



Imagine, Explore, Inspire



## “Imagine the Possibilities”

Imagine a place where kids can explore the mysteries of the universe.

Where college students are able to navigate new worlds of opportunities in science, technology, engineering, art and math.

Where families and friends encounter galaxies millions of light years away.


Imagine a world-class space to discover infinite possibilities.

The Planetarium at Orange Coast College.

# Imagine, Explore, Inspire



## “Houston We have a problem..... OCC has the Solution”


 According to the Department of Education, the U.S. has fallen behind other countries in science, technology, engineering and mathematics (STEM), creating an urgent need for interactive science education at all levels.

As a leader in science education for six decades, OCC's commitment to STEM has been strengthened with the completion of the College's \$60 million Allied Health, Biology and Consumer Science complex. This investment ensures that OCC remains a leader in launching the dreams of future scientists who transfer to four-year colleges and universities throughout the world.

“We shall all, philosophers, scientists and just ordinary people, be able to take part in the discussion of why we and the universe exist.”


— Stephen Hawking

## The OCC Planetarium takes Flight

 Orange Coast College has identified the need for a new planetarium to serve as a vital science center and an extension of the College's commitment to STEM curriculum. By engaging both K-12 students and college students, this one-of-a-kind venue will provide innovative learning experiences that engage, inspire, and illuminate students of all ages.

# Imagine, Explore, Inspire

## Space Travelers Start Here

tudents in Orange County school districts who experience the Planetarium will be given the chance to experience core STEM concepts through exhibits that are engaging and fun. College courses will be offered to students by OCC faculty, and members of the community will have the opportunity to attend shows, lectures and exhibits throughout the year.

The Planetarium will have unique features to serve all of its travelers:

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State-of-the-art theatre and presentation room

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Foucault Pendulum exhibit

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Interactive science exhibit hall

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Science-on-a-Sphere NOAA display globe

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The latest technology and telescopes for optimum learning

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Theatre-style seating for 125

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Administrative offices

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Ticket office



# Imagine, Explore, Inspire

## Foucault Pendulum

Named for French physicist Leon Foucault, this device serves as a visual demonstration of the rotation of the earth. Designs vary, but the concept is deceptively simple: a pendulum, powered by an electromagnet, swings from a steel cable, knocking down a row of pegs below it. Although the direction of the pendulum appears to be changing, it is in fact the floor beneath the pendulum that moves.

With only a handful of Foucault Pendulums located in the state, OCC's pendulum exhibit will be the first of its kind in Orange County, giving local students and the surrounding community a chance to experience firsthand one of the greatest scientific breakthroughs in modern history.

## Science on a Sphere

Researchers at the National Oceanic and Atmospheric Administration (NOAA) developed Science on a Sphere as an educational tool to help people of all ages visualize the earth. Using computers and video projectors, animated images of atmospheric storms, climate change and ocean temperature can be shown on this giant globe, making complex environmental processes an interactive and captivating experience.

OCC's Science on a Sphere will reside in the Planetarium's lobby/exhibit hall, giving visitors an astronaut's-eye-view of the earth as it changes minute to minute.

## OCC Astronomy Village / Telescope Farm

Base 11, an organization dedicated to propelling community college students in STEM careers by investing in new and disruptive innovation, has provided a grant of \$1 million to enhance the area adjacent to the Planetarium. The grant will fund a telescope farm featuring solar and celestial telescopes that can be used by students and visitors to the Planetarium. Additionally, the grant will fund a study and meeting place for OCC astronomy students and visiting scientists.





## Flight Plan

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The Planetarium at Orange Coast College

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Groundbreaking: Summer 2016

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Estimated Completion: Summer 2018

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Estimated Cost: \$ 20 million

The Planetarium will be located on the Orange Coast College campus, adjacent to the Charles H. Lewis Center and the Allied Health, Biology and Consumer Health Complex, and positioned in the center of OCC's Science Quad.

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## Giving Opportunities

**T**he opportunity to name significant areas and features of the Orange Coast College Planetarium is available to Leadership Donors

The following distinguishing donor recognition opportunities are for leadership donors:

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**Planetarium Naming – \$5 million** – Donor's name will become a featured part of the exterior signage for the building, will be included in all future communications, programs and materials related to the planetarium.

