

BIANCHI PLANETARIUM LECTURES PRESENTED IN 2019

Date of the lecture: **Apr-26-2019**
Title of the lecture: **Looking for Little Green Men: A History of the Search for Extraterrestrial Life.**
Speaker: **Mr. Matt Ventimiglia, CSUN**

Date of the lecture: **Apr-12-2019**
Title of the lecture: **Protoplanetary Disks - Nursery of Exoplanets.**
Speaker: **Ms. Dallar Babaian, CSUN**

Date of the lecture: **Mar-01-2019**
Title of the lecture: **The Search for Life in the Universe.**
Speaker: **Dr. Jean-Luc Margot, UCLA**

BIANCHI PLANETARIUM LECTURES PRESENTED IN 2018

Date of the lecture: Nov-16-2018
Title of the lecture: GEORGE ELLERY HALLE: Astronomer Extraordinaire.
Speaker: Ms. Angie Cookson, CSUN - SFO

Date of the lecture: Nov-02-2018
Title of the lecture: Back to the Future.
Speaker: Mr. Matt Ventimiglia, CSUN

Date of the lecture: Oct-18-2018
Title of the lecture: 41 Years in Space: Voyager's Remarkable Journey Continues.
Speaker: Dr. Alan Cummings, JPL

Date of the lecture: Sep-21-2018
Title of the lecture: Newton to Hale: The Rise of the Reflecting Telescope.
Speaker: Mr. Robert Anderson, Mt. Wilson Institute

Date of the lecture: Apr-13-2018
Title of the lecture: Hidden Light: How Scientists Use Coronagraphs to Study the Sun.
Speaker: Dr. Christina Cohen, Cal Tech

Date of the lecture: Mar-15-2018
Title of the lecture: The Great American Solar Eclipse of 2017.
Speaker: Mr. Matt Ventimiglia, CSUN

BIANCHI PLANETARIUM LECTURES PRESENTED IN 2017

Date of the lecture: **Nov-02-2017**
Title of the lecture: **Astrobiology and the Search for Alien Life.**
Speaker: **Dr. Michael J. Malaska, JPL**

Date of the lecture: **Oct-20-2017**
Title of the lecture: **Happy 100th Birthday Mt. Wilson 100 inch Telescope**
Speaker: **Ms. Angie Cookson, CSUN - SFO**

Date of the lecture: **Oct-06-2017**
Title of the lecture: **Meteorites and Asteroids.**
Speaker: **Dr. Alan Rubin, UCLA Institute of Geophysics and Planetary Physics**

Date of the lecture: **May-05-2017**
Title of the lecture: **Total Solar Eclipses - March 2016 and August 2017**
Speaker: **Mr. Matt Ventimiglia, CSUN**

Date of the lecture: **Apr-21-2017**
Title of the lecture: **Fire and Ice..., and Methane: Exploring Mars and Titan**
Speaker: **Dr. Morgan Cable, JPL**

Date of the lecture: **Apr-07-2017**
Title of the lecture: **The James Webb Space Telescope: Successor to Hubble.**
Speaker: **Dr. James Ressler, JPL**

BIANCHI PLANETARIUM LECTURES PRESENTED IN 2016

Date of the lecture: **Nov-18-2016**
Title of the lecture: **The Juno Mission.**
Speaker: **Dr. Glenn Orton, JPL,**

Date of the lecture: **Nov-04-2016**
Title of the lecture: **Observing Infrared Light from Ground, Space and the Air. How Infrared Astronomy Has Opened Our Eyes.**
Speaker: **Dr. William Latter, SOFIA Mission Operations**

Date of the lecture: **Oct-21-2016**
Title of the lecture: **Total Solar eclipse at Ultima Thule.**
Speaker: **Mr. Matt Ventimiglia, CSUN**

Date of the lecture: **Apr-15-2016**
Title of the lecture: **CSUN Solar Observatory.**
Speaker: **Ms. Angela Cookson, CSUN SFO**

Date of the lecture: **Apr-01-2016**
Title of the lecture: **Comets: The Big Picture.**
Speaker: **Dr. David Jewitt, UCLA**

Date of the lecture: **Feb-192016**
Title of the lecture: **Total Solar Eclipse of August-21-2017.**
Speaker: **Mr. Matt Ventimiglia, CSUN**

BIANCHI PLANETARIUM LECTURES PRESENTED IN 2015

Date of the lecture: **Nov-20-2015**

Title of the lecture: **We are at Pluto - The New Horizons Mission.**

Speaker: **Dr. Bonnie J. Burrati, JPL,**

Date of the lecture: **Oct-15-2015**

Title of the lecture: **To Boldly Go..., Well You Know: NASA's Dawn Mission to the Asteroid Belt.**

Speaker: **Dr. Marc Rayman, JPL**

Date of the lecture: **Sep-18-2014**

Title of the lecture: **An Introduction to Eclipse Science and Travel.**

Speaker: **Mr. Matt Ventimiglia, CSUN**

Date of the lecture: **Apr-02-2015**

Title of the lecture: **Lord of the Rings: Cassini Mission to Saturn and its Moons.**

Speaker: **Dr. Rosaly Lopes, JPL**

Date of the lecture: **Feb-26-2015**

Title of the lecture: **We are Almost at Pluto - the New Horizons Mission.**

Speaker: **Dr. Bonnie Buratti, JPL**

Date of the lecture: **Feb-13-2015**

Title of the lecture: **To Boldly Go: A Hollywood History of Space Travel.**

Speaker: **Mr. Matt Ventimiglia, CSUN**

Date of the lecture: **Jan-30-2015**

Title of the lecture: **Comet-Chaser ROSETTA and its Wild Bounce at Comet Churyumov-Gerasimenko.**

Speaker: **Dr. Claudia Alexander, JPL**

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BIANCHI PLANETARIUM LECTURES PRESENTED IN 2014

Date of the lecture: **Nov-21-2014**
Title of the lecture: **The Orbiting Carbon Observatory-2.**
Speaker: **Dr. David Crips, Cal Tech**

Date of the lecture: **Nov-07-2014**
Title of the lecture: **MAVEN - The Latest Mission to Mars.**
Speaker: **Dr. Richard Zurek, JPL**

Date of the lecture: **Oct-17-2014**
Title of the lecture: **NASA's Dawn Mission, Asteroid Retrieval, and the Future of Solar Electric Propulsion.**
Speaker: **Dr. John Brophy, JPL**

Date of the lecture: **Sep-05-2014**
Title of the lecture: **Voyager: History's Greatest Explorers.**
Speaker: **Dr. Suzanne Dodd, JPL**

Date of the lecture: **May-02-2014**
Title of the lecture: **From IRAS to Spitzer and beyond: 30 years of Space Infrared Astronomy**
Speaker: **Dr. Luisa Rebull, Cal Tech**

Date of the lecture: **Mar-28-2014**
Title of the lecture: **An Introduction to Eclipse Science and Travel**
Speaker: **Mr. Matt Ventimiglia, CSUN**

Date of the lecture: **Mar-14-2014**
Title of the lecture: **The Mystery of Dusty Extrasolar Planetary Systems.**
Speaker: **Dr. Farisa Morales, JPL and CSUN**

