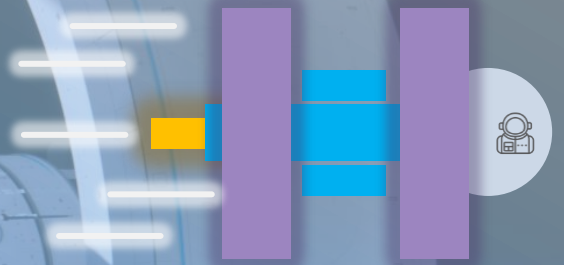


DIRECT FUSION



BREAKTHROUGH

SPACEDRIVES
WORMHOLES
SPACE WARPS



POWER: >500 MW
>250 LOCOMOTIVES

- ENABLES FAST INTERSTELLAR



PHYSICS



ENGINEERING



LIMITLESS
SPACE INSTITUTE

Programs

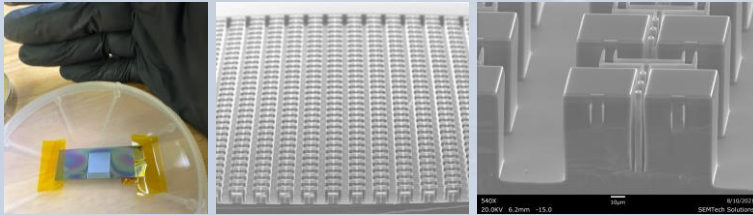
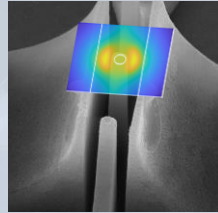
R&D for Interstellar Travel



INTERNAL R&D

Eagleworks

DARPA DSO QUEST \$1M grant to pursue R&D of dynamic vacuum model with power and propulsion applications



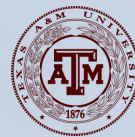
6000 cavity test article

University Partnerships

Partner with universities to jointly pursue mutual areas of interest from leading edge of power & propulsion related physics to enable human exploration of the stars.



COLLABORATIVE R&D



LSI partnering with TAMU Nuclear Department to develop 1-10 MWe reactor for earth use, and adaptable for space use

Student Programs

Interns, graduate students, post-docs
Summer courses (seminar to graduate course)

2021 Summer Class:
Interstellar Studies:
The Human Exploration of the Far Solar System and on to the Stars

Week-long class for STEM students
July 26-30, 2021

Eventbrite registration available at:
<https://www.eventbrite.com/e/interstellar-studies-summer-course-tickets-153690569631?aff=ebdsoporgprofile>

I4IS commissioned to develop class material and teach inaugural class

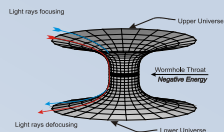


Interstellar Initiatives Grants

LSI initiated I2G to support external R&D of advanced power and propulsion concepts

Funded Topics:

- Beamed Energy Propulsion
- Relativistic Solar Sails
- Fusion Propulsion
- Spacedrives
- Wormholes



EXTERNAL R&D

I2G Partners



Education Outreach

Externally inspire and educate next generation on interstellar R&D through speaking engagements

"Infinite possibilities come to those who believe"



Massachusetts
Institute of
Technology



energy

UCDAVIS
UNIVERSITY OF CALIFORNIA



HELICITY SPACE



Caltech



LIMITLESS
SPACE INSTITUTE



UnLAB

Unlimited Abundance



AXIOM
SPACE



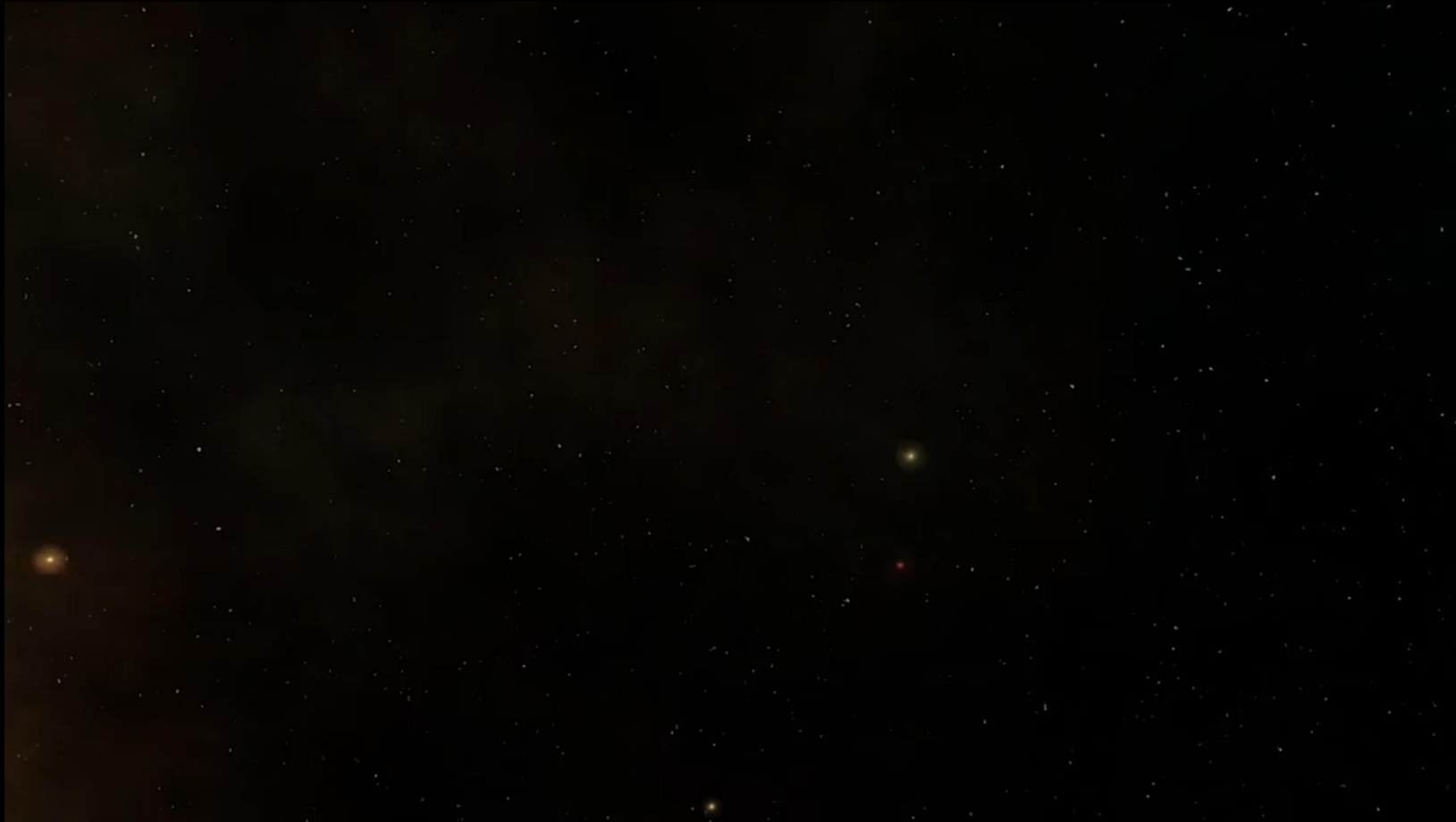
INTUITIVE
MACHINES



LAH
THE UNIVERSITY OF
ALABAMA IN HUNTSVILLE



IZENTIS LLC



Godspeed!



GODSPEED!