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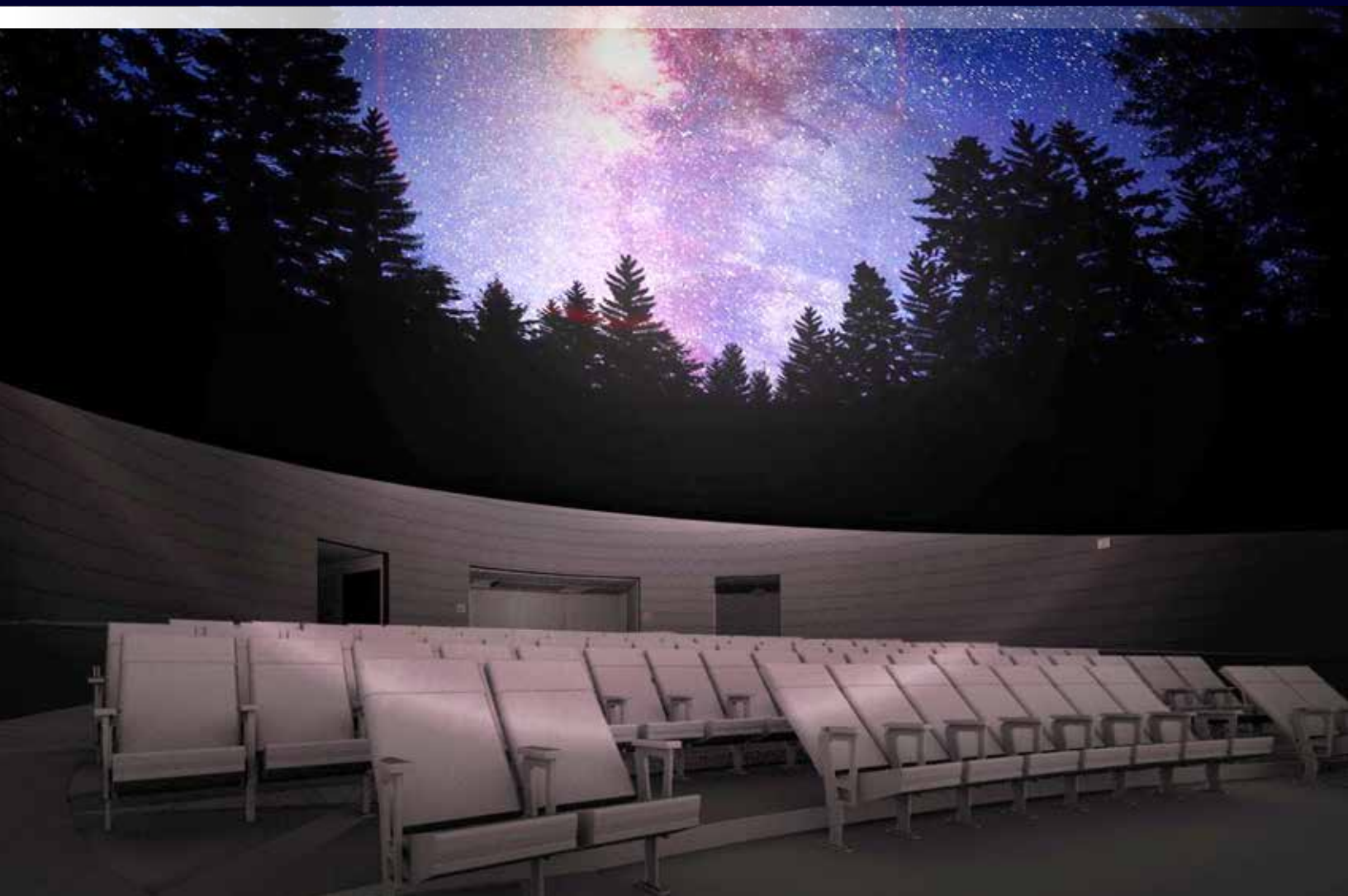
**129-seat Presentation/Lecture Hall \$2 million**

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**Lobby/Exhibit Hall \$750,000**

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**Entry Courtyard \$500,000**







## Leadership Donors

As of September 1, 2017 more than \$2.6 million in private support has been received and pledged to support the Planetarium and the Astronomy Village/Telescope Farm. Leadership donors to the project include:

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### **Foucault Pendulum – \$1 million**

Mary McChesney & Lyn Bonin

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### **Science on a Sphere NOAA display globe – \$250,000**

Rallis Family Foundation

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### **OCC Astronomy Village Telescope Farm – \$1 million**

Base 11

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### **Ticket Booth – \$100,000**

Jerrell Richards, Ph.D.

