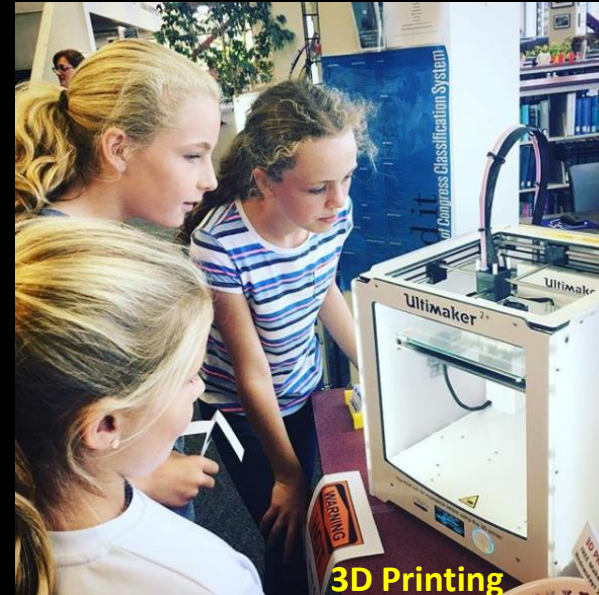




## Family Science and Astronomy Festival + CSM Library Makerspace 2017



September 30, 2017  
Sponsored by the CSM Math | Science Division  
and CSM Library Makerspace

Stay informed about future science, astronomy, makerspace, and many other CSM events by visiting [collegeofsanmateo.edu/events](http://collegeofsanmateo.edu/events).

**Restrooms are available in:**

Library Building 9  
Theatre Building 3  
Science Building 36

**Program Coordinators**

Mohsen Janatpour, CSM Math/Science Division  
janatpour@smccd.edu • (650) 574-6272

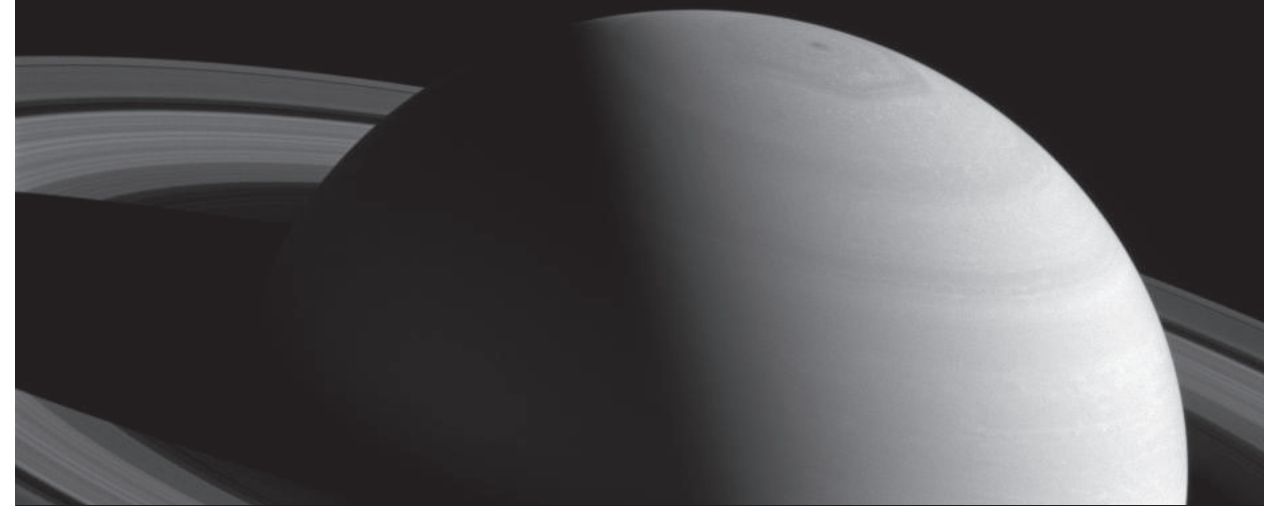
Elnora Kelly Tayag, CSM Library  
tayage@smccd.edu • (650) 574-6569

**Family Science & Astronomy Festival + Makerspace is sponsored by:**

CSM Math/Science Division



# Family Science & Astronomy Festival + Makerspace



Saturday, September 30, 2017 • 2–11 pm (workshops 2–6 pm)