BIANCHI PLANETARIUM LECTURES PRESENTED IN 2013

Date of the lecture: Nov-22-2013
Title of the lecture: **Mt. Wilson Observatory - History and Importance.**
Speaker: **Ms. Angie Cookson, CSUN**

Date of the lecture: Nov-08-2013
Title of the lecture: **Radar Imaging of Near-Earth Asteroids.**
Speaker: **Dr. Lance Benner, JPL**

Date of the lecture: Oct-25-2013
Title of the lecture: **An Update on Curiosity Rover on Mars.**
Speaker: **Dr. Jennifer Trosper, JPL**

Date of the lecture: Sep-20-2013
Title of the lecture: **Search for Meteorites on Union Glacier in Antarctica.**
Speaker: **Mr. Matt Ventimiglia, CSUN**

Date of the lecture: May-03-2013
Title of the lecture: **Core Formation in Terrestrial Planets from Study of Laboratory Fluid Experiments**
Speaker: **Dr. Dayanthie Weeraratne, CSUN**

Date of the lecture: Mar-15-2013
Title of the lecture: **The Grand Tour: Exploring the Diversity of Extrasolar Planets.**
Speaker: **Dr. Heather Knutsen, Cal Tech**

Date of the lecture: Mar-01-2013
Title of the lecture: **VOYAGER - 35 and Half Years and Still Going.**
Speaker: **Ms. Trina Ray, JPL**

Date of the lecture: Feb-15-2013
Title of the lecture: **ENDEAVOR (OV-105).**
Speaker: **Mr. Matt Ventimiglia, CSUN**

BIANCHI PLANETARIUM LECTURES PRESENTED IN 2012

Date of the lecture: **Nov-16-2012**
Title of the lecture: **The Inside of Moons and Asteroids from Measuring Gravity.**
Speaker: **Mr. Sami Asmar, JPL**

Date of the lecture: **Nov-02-2012**
Title of the lecture: **Solar Science at CSUN's San Fernando Observatory.**
Speaker: **Ms. Angie Cookson CSUN**

Date of the lecture: **Oct-05-2012**
Title of the lecture: **Curiosity: Mars Next Rover.**
Speaker: **Mr. Matt Wallace, JPL**

Date of the lecture: **May-10-2012**
Title of the lecture: **Venus in Transit.**
Speaker: **Mr. Matt Ventimiglia, CSUN**

Date of the lecture: **Apr-27-2012**
Title of the lecture: **Chasing Shadows: The Kepler Mission and the Impending Revolution
How We View Our Earth.**
Speaker: **Dr. David Ciardi, Cal Tech**

Date of the lecture: **Mar-16-2012**
Title of the lecture: **Sky Lore: The Unification of Cultures.**
Speaker: **Mr. Jeremy Amaran, Director, Sage Planetarium, Palmdale**

Date of the lecture: **Mar-02-2012**
Title of the lecture: **NASA's 2012 Curiosity Rover: The Next Mission to Mars.**
Speaker: **Dr. Ashwin Vasavada, JPL**

BIANCHI PLANETARIUM LECTURES PRESENTED IN 2011

Date of the lecture: Dec-02-2011
Title of the lecture: Global Upheaval in the Atmospheres of Jupiter and Saturn.
Speaker: Dr. Glenn Orton, JPL

Date of the lecture: Nov-17-2011
Title of the lecture: To Boldly Go, Well You Know - NASA's Dawn Mission to Asteroids.
Speaker: Dr. Marc Rayman, JPL

Date of the lecture: Nov-04-2011
Title of the lecture: Climate Challenge Impact on Civilization: Lesson from Space
Data and Archaeology
Speaker: Dr. Ron Blom, JPL

Date of the lecture: Sep-23-2011
Title of the lecture: How We Got to Saturn, and What Cassini Is Finding.
Speaker: Mr. Dave Doody, JPL

Date of the lecture: May-12-2011
Title of the lecture: The JUNO Mission to Jupiter.
Speaker: Mr. Steven Matousek, JPL

Date of the lecture: Apr-14-2011
Title of the lecture: Deep Impact and Stardust: How NASA Re-Used Two Veteran
Spacecraft for New Comet Exploration.
Speaker: Dr. Tim Larson, JPL

Date of the lecture: Mar-18-2010
Title of the lecture: Total Solar Eclipse at the Navel of the World.
Speaker: Mr. Matt Ventimiglia, CSUN

Date of the lecture: Feb-18-2011
Title of the lecture: Extrasolar Planets.
Speaker: Mr. John Hodgson, CSUN

BIANCHI PLANETARIUM LECTURES PRESENTED IN 2010

Date of the lecture: **Nov-19-2010**
Title of the lecture: **Robotic Solar System Exploration: Progress and Challenges.**
Speaker: **Mr. Larry Mathies, JPL**

Date of the lecture: **Oct-22-2010**
Title of the lecture: **Using NASA Satellites to Study the Earth's Climate.**
Speaker: **Dr. Eric Fetzer, JPL, Cal Tech**

Date of the lecture: **Oct-08-2010**
Title of the lecture: **Mapping the Infrared Sky with WISE.**
Speaker: **Dr. Peter Eisenhardt, JPL, Caltech**

Date of the lecture: **Sep-24-2010**
Title of the lecture: **100 Years of Discovery at Mt. Wilson Observatory.**
Speaker: **Mr. Mike Simmons, AWB**

Date of the lecture: **May-07-2010**
Title of the lecture: **What is New with Comets?**
Speaker: **Dr. Dennis Bodewits, GSFC**

Date of the lecture: **Apr-14-2010**
Title of the lecture: **Strolling through the Heavens - An Introduction to the Constellations of the Winter and Spring Skies.**
Speaker: **Mr. John Hodgson, CSUN**

Date of the lecture: **Mar-26-2010**
Title of the lecture: **The Hidden Oceans of Europa.**
Speaker: **Dr. Robert Pappalardo, JPL**

Date of the lecture: **Mar-12-2010**
Title of the lecture: **An Oriental Eclipse for the Century.**
Speaker: **Mr. Matt Ventimiglia, CSUN**

BIANCHI PLANETARIUM LECTURES PRESENTED IN 2009

Date of the lecture: Dec-08-2009
Title of the lecture: The Really Big Picture: Things We Know about the Universe,
and How We Know Them.
Speaker: Dr. Charles Lawrence, JPL

Date of the lecture: Nov-06-2009
Title of the lecture: Strolling through the Heavens - An Introduction to
the Constellations of the Summer and Autumn Skies.
Speaker: Mr. John Hodgson, CSUN

Date of the lecture: Oct-23-2009
Title of the lecture: Rainbows, Red Sunsets and Rocket Science Revisited.
Speaker: Dr. David J. Diner, JPL

Date of the lecture: May-08-2009
Title of the lecture: Cassini Visits Saturn's Active Moon Enceladus.
Speaker: Dr. Amanda Hendrix, JPL