Gifts of \$1,000 or more will be acknowledged by a unique donor recognition display in the lobby/exhibit hall of the Orange Coast College Planetarium. Gifts to date in these categories are as follows:

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#### **Galactic – \$50,000 or above**

David & Barbara Cline  
Marisla Foundation

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#### **Astral – \$25,000-\$49,999**

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#### **Stellar – \$10,000- \$24,999**

Blair Carty  
Marilyn Flint Murphy  
West Family Foundation

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#### **Meteoric – \$5,000-\$9,999**

David A. Grant  
Jane Hilgendorf  
Judith & Willis Longyear  
A. Patrick Munoz  
Linda I. Smith Foundation  
Doug & Mailei Bennett

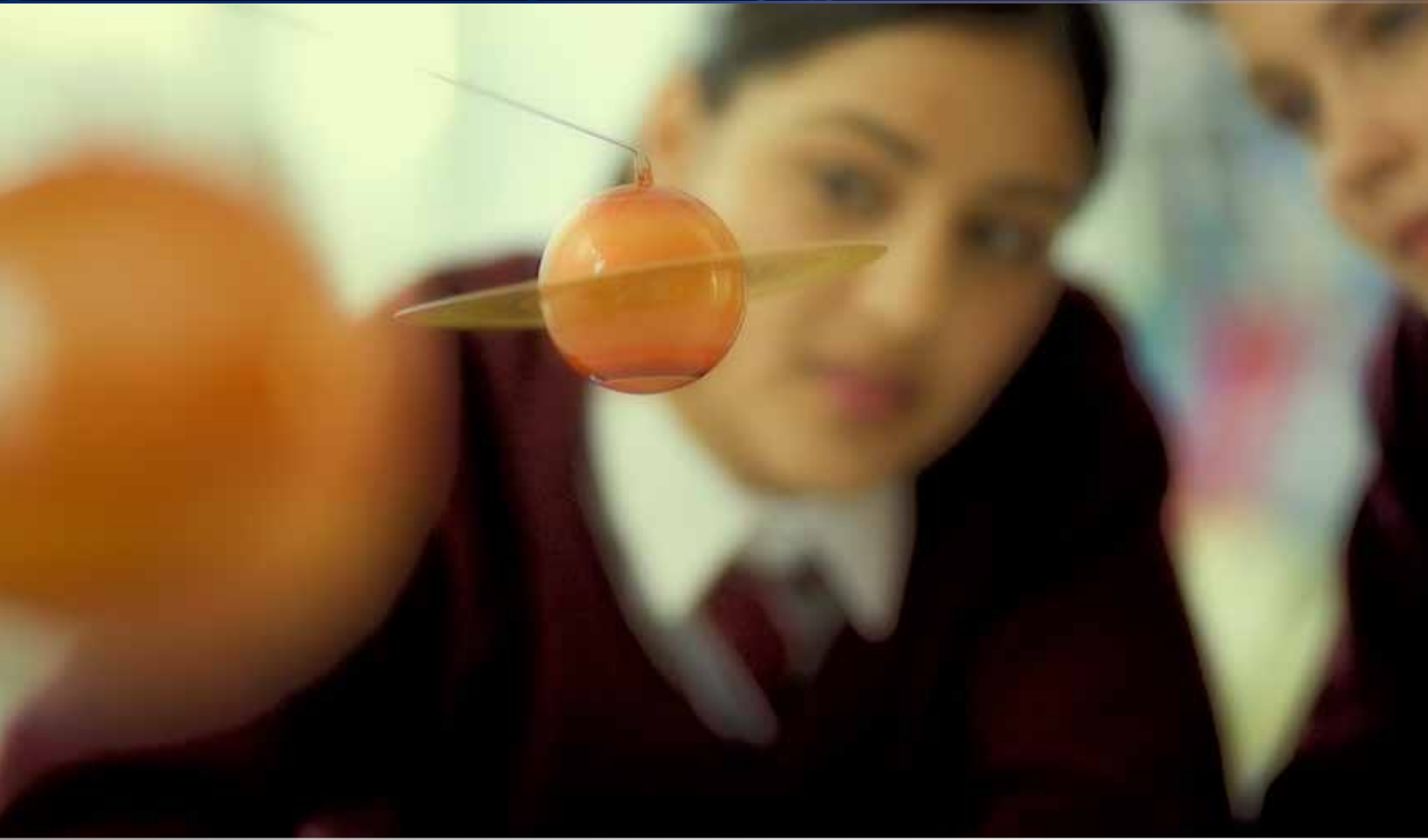
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#### **Solar – \$1,000-\$4,999**