College of San Mateo

# Family Science & Astronomy Festival + Makerspace Program

EVENT	PRESENTED BY	TIME	LOCATION
Planetarium Show	● Darryl Stanford	2 pm	Planetarium
When Anatomy Students Make Cookies	● Carlene Tonini-Boutacoff Lakshmikanta Sengupta Michele Titus	2 pm	36-217
A Bone to Pick			
Sun and Moon	● SMCAS	2-3:30 pm*	36-Outdoors
Secrets of the Living World	● Kathy Diamond Ellen Young Rachel Cunningham	2-5:30 pm	36-200
Color Awesome!	● John Dao, STEM Club	2-5:30 pm*	36-223
Tooth Sleuth	● Linda Hand	2-6 pm*	36 Sandbox
Dinosaur Name Matching Contest	● Linda Hand	2-6 pm*	36-First Floor Lobby
Physics for Everyone!	● David Locke, John Atkins	2-6 pm*	36-114
Coloring Station	● CSM Library Makerspace	2-6 pm*	CSM Library
Cyanotype: The Art of Sun Printing	● CSM Library Makerspace	2-6 pm*	CSM Library
Make Stitch Art Cards	● Cassandra King (CSM Library)	2-6 pm*	CSM Library
Yarn Arts: God's Eye, Looms, Needles	● Cassandra King (CSM Library)	2-6 pm*	CSM Library
Robotics: Programmable Pumpkin Lights	● CSM Robotics Club	2-6 pm*	CSM Library
Build and Create with Legos (ages 3+)	● CSM Library Makerspace	2-6 pm*	CSM Library
Build and Create with Keva Planks (ages 6+)	● CSM Library Makerspace	2-6 pm*	CSM Library
Make Paper Helicopters (ages 6+)	● CSM Library Makerspace	2-6 pm*	CSM Library
3-D Printing Demonstration	● Kalina Tabatt (CSM Library)	2-6 pm*	CSM Library
Make Your Own Buttons (While supplies last. Recommended for ages 8+)	● Bryan Gerbig (CSM Library)	2-6 pm*	CSM Library
Face Painting & Make Up Station (ages 3+)	● Cosmetology Dept. Students	2-6 pm*	CSM Library
Cosmos Video	● SMCAS	2-6 pm*	36-125
SMCAS Information/membership table	● San Mateo County Astronomical Society (SMCAS)	2-6 pm*	36-first floor lobby
Comet Chef (making comets)	● SMCAS	2-6 pm*	Planetarium Patio
The Sun-Solar Observing	● SMCAS	2-6 pm*	Bridge
Construct Planispheres	● SMCAS	2-6 pm*	36-112
Learn About the Nature of the Universe!	● KIPAC astrophysicists will answer questions about near-space to the edges of the known Universe and beyond.	2-6 pm*	36-109

● Astronomy Event ● Science Event ● Makerspace Event \*Asterisk by event time signifies a drop-in event

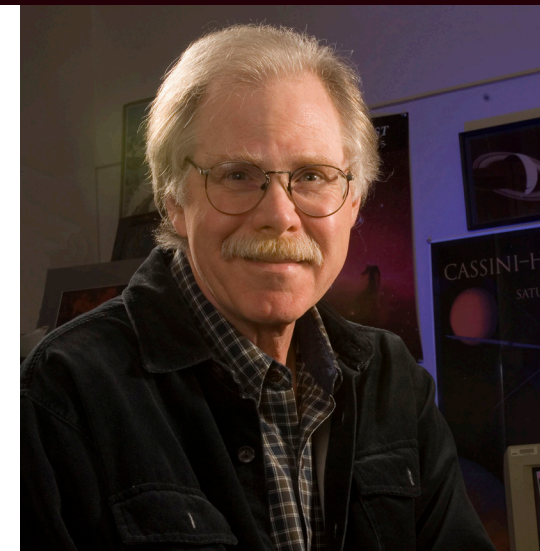
# Family Science & Astronomy Festival + Makerspace Program

EVENT	PRESENTED BY	TIME	LOCATION
Planetarium Show	● Darryl Stanford	3 pm	Planetarium
When Anatomy Students Make Cookies	● Carlene Tonini-Boutacoff Lakshmikanta Sengupta Michele Titus	3 pm	36-217
A Bone to Pick			
Planetarium Show	● Darryl Stanford	4 pm	Planetarium
When Anatomy Students Make Cookies	● Carlene Tonini-Boutacoff Lakshmikanta Sengupta Michele Titus	4 pm	36-217
A Bone to Pick			
How a Telescope Works	● SMCAS	4-6 pm*	36-first floor lobby
Planetarium Show	● Darryl Stanford	5 pm	Planetarium
When Anatomy Students Make Cookies	● Carlene Tonini-Boutacoff Lakshmikanta Sengupta Michele Titus	5 pm	36-217
A Bone to Pick			
Planetarium Show	● Darryl Stanford	6 pm	Planetarium
<b>Lecture</b>			
Keynote Speaker + Reception: Dr. Jeffrey N. Cuzzi (see below)	● Math Science Division	7:30-9 pm	CSM Theatre
<b>Star Gazing</b>			
CSM Observatory - Jazz Under the Stars (weather permitting)	● Justin Stevick & Darryl Stanford	9:15-11 pm	CSM Observatory

## Cassini: Thirteen Years at Saturn Dr. Jeffrey N. Cuzzi • 7:30 pm • CSM Theatre

The NASA-ESA Cassini-Huygens mission to the Saturn system has just completed its spectacularly successful thirteen-year data-taking phase, with the orbiter plunging into the planet's atmosphere on September 15. This talk will review the scope and results of the Cassini orbiter mission. Emphasis will be on studies of Saturn's Rings, but there will be some discussion of results on the moons and the planet itself.

Dr. Jeffrey N. Cuzzi is the Interdisciplinary Scientist for Rings and Dust on the Cassini Mission. He has studied Saturn's Rings for over 40 years, and was invited to join the Voyager Imaging team to lead the design and analysis of Voyager image of the rings of Saturn, Uranus, and Neptune.



Front cover Saturn image and Cassini rendering courtesy of NASA.