Date of the lecture: Apr-24-2009
Title of the lecture: Strolling through the Heavens - An Introduction to the
Constellations of the Winter and Spring Skies.
Speaker: Mr. Andrew Vandenberg and Mr. John Hodgson, CSUN

Date of the lecture: Mar-27-2009
Title of the lecture: New Wheels on Mars - The Mars Science Laboratory Mission.
Speaker: Dr. Richard Cook, JPL

Date of the lecture: Mar-13-2009
Title of the lecture: The Search for Planets Orbiting Nearby Stars.
Speaker: Dr. Damian Christian, CSUN

BIANCHI PLANETARIUM LECTURES PRESENTED IN 2008

Date of the lecture: Oct-24-2008
Title of the lecture: Arctic Adventure: Chasing a Total Solar Eclipse in the Land of Midnight Sun.
Speaker: Mr. Matt Ventimiglia, CSUN

Date of the lecture: Oct-17-2008
Title of the lecture: Building Palomar's Big Eye.
Speaker: Dr. Scott Kardel, Cal Tech

Date of the lecture: Oct-03-2008
Title of the lecture: The Dark Side of Sunspots.
Speaker: Dr. Debi Prasad Choudhary, CSUN

Date of the lecture: Apr-25-2008
Title of the lecture: Exploring the Nature of Planets around Other Stars.
Speaker: Dr. Brad Hansen, UCLA

Date of the lecture: Mar-28-2008
Title of the lecture: Finding Planets around Other Stars.
Speaker: Dr. David Ciardi, Michelson Science Center and Cal Tech

Date of the lecture: Mar-07-2008
Title of the lecture: Predicting Climate Change: Removing the Mystery.
Speaker: Dr. Duane Waliser, Cal Tech and JPL

BIANCHI PLANETARIUM LECTURES PRESENTED IN 2007

Date of the lecture: **Nov-09-2007**
Title of the lecture: **Final Frontier: the Dream, History, and Future of Space Flight.**
Speaker: **Mr. Matt Ventimiglia, CSUN**

Date of the lecture: **Oct-12-2007**
Title of the lecture: **The Dawn Mission to the Asteroid Belt.**
Speaker: **Dr. Mark Rayman, JPL**

Date of the lecture: **Sep-28-2007**
Title of the lecture: **Voyager: 30 years in Space.**
Speaker: **Dr. Alan Cummings, Cal Tech and JPL**

Date of the lecture: **May-11-2007**
Title of the lecture: **The Last Days of the Earth.**
Speaker: **Dr. Mark Morris, UCLA**

Date of the lecture: **Apr-27-2007**
Title of the lecture: **Phoenix Mars Scout Mission and the Search for Extant Water Ice.**
Speaker: **Dr. Deborah Bass, JPL**

Date of the lecture: **Apr-13-2007**
Title of the lecture: **Water in the Saturn System.**
Speaker: **Ms. Trina Ray, JPL**

Date of the lecture: **Mar-09-2007**
Title of the lecture: **From Continental Drift to the Theory of Plate Tectonics.**
Speaker: **Dr. Elizabeth Nagy-Shadman, CSUN**

Date of the lecture: **Feb-23-2007**
Title of the lecture: **Comet Dust in Captivity: What Have We Learned From?
The Stardust Mission.**
Speaker: **Dr. Kevin McKeegan, UCLA**

Date of the lecture: **Feb-09-2007**
Title of the lecture: **The Planet Club: Why Pluto Got Kicked Out, and Why Earth
is So Special.**
Speaker: **Dr. Amanda Mainzer, JPL**

BIANCHI PLANETARIUM LECTURES PRESENTED IN 2006

Date of the lecture: **Nov-17-2006**

Title of the lecture: **Meteorites and Asteroids.**

Speaker: **Dr. Alan Rubin, UCLA**

Date of the lecture: **Nov-03-2006**

Title of the lecture: **Mysterious Titan.**

Speaker: **Ms. Trina Ray, JPL**

Date of the lecture: **Oct-06-2006**

Title of the lecture: **Astronomy in Ancient Mediterranean: Chasing the Total Eclipse of March-29-2006.**

Speaker: **Mr. Matt Ventimiglia, CSUN**

Date of the lecture: **Sep-22-2006**

Title of the lecture: **Mars: The Adventure of Exploring the Red Planet.**

Speaker: **Dr. David Senske, JPL**

Date of the lecture: **May-19-2006**

Title of the lecture: **The Magnificent Voyage of Stardust.**

Speaker: **Mr. Darren Baird, JPL and UCLA**

Date of the lecture: **May-12-2006**

Title of the lecture: **Ultraviolet Photolysis of Amino Acids in Crystalline Water Ice: Can They Survive on Europa.**

Speaker: **Drs. Grazyna Orzechowska and Jay Goguen, JPL**

Date of the lecture: **May-09-2006**

Title of the lecture: **Phoenix After MER: From the Equator to the Poles of Mars.**

Speaker: **Dr. Albert Haldemann, JPL**

Date of the lecture: **Apr-124-2006**

Title of the lecture: **Winning the Cosmic Lottery.**

Speaker: **Dr. Paul Weissman, JPL**

Date of the lecture: **Mar-24-2006**

Title of the lecture: **The Latest from NASA's Spitzer Space Telescope: From Planets to Deep Space.**

Speaker: **Dr. Varoujan Goorjian, JPL and Cal Tech**

Date of the lecture: **Mar-10-2006**

Title of the lecture: **The Worlds of the Outer Solar System.**

Speaker: **Dr. David Senske, JPL**

Date of the lecture: **Feb-17-2006**

Title of the lecture: **The Latest Results from Cassini: Enceladus.**

Speaker: **Mr. David F. Coppedge, JPL**

BIANCHI PLANETARIUM LECTURES PRESENTED IN 2005

Date of the lecture: **Dec-9-2005**
Title of the lecture: **Age and Evolution of the Earth: Three Revolutions in One Century.**
Speaker: **Dr. James Powell, USC**

Date of the lecture: **Dec-2-2005**
Title of the lecture: **Astronomy and the Chinese Calendar.**
Speaker: **Dr. Paul Lee, CSUN**

Date of the lecture: **Nov-18-2005**
Title of the lecture: **Special Relativity for Non-Scientists.**
Speaker: **Dr. Skip Newhall, JPL**

Date of the lecture: **Nov-4-2005**
Title of the lecture: **What Makes Planets Habitable?**
Speaker: **Dr. David Stevenson, Cal Tech**

Date of the lecture: **Oct-28-2005**
Title of the lecture: **The War of the Worlds: A Brief History of Martian Invasion.**
Speaker: **Mr. Matt Ventimiglia, CSUN**

Date of the lecture: **Oct-21-2005**
Title of the lecture: **High Resolution Astronomy near Downtown Los Angeles: Recent Results from the CHARA Array.**
Speaker: **Dr. David Berger, University of Michigan**

Date of the lecture: **Oct-14-2005**
Title of the lecture: **SIM - The Next Great Observatory.**
Speaker: **Mr. Stephen Edberg, JPL and Cal Tech**

Date of the lecture: **Sep-30-2005**
Title of the lecture: **Spirit and Opportunity: The Corps of Discovery for Mars.**
Speaker: **Dr. John Callas, JPL**