Cheryl Baker  
Doug Benoit  
Barbara Cooper  
Fluor Foundation  
In Memory of Cherry Gundry – Anne Gundry  
Dennis Harkins, Ph.D.  
Val Hayward  
George & Cathleen Hill  
Marshall & Dolores Johnson  
Rich Pagel, Ed.D.  
Liz & Steve Parker  
Phi Delta Kappa  
Lorraine Prinsky, Ph.D.  
Julie Simer  
Marilyn Sion  
Steve Tamanaha  
Carolyn Thomas  
UCMI, Inc.  
John Weispfenning, Ph.D.  
Albert Wong



# Imagine, Explore, Inspire



## Orange Coast College Foundation Overview



The Orange Coast College Foundation is a non-profit 501(C)3 corporation incorporated in California.

Governed by a 25-member board of directors, the Foundation has designated the Planetarium at Orange Coast College as its priority project for 2009-2018.

The Planetarium is an extension of other projects created and supported by the Orange Coast College Foundation and its donors, including the School of Sailing & Seamanship, the Frank M. Doyle Art Pavilion and College for Kids. Since 1985, the OCC Foundation has raised more than \$60 million to support programs and activities at the College. In 2015-2016, the Foundation received donations valued at more than \$7 million. Currently, the Foundation holds assets valued at more than \$25 million.


Previous major campaigns include the Capital Campaigns for the Frank M. Doyle Art Pavilion, the Harry & Grace Steele Children's Center, and the renovation of the Robert B. Moore Performing Arts Theatre.



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## OCC and Science... A Dynamic Combination!

 Located in the heart of Costa Mesa, Orange Coast College plays an active and enduring role in Orange County's science literacy efforts. In fact, throughout its 60-year history, Orange Coast College has remained a community leader in science education.

Known widely as Orange County's community college of choice, OCC has transferred more than 100,000 of the region's best and brightest to the University of California and California State University systems, as well as to private colleges and universities of distinction across the nation.

OCC students are among the doctors, scientists, health care professionals, teachers, and engineers that make California a world leader.

The community continued to invest in OCC's commitment to STEM by passing the Measure M property tax measure in 2012.

\$20 million from the 2012 voter approved Measure M will be dedicated to fund the capital costs of the Planetarium. The members of the Orange Coast College Foundation Board of Directors have given generously to initiate a private fundraising campaign to fund the Planetarium's Endowment. We are now seeking support from the Orange County community so future generations can enjoy the programs and exhibits the Planetarium at Coast will offer.

Help students launch their dreams and explore new worlds of opportunities in science, technology, mathematics, and technology.

Let's give our students and the residents of Orange County and beyond, space to discover.

# Imagine, Explore, Inspire

## Leadership

### OCC Planetarium Capital Campaign Committee

David A. Grant, Chair  
President Emeritus, Orange Coast College

Mary Lynn Bergman-Rallis

David J. Cline

Nick Contopoulos, Professor, Astronomy  
Orange Coast College

Tara Giblin, Dean of Mathematics and Science  
Orange Coast College

Dennis Harkins, Ph.D., President  
Orange Coast College

Rush N. Hill, II

A. Patrick Munoz

Liz Parker, Retired Trustee  
Orange County Board of Education

Lorraine Prinsky, Ph.D., Trustee  
Coast Community College District

Erin Samuelli

Scott Mitchell, Director,  
Orange Coast College Planetarium

Douglas C. Bennett, Executive Director



### Coast Community College District Board of Trustees

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Jim Moreno

John Weispfenning, Ph.D., Chancellor

Jerry Patterson

Lorraine Prinsky, Ph.D.

Student Trustee

### OCC Foundation Board of Directors

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Vice President  
Orange Coast College

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Retired Faculty  
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Orange Coast College

Gwyn P. Parry, M.D.