Date of the lecture: **Sep-23-2005**
Title of the lecture: **The Cassini/Huygens Mission to Saturn.**
Speaker: **Mr. Robert Mitchell, JPL**

Date of the lecture: **Sep-9-2005**
Title of the lecture: **Hubble Ultra Deep Field of Galaxies.**
Speaker: **Dr. Michael Corbin, ASU and STScI**

Date of the lecture: **June-24-2005**
Title of the lecture: **Science at Saturn: The Cassini/Huygens Mission to Saturn and Titan.**
Speaker: **Mr. David F. Coppedge, JPL**

BIANCHI PLANETARIUM LECTURES PRESENTED IN 2005 (cont)

Date of the lecture: **May-20-2005**
Title of the lecture: **The Solar Eclipse of April-8-2005.**
Speaker: **Mr. Matt Ventimiglia, CSUN**

Date of the lecture: **May-13-2005**
Title of the lecture: **In Search of the Cause of the End of the Dinosaur Era:
The Story of the Chixculub Impact Crater.**
Speaker: **Dr. Adriana Ocampo, JPL, Cal Tech**

Date of the lecture: **May-6-2005**
Title of the lecture: **Fact and Fiction in Cosmology.**
Speaker: **Dr. Edward (Ned) Wright, UCLA**

Date of the lecture: **April-29-2005**
Title of the lecture: **Pluto, Sedna, and the Edge of the Solar System.**
Speaker: **Dr. Michael Brown, Cal Tech**

Date of the lecture: **April-22-2005**
Title of the lecture: **Secret of Sound and Music.**
Speaker: **Dr. David Bach, CSUN**

Date of the lecture: **April-15-2005**
Title of the lecture: **Nature vs. Nurture: How Venus Went Bad.**
Speaker: **Dr. Nathan Bridges, JPL**

Date of the lecture: **April-1-2005**
Title of the lecture: **Galaxy Train Wrecks.**
Speaker: **Dr. Sarah Gallagher, UCLA**

Date of the lecture: **March-18-2005**
Title of the lecture: **Deep Impact: A Mission to Understand the Heart of a Comet.**
Speaker: **Dr. Donald Yeomans, JPL**

Date of the lecture: **March-04-2005**
Title of the lecture: **Cosmic Jets: New Building Blocks of the Universe.**
Speaker: **Dr. David Meier, JPL**

Date of the lecture: **February-25-2005**
Title of the lecture: **Cassini at Saturn, Huygens on Titan.**
Speaker: **Dr. Kevin Grazier, JPL**

Date of the lecture: **February-11-2005**
Title of the lecture: **The Moon: Our Nearest Neighbor in Space.**
Speaker: **Dr. Bonnie Buratti, JPL**

Date of the lecture: **February-04-2005**
Title of the lecture: **When the Pacific Speaks, The World Listens.**
Speaker: **Dr. William Patzert, JPL**

BIANCHI PLANETARIUM LECTURES PRESENTED IN 2005 (cont)

Date of the lecture: **January-28-2005**

Title of the lecture: **The Perils of Living in Space: An Introduction to Space Weather**

Speaker: **Dr. Mark Moldwin, UCLA**

Date of the lecture: **January-21-2005**

Title of the lecture: **Mount Wilson Observatory-Then and Now, a Centennial Celebration.**

Speaker: **Mr. Don Nicholson, Mount Wilson Observatory Association and
Institute**

BIANCHI PLANETARIUM LECTURES PRESENTED IN 2004

Date of the lecture: **December-10-2004**
Title of the lecture: **Search for the Christmas Star.**
Speaker: **Mr. John Mosley, Griffith Observatory**

Date of the lecture: **December-03-2004**
Title of the lecture: **Search for the Christmas Star.**
Speaker: **Mr. John Mosley, Griffith Observatory**

Date of the lecture: **November-19-2004**
Title of the lecture: **The Galaxy Evolution Explorer.**
Speaker: **Dr. Michael Rich, UCLA**

Date of the lecture: **November-12-2004**
Title of the lecture: **What's Shaking and How We Measure It.**
Speaker: **Dr. Kate Hutton, JPL and Cal Tech**

Date of the lecture: **October-29-2004**
Title of the lecture: **Halloween Storms on the Sun.**
Speaker: **Dr. Debi Prasad Choudhary, CSUN**

Date of the lecture: **October-15-2004**
Title of the lecture: **Planets in Alignment- Venus in Transit.**
Speaker: **Mr. Matt Ventimiglia, CSUN**

Date of the lecture: **October-08-2004**
Title of the lecture: **As the World Turns and Changes Its Mass Distribution.**
Speaker: **Dr. Jean O. Dickey, JPL**

Date of the lecture: **October-01-2004**
Title of the lecture: **Spirit and Opportunity: Summer 2004 Adventure on Mars.**
Speaker: **Dr. Albert Haldemann, JPL**

Date of the lecture: **September-10-2004**
Title of the lecture: **The Quest to Detect Gravitational Waves.**
Speaker: **Dr. Peter Shawhan, Cal Tech**

Date of the lecture: **August-20-2004**
Title of the lecture: **Keck Interferometer - Planet Hunting and Other Astrophysics Done with High Resolution Imaging.**
Speaker: **Dr. Andrew J. Booth, JPL**

Date of the lecture: **July-30-2004**
Title of the lecture: **Rings of Saturn**
Speaker: **Dr. Linda J. Spilker, JPL**

BIANCHI PLANETARIUM LECTURES PRESENTED IN 2004 (cont)

Date of the lecture: **July-23-2004**
Title of the lecture: **Ultra-High Energy Cosmic Rays: The Mystery of Nature's Most Powerful Particle Accelerators.**
Speaker: **Dr. Theresa Lynn, Cal Tech**

Date of the lecture: **June-25-2004**
Title of the lecture: **Genesis - Search for Origins.**
Speaker: **Mr. Donald Sweetnam, JPL**

Date of the lecture: **June-4-2004**
Title of the lecture: **Understanding the Dark Universe.**
Speaker: **Dr. David B. Cline, UCLA**

Date of the lecture: **May-14-2003**
Title of the lecture: **The Cassini/Huygens Mission to Saturn and Titan.**
Speaker: **Dr. Kevin Grazier, JPL**

Date of the lecture: **May-7-2004**
Title of the lecture: **From New Stars to Black Holes: The Infrared View of the Universe from NASA's Spitzer Space Telescope.**
Speaker: **Dr. Varoujan Gorjian, JPL**

Date of the lecture: **April-16-2004**
Title of the lecture: **In the Heat of the Night: Exploring the Invisible Universe.**
Speaker: **Dr. Michelle Thaller, JPL**

Date of the lecture: **April-9-2004**
Title of the lecture: **Galileo's Odyssey: The Worlds of Jupiter.**
Speaker: **Dr. Rosaly M. Lopes, JPL**

Date of the lecture: **March-26-2004**
Title of the lecture: **The Icy Moon Europa May Contain a Liquid Ocean.**
Speaker: **Dr. John Olson, UCLA**

Date of the lecture: **February-13-2004**
Title of the lecture: **Relativistic Interstellar Travel**
Speaker: **Dr. Art Huffman, UCLA**

Date of the lecture: **January-31-2004**
Title of the lecture: **The STARDUST MISSION: The Return of Cometary Samples to Earth**
Speaker: **Dr. Kevin McKeegan, UCLA**

BIANCHI PLANETARIUM SPEAKERS BEFORE 2004.

Mr. Matt Ventimiglia - Matt has traveled all over the world and observed four total solar eclipses, four annular eclipses, numerous lunar eclipses, and one transit of Venus and one transit of Mercury.

Mr. Robert Provin - Senior Information Technology Consultant and Lecturer in the Department of Geography at California State University, Northridge.

Professor Richard Rains - Professor of Physics and Astronomy at Los Angeles Mission College.

Professor Peter Collas - Professor of Physics in the Department of Physics and Astronomy at California State University, Northridge.

Professor Duane Doty - Professor of Physics in the Department of Physics and Astronomy at California State University, Northridge.

Professor Paul Lee - Professor of Physics in the Department of Physics and Astronomy at California State University, Northridge.

Professor Phil Plait - Professor of Astronomy in the Department of Physics and Astronomy at Sonoma State University, Sonoma, California.

BIANCHI PLANETARIUM LECTURES PRESENTED IN 2018

Date of the lecture: Nov-16-2018
Title of the lecture: GEORGE ELLERY HALE: Astronomer Extraordinaire.
Speaker: Ms. Angie Cookson, CSUN

Date of the lecture: Nov-02-2018
Title of the lecture: 2001: Back to the Future.
Speaker: Mr. Matt Ventimiglia, CSUN

Date of the lecture: Oct-18-2018
Title of the lecture: 41 Years in Space: Voyager's Remarkable Journey Continues.
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Date of the lecture: Mar-15-2018
Title of the lecture: The Great American Eclipse of 2017.
Speaker: Mr. Matt Ventimiglia, CSUN

BIANCHI PLANETARIUM LECTURES PRESENTED IN 2017

Date of the lecture: Nov-02-2017
Title of the lecture: Astrobiology and the Search for Alien Life.
Speaker: Dr. Michael J. Malaska, JPL

Date of the lecture: Oct-20-2017
Title of the lecture: Happy 100th Birthday Mt. Wilson 100inch Telescope.
Speaker: Ms. Angie Cookson, CSUN

Date of the lecture: Oct-06-2017
Title of the lecture: Meteorites and Asteroids.
Speaker: Dr. Alan Rubin, UCLA

Date of the lecture: May-05-2017
Title of the lecture: Total Solar Eclipses - March 2016 and August 2017.
Speaker: Mr. Matt Ventimiglia, CSUN

Date of the lecture: Apr-21-2017
Title of the lecture: Fire and Ice..., and Methane: Exploring Mars and Titan.
Speaker: Dr. Morgan Cable, JPL

Date of the lecture: Apr-07-2017
Title of the lecture: The James Webb Space Telescope: Successor to Hubble.
Speaker: Dr. James Ressler, JPL

BIANCHI PLANETARIUM LECTURES PRESENTED IN 2016

Date of the lecture: Nov-18-2016
Title of the lecture: The Juno Mission.
Speaker: Dr. Glenn Orton, JPL,

Date of the lecture: Nov-04-2016
Title of the lecture: Observing Infrared Light from Ground, Space and the Air. How Infrared Astronomy Has Opened Our Eyes.
Speaker: Dr. William Latter, SOFIA Mission Operations

Date of the lecture: Oct-21-2016
Title of the lecture: Total Solar eclipse at Ultima Thule.
Speaker: Mr. Matt Ventimiglia, CSUN

Date of the lecture: Apr-15-2016
Title of the lecture: CSUN Solar Observatory.
Speaker: Ms. Angela Cookson, CSUN SFO

Date of the lecture: Apr-01-2016
Title of the lecture: Comets: The Big Picture.
Speaker: Dr. David Jewitt, UCLA

Date of the lecture: Feb-19-2016
Title of the lecture: Total Solar Eclipse of August-21-2017.
Speaker: Mr. Matt Ventimiglia, CSUN

BIANCHI PLANETARIUM LECTURES PRESENTED IN 2015

Date of the lecture: Nov-20-2015

Title of the lecture: We are at Pluto - The New Horizons Mission.

Speaker: Dr. Bonnie J. Burrati, JPL,

Date of the lecture: Oct-15-2015

Title of the lecture: To Boldly Go..., Well You Know: NASA's Dawn Mission to the Asteroid Belt.

Speaker: Dr. Marc Rayman, JPL

Date of the lecture: Sep-18-2014

Title of the lecture: An Introduction to Eclipse Science and Travel.

Speaker: Mr. Matt Ventimiglia, CSUN

Date of the lecture: Apr-02-2015

Title of the lecture: Lord of the Rings: Cassini Mission to Saturn and its Moons.

Speaker: Dr. Rosaly Lopes, JPL

Date of the lecture: Feb-26-2015

Title of the lecture: We are Almost at Pluto - the New Horizons Mission.

Speaker: Dr. Bonnie Buratti, JPL

Date of the lecture: Feb-13-2015

Title of the lecture: To Boldly Go: A Hollywood History of Space Travel.

Speaker: Mr. Matt Ventimiglia, CSUN

Date of the lecture: Jan-30-2015

Title of the lecture: Comet-Chaser ROSETTA and its Wild Bounce at Comet Churyumov-Gerasimenko.

Speaker: Dr. Claudia Alexander, JPL

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BIANCHI PLANETARIUM LECTURES PRESENTED IN 2014

Date of the lecture: Nov-21-2014
Title of the lecture: The Orbiting Carbon Observatory-2.
Speaker: Dr. David Cripps, Cal Tech

Date of the lecture: Nov-07-2014
Title of the lecture: MAVEN - The Latest Mission to Mars.
Speaker: Dr. Richard Zurek, JPL

Date of the lecture: Oct-17-2014
Title of the lecture: NASA's Dawn Mission, Asteroid Retrieval, and the Future of Solar Electric Propulsion.
Speaker: Dr. John Brophy, JPL

Date of the lecture: Sep-05-2014
Title of the lecture: Voyager: History's Greatest Explorers.
Speaker: Dr. Suzanne Dodd, JPL

Date of the lecture: May-02-2014
Title of the lecture: From IRAS to Spitzer and beyond: 30 years of Space Infrared Astronomy
Speaker: Dr. Luisa Rebull, Cal Tech

Date of the lecture: Mar-28-2014
Title of the lecture: An Introduction to Eclipse Science and Travel
Speaker: Mr. Matt Ventimiglia, CSUN

Date of the lecture: Mar-14-2014
Title of the lecture: The Mystery of Dusty Extrasolar Planetary Systems.
Speaker: Dr. Farisa Morales, JPL and CSUN

BIANCHI PLANETARIUM LECTURES PRESENTED IN 2013

Date of the lecture: Nov-22-2013
Title of the lecture: Mt. Wilson Observatory - History and Importance.
Speaker: Ms. Angie Cookson, CSUN