Juan Partida, President  
Associated Students of  
Orange Coast College

Richard Porras

Jerrel T. Richards, Ph.D.,

Derek Sabori

Julie Simer

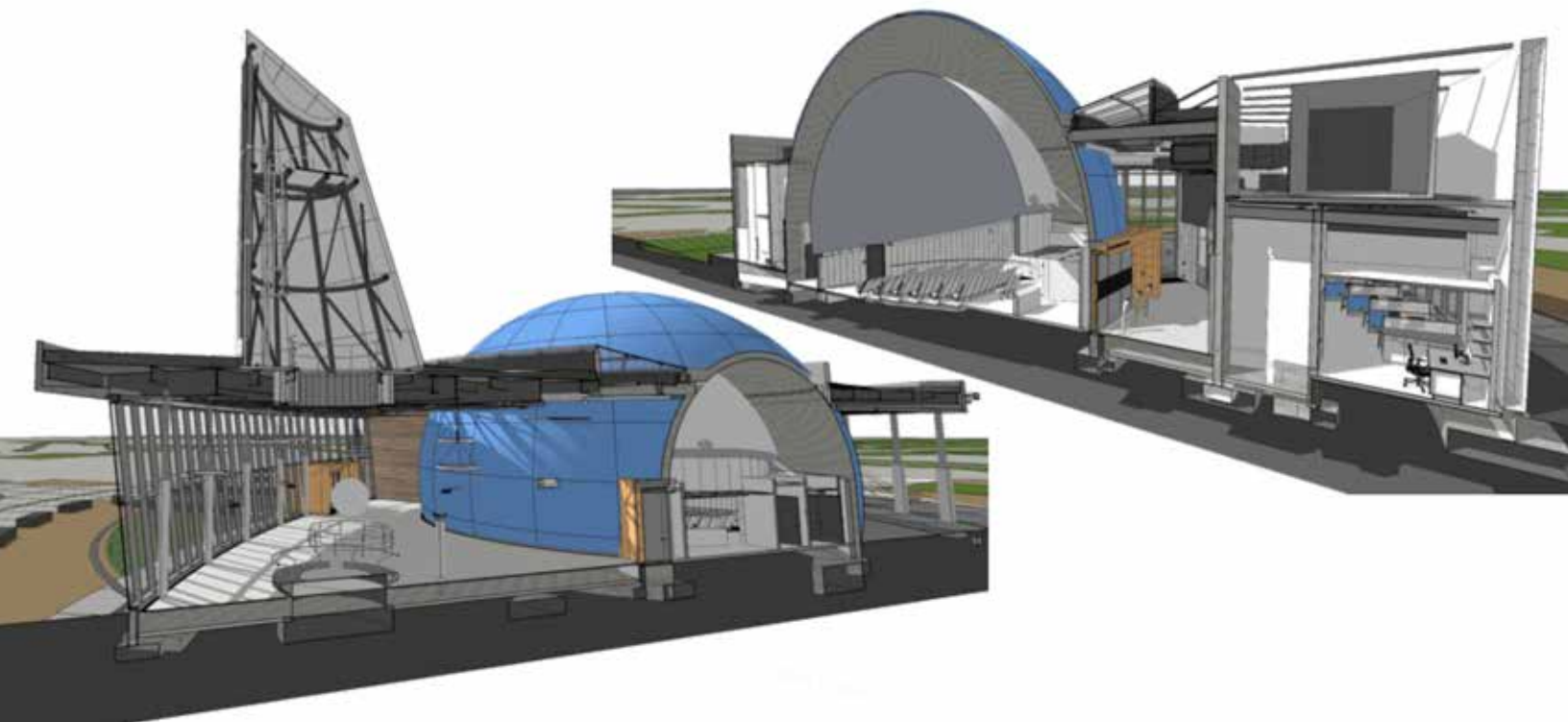
Janet Terrell-Ronnenberg,  
Past Chair


Jeff Teller

Nancy Timmons

Bill Wood

**Architects** HPI, Newport Beach



A deep blue night sky filled with numerous stars of varying brightness. Several prominent stars are highlighted with a soft, circular blue glow. Faint, light blue lines connect some of these stars, forming the outlines of constellations. The overall effect is a serene and vast cosmic scene.

“Astronomy compels the soul to look upwards  
and leads up from this world to another.”

— Plato



## Orange Coast College Foundation

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