Date of the lecture: Nov-08-2013
Title of the lecture: Radar Imaging of Near-Earth Asteroids.
Speaker: Dr. Lance Benner, JPL

Date of the lecture: Oct-25-2013
Title of the lecture: An Update on Curiosity Rover on Mars.
Speaker: Dr. Jennifer Trosper, JPL

Date of the lecture: Sep-20-2013
Title of the lecture: Search for Meteorites on Union Glacier in Antarctica.
Speaker: Mr. Matt Ventimiglia, CSUN

Date of the lecture: May-03-2013
Title of the lecture: Core Formation in Terrestrial Planets from Study of Laboratory Fluid Experiments
Speaker: Dr. Dayanthie Weeraratne, CSUN

Date of the lecture: Mar-15-2013
Title of the lecture: The Grand Tour: Exploring the Diversity of Extrasolar Planets.
Speaker: Dr. Heather Knutsen, Cal Tech

Date of the lecture: Mar-01-2013
Title of the lecture: VOYAGER - 35 and Half Years and Still Going.
Speaker: Ms. Trina Ray, JPL

Date of the lecture: Feb-15-2013
Title of the lecture: ENDEAVOR (OV-105).
Speaker: Mr. Matt Ventimiglia, CSUN

BIANCHI PLANETARIUM LECTURES PRESENTED IN 2012

Date of the lecture: Nov-16-2012
Title of the lecture: The Inside of Moons and Asteroids from Measuring Gravity.
Speaker: Mr. Sami Asmar, JPL

Date of the lecture: Nov-02-2012
Title of the lecture: Solar Science at CSUN's San Fernando Observatory.
Speaker: Ms. Angie Cookson CSUN

Date of the lecture: Oct-05-2012
Title of the lecture: Curiosity: Mars Next Rover.
Speaker: Mr. Matt Wallace, JPL

Date of the lecture: May-10-2012
Title of the lecture: Venus in Transit.
Speaker: Mr. Matt Ventimiglia, CSUN

Date of the lecture: Apr-27-2012
Title of the lecture: Chasing Shadows: The Kepler Mission and the Impending Revolution
How We View Our Earth.
Speaker: Dr. David Ciardi, Cal Tech

Date of the lecture: Mar-16-2012
Title of the lecture: Sky Lore: The Unification of Cultures.
Speaker: Mr. Jeremy Amaran, Director, Sage Planetarium, Palmdale

Date of the lecture: Mar-02-2012
Title of the lecture: NASA's 2012 Curiosity Rover: The Next Mission to Mars.
Speaker: Dr. Ashwin Vasavada, JPL

BIANCHI PLANETARIUM LECTURES PRESENTED IN 2011

Date of the lecture: Dec-02-2011
Title of the lecture: Global Upheaval in the Atmospheres of Jupiter and Saturn.
Speaker: Dr. Glenn Orton, JPL

Date of the lecture: Nov-17-2011
Title of the lecture: To Boldly Go, Well You Know - NASA's Dawn Mission to Asteroids.
Speaker: Dr. Marc Rayman, JPL

Date of the lecture: Nov-04-2011
Title of the lecture: Climate Challenge Impact on Civilization: Lesson from Space
Data and Archaeology
Speaker: Dr. Ron Blom, JPL

Date of the lecture: Sep-23-2011
Title of the lecture: How We Got to Saturn, and What Cassini Is Finding.
Speaker: Mr. Dave Doody, JPL

Date of the lecture: May-12-2011
Title of the lecture: The JUNO Mission to Jupiter.
Speaker: Mr. Steven Matousek, JPL

Date of the lecture: Apr-14-2011
Title of the lecture: Deep Impact and Stardust: How NASA Re-Used Two Veteran
Spacecraft for New Comet Exploration.
Speaker: Dr. Tim Larson, JPL

Date of the lecture: Mar-18-2010
Title of the lecture: Total Solar Eclipse at the Navel of the World.
Speaker: Mr. Matt Ventimiglia, CSUN

Date of the lecture: Feb-18-2011
Title of the lecture: Extrasolar Planets.
Speaker: Mr. John Hodgson, CSUN

BIANCHI PLANETARIUM LECTURES PRESENTED IN 2010

Date of the lecture: Nov-19-2010
Title of the lecture: **Robotic Solar System Exploration: Progress and Challenges.**
Speaker: **Mr. Larry Mathies, JPL**

Date of the lecture: Oct-22-2010
Title of the lecture: **Using NASA Satellites to Study the Earth's Climate.**
Speaker: **Dr. Eric Fetzer, JPL, Caltech**

Date of the lecture: Oct-08-2010
Title of the lecture: **Mapping the Infrared Sky with WISE.**
Speaker: **Dr. Peter Eisenhardt, JPL, Caltech**

Date of the lecture: Sep-24-2010
Title of the lecture: **100 Years of Discovery at Mt. Wilson Observatory.**
Speaker: **Mr. Mike Simmons, President of AWB**

Date of the lecture: May-07-2010
Title of the lecture: **What is New with Comets?**
Speaker: **Dr. Dennis Bodewits, GSFC**

Date of the lecture: Apr-14-2010
Title of the lecture: **Strolling through the Heavens - An Introduction to the Constellations of the Winter and Spring Skies.**
Speaker: **Mr. John Hodgson, CSUN**

Date of the lecture: Mar-26-2010
Title of the lecture: **The Hidden Oceans of Europa.**
Speaker: **Dr. Robert Pappalardo, JPL**

Date of the lecture: Mar-12-2010
Title of the lecture: **An Oriental Eclipse for the Century.**
Speaker: **Mr. Matt Ventimiglia, CSUN**

BIANCHI PLANETARIUM LECTURES PRESENTED IN 2009

Date of the lecture: Dec-08-2009
Title of the lecture: The Really Big Picture: Things We Know about the Universe,
and How We Know Them.
Speaker: Dr. Charles Lawrence, JPL

Date of the lecture: Nov-06-2009
Title of the lecture: Strolling through the Heavens - An Introduction to
the Constellations of the Summer and Autumn Skies.
Speaker: Mr. John Hodgson, CSUN

Date of the lecture: Oct-23-2009
Title of the lecture: Rainbows, Red Sunsets and Rocket Science Revisited.
Speaker: Dr. David J. Diner, JPL

Date of the lecture: May-08-2009
Title of the lecture: Cassini Visits Saturn's Active Moon Enceladus.
Speaker: Dr. Amanda Hendrix, JPL

Date of the lecture: Apr-24-2009
Title of the lecture: Strolling through the Heavens - An Introduction to the
Constellations of the Winter and Spring Skies.
Speaker: Mr. Andrew Vandenberg and Mr. John Hodgson, CSUN

Date of the lecture: Mar-27-2009
Title of the lecture: New Wheels on Mars - The Mars Science Laboratory Mission.
Speaker: Dr. Richard Cook, JPL

Date of the lecture: Mar-13-2009
Title of the lecture: The Search for Planets Orbiting Nearby Stars.
Speaker: Dr. Damian Christian, CSUN

BIANCHI PLANETARIUM LECTURES PRESENTED IN 2008

Date of the lecture: **Oct-24-2008**
Title of the lecture: **Arctic Adventure: Chasing a Total Solar Eclipse in the Land of Midnight Sun.**
Speaker: **Mr. Matt Ventimiglia, CSUN**

Date of the lecture: **Oct-17-2008**
Title of the lecture: **Building Palomar's Big Eye.**
Speaker: **Dr. Scott Kardel, Cal Tech**

Date of the lecture: **Oct-03-2008**
Title of the lecture: **The Dark Side of Sunspots.**
Speaker: **Dr. Debi Prasad Choudhary, CSUN**

Date of the lecture: **Apr-25-2008**
Title of the lecture: **Exploring the Nature of Planets Around Other Stars.**
Speaker: **Dr. Brad Hansen, UCLA**

Date of the lecture: **Mar-28-2008**
Title of the lecture: **Finding Planets around Other Stars.**
Speaker: **Dr. David Ciardi, Michelson Science Center and Cal Tech**

Date of the lecture: **Mar-07-2008**
Title of the lecture: **Predicting Climate Change: Removing the Mystery.**
Speaker: **Dr. Duane Waliser, Cal Tech and JPL**

BIANCHI PLANETARIUM LECTURES PRESENTED IN 2007

Date of the lecture: Nov-09-2007
Title of the lecture: Final Frontier: the Dream, History, and Future of Space Flight.
Speaker: Mr. Matt Ventimiglia, CSUN

Date of the lecture: Oct-12-2007
Title of the lecture: The Dawn Mission to the Asteroid Belt.
Speaker: Dr. Mark Rayman, JPL

Date of the lecture: Sep-28-2007
Title of the lecture: Voyager: 30 years in Space.
Speaker: Dr. Alan Cummings, Cal Tech and JPL

Date of the lecture: May-11-2007
Title of the lecture: The Last Days of the Earth.
Speaker: Dr. Mark Morris, UCLA

Date of the lecture: Apr-27-2007
Title of the lecture: Phoenix Mars Scout Mission and the Search for Extant Water Ice.
Speaker: Dr. Deborah Bass, JPL

Date of the lecture: Apr-13-2007
Title of the lecture: Water in the Saturn System.
Speaker: Ms. Trina Ray, JPL

Date of the lecture: Mar-09-2007
Title of the lecture: From Continental Drift to the Theory of Plate Tectonics.
Speaker: Dr. Elizabeth Nagy-Shadman, CSUN

Date of the lecture: Feb-23-2007
Title of the lecture: Comet Dust in Captivity: What Have We Learned From?
The Stardust Mission.
Speaker: Dr. Kevin McKeegan, UCLA

Date of the lecture: Feb-09-2007
Title of the lecture: The Planet Club: Why Pluto Got Kicked Out, and Why Earth
is So Special.
Speaker: Dr. Amanda Mainzer, JPL

BIANCHI PLANETARIUM LECTURES PRESENTED IN 2006

Date of the lecture: **Nov-17-2006**

Title of the lecture: **Meteorites and Asteroids.**

Speaker: **Dr. Alan Rubin, UCLA**

Date of the lecture: **Nov-03-2006**

Title of the lecture: **Mysterious Titan.**

Speaker: **Ms. Trina Ray, JPL**

Date of the lecture: **Oct-06-2006**

Title of the lecture: **Astronomy in Ancient Mediterranean: Chasing the Total Eclipse of March-29-2006.**

Speaker: **Mr. Matt Ventimiglia, CSUN**

Date of the lecture: **Sep-22-2006**

Title of the lecture: **Mars: The Adventure of Exploring the Red Planet.**

Speaker: **Dr. David Senske, JPL**

Date of the lecture: **May-19-2006**

Title of the lecture: **The Magnificent Voyage of Stardust.**

Speaker: **Mr. Darren Baird, JPL and UCLA**

Date of the lecture: **May-12-2006**

Title of the lecture: **Ultraviolet Photolysis of Amino Acids in Crystalline Water Ice: Can They Survive on Europa.**

Speaker: **Drs. Grazyna Orzechowska and Jay Goguen, JPL**

Date of the lecture: **May-09-2006**

Title of the lecture: **Phoenix After MER: From the Equator to the Poles of Mars.**

Speaker: **Dr. Albert Haldemann, JPL**

Date of the lecture: **Apr-124-2006**

Title of the lecture: **Winning the Cosmic Lottery.**

Speaker: **Dr. Paul Weissman, JPL**

Date of the lecture: **Mar-24-2006**

Title of the lecture: **The Latest from NASA's Spitzer Space Telescope: From Planets to Deep Space.**

Speaker: **Dr. Varoujan Goorjian, JPL and Cal Tech**

Date of the lecture: **Mar-10-2006**

Title of the lecture: **The Worlds of the Outer Solar System.**

Speaker: **Dr. David Senske, JPL**

Date of the lecture: **Feb-17-2006**

Title of the lecture: **The Latest Results from Cassini: Enceladus.**

Speaker: **Mr. David F. Coppedge, JPL**

BIANCHI PLANETARIUM LECTURES PRESENTED IN 2005

Date of the lecture: **Dec-9-2005**
Title of the lecture: **Age and Evolution of the Earth: Three Revolutions in One Century.**
Speaker: **Dr. James Powell, USC**

Date of the lecture: **Dec-2-2005**
Title of the lecture: **Astronomy and the Chinese Calendar.**
Speaker: **Dr. Paul Lee, CSUN**

Date of the lecture: **Nov-18-2005**
Title of the lecture: **Special Relativity for Non-Scientists.**
Speaker: **Dr. Skip Newhall, JPL**

Date of the lecture: **Nov-4-2005**
Title of the lecture: **What Makes Planets Habitable?**
Speaker: **Dr. David Stevenson, Cal Tech**

Date of the lecture: **Oct-28-2005**
Title of the lecture: **The War of the Worlds: A Brief History of Martian Invasion.**
Speaker: **Mr. Matt Ventimiglia, CSUN**

Date of the lecture: **Oct-21-2005**
Title of the lecture: **High Resolution Astronomy near Downtown Los Angeles: Recent Results from the CHARA Array.**
Speaker: **Dr. David Berger, University of Michigan**

Date of the lecture: **Oct-14-2005**
Title of the lecture: **SIM - The Next Great Observatory.**
Speaker: **Mr. Stephen Edberg, JPL and Cal Tech**

Date of the lecture: **Sep-30-2005**
Title of the lecture: **Spirit and Opportunity: The Corps of Discovery for Mars.**
Speaker: **Dr. John Callas, JPL**

Date of the lecture: **Sep-23-2005**
Title of the lecture: **The Cassini/Huygens Mission to Saturn.**
Speaker: **Mr. Robert Mitchell, JPL**

Date of the lecture: **Sep-9-2005**
Title of the lecture: **Hubble Ultra Deep Field of Galaxies.**
Speaker: **Dr. Michael Corbin, ASU and STScI**

Date of the lecture: **June-24-2005**
Title of the lecture: **Science at Saturn: The Cassini/Huygens Mission to Saturn and Titan.**
Speaker: **Mr. David F. Coppedge, JPL**

BIANCHI PLANETARIUM LECTURES PRESENTED IN 2005 (cont)

Date of the lecture: **May-20-2005**
Title of the lecture: **The Solar Eclipse of April-8-2005.**
Speaker: **Mr. Matt Ventimiglia, CSUN**

Date of the lecture: **May-13-2005**
Title of the lecture: **In Search of the Cause of the End of the Dinosaur Era:
The Story of the Chixculub Impact Crater.**
Speaker: **Dr. Adriana Ocampo, JPL, Cal Tech**

Date of the lecture: **May-6-2005**
Title of the lecture: **Fact and Fiction in Cosmology.**
Speaker: **Dr. Edward (Ned) Wright, UCLA**

Date of the lecture: **April-29-2005**
Title of the lecture: **Pluto, Sedna, and the Edge of the Solar System.**
Speaker: **Dr. Michael Brown, Cal Tech**

Date of the lecture: **April-22-2005**
Title of the lecture: **Secret of Sound and Music.**
Speaker: **Dr. David Bach, CSUN**

Date of the lecture: **April-15-2005**
Title of the lecture: **Nature vs. Nurture: How Venus Went Bad.**
Speaker: **Dr. Nathan Bridges, JPL**

Date of the lecture: **April-1-2005**
Title of the lecture: **Galaxy Train Wrecks.**
Speaker: **Dr. Sarah Gallagher, UCLA**

Date of the lecture: **March-18-2005**
Title of the lecture: **Deep Impact: A Mission to Understand the Heart of a Comet.**
Speaker: **Dr. Donald Yeomans, JPL**

Date of the lecture: **March-04-2005**
Title of the lecture: **Cosmic Jets: New Building Blocks of the Universe.**
Speaker: **Dr. David Meier, JPL**

Date of the lecture: **February-25-2005**
Title of the lecture: **Cassini at Saturn, Huygens on Titan.**
Speaker: **Dr. Kevin Grazier, JPL**

Date of the lecture: **February-11-2005**
Title of the lecture: **The Moon: Our Nearest Neighbor in Space.**
Speaker: **Dr. Bonnie Buratti, JPL**

Date of the lecture: **February-04-2005**
Title of the lecture: **When the Pacific Speaks, The World Listens.**
Speaker: **Dr. William Patzert, JPL**

BIANCHI PLANETARIUM LECTURES PRESENTED IN 2005 (cont)

Date of the lecture: **January-28-2005**

Title of the lecture: **The Perils of Living in Space: An Introduction to Space Weather**

Speaker: **Dr. Mark Moldwin, UCLA**

Date of the lecture: **January-21-2005**

Title of the lecture: **Mount Wilson Observatory-Then and Now, a Centennial Celebration.**

Speaker: **Mr. Don Nicholson, Mount Wilson Observatory Association and
Institute**

BIANCHI PLANETARIUM LECTURES PRESENTED IN 2004

Date of the lecture: **December-10-2004**
Title of the lecture: **Search for the Christmas Star.**
Speaker: **Mr. John Mosley, Griffith Observatory**

Date of the lecture: **December-03-2004**
Title of the lecture: **Search for the Christmas Star.**
Speaker: **Mr. John Mosley, Griffith Observatory**

Date of the lecture: **November-19-2004**
Title of the lecture: **The Galaxy Evolution Explorer.**
Speaker: **Dr. Michael Rich, UCLA**

Date of the lecture: **November-12-2004**
Title of the lecture: **What's Shaking and How We Measure It.**
Speaker: **Dr. Kate Hutton, JPL and Cal. Tech.**

Date of the lecture: **October-29-2004**
Title of the lecture: **Halloween Storms on the Sun.**
Speaker: **Dr. Debi Prasad Choudhary, CSUN**

Date of the lecture: **October-15-2004**
Title of the lecture: **Planets in Alignment- Venus in Transit.**
Speaker: **Mr. Matt Ventimiglia, CSUN**

Date of the lecture: **October-08-2004**
Title of the lecture: **As the World Turns and Changes Its Mass Distribution.**
Speaker: **Dr. Jean O. Dickey, JPL**

Date of the lecture: **October-01-2004**
Title of the lecture: **Spirit and Opportunity: Summer 2004 Adventure on Mars.**
Speaker: **Dr. Albert Haldemann, JPL**

Date of the lecture: **September-10-2004**
Title of the lecture: **The Quest to Detect Gravitational Waves.**
Speaker: **Dr. Peter Shawhan, Cal. Tech.**

Date of the lecture: **August-20-2004**
Title of the lecture: **Keck Interferometer - Planet Hunting and Other Astrophysics Done with High Resolution Imaging.**
Speaker: **Dr. Andrew J. Booth, JPL**

Date of the lecture: **July-30-2004**
Title of the lecture: **Rings of Saturn**
Speaker: **Dr. Linda J. Spilker, JPL**

BIANCHI PLANETARIUM LECTURES PRESENTED IN 2004 (cont)

Date of the lecture: July-23-2004
Title of the lecture: Ultra-High Energy Cosmic Rays: The Mystery of Nature's Most Powerful Particle Accelerators.
Speaker: Dr. Theresa Lynn, Cal. Tech.

Date of the lecture: June-25-2004
Title of the lecture: Genesis - Search for Origins.
Speaker: Mr. Donald Sweetnam, JPL

Date of the lecture: June-4-2004
Title of the lecture: Understanding the Dark Universe.
Speaker: Dr. David B. Cline, UCLA

Date of the lecture: May-14-2003
Title of the lecture: The Cassini/Huygens Mission to Saturn and Titan.
Speaker: Dr. Kevin Grazier, JPL

Date of the lecture: May-7-2004
Title of the lecture: From New Stars to Black Holes: The Infrared View of the Universe from NASA's Spitzer Space Telescope.
Speaker: Dr. Varoujan Gorjian, JPL

Date of the lecture: April-16-2004
Title of the lecture: In the Heat of the Night: Exploring the Invisible Universe.
Speaker: Dr. Michelle Thaller, JPL

Date of the lecture: April-9-2004
Title of the lecture: Galileo's Odyssey: The Worlds of Jupiter.
Speaker: Dr. Rosaly M. Lopes, JPL

Date of the lecture: March-26-2004
Title of the lecture: The Icy Moon Europa May Contain a Liquid Ocean.
Speaker: Dr. John Olson, UCLA

Date of the lecture: February-13-2004
Title of the lecture: Relativistic Interstellar Travel
Speaker: Dr. Art Huffman, UCLA

Date of the lecture: January-31-2004
Title of the lecture: The STARDUST MISSION: The Return of Cometary Samples to Earth
Speaker: Dr. Kevin McKeegan, UCLA

BIANCHI PLANETARIUM SPEAKERS BEFORE 2004.

Mr. Matt Ventimiglia - Matt has traveled all over the world and observed four total solar eclipses, four annular eclipses, numerous lunar eclipses, and one transit of Venus and one transit of Mercury.

Mr. Robert Provin - Senior Information Technology Consultant and Lecturer in the Department of Geography at California State University, Northridge.

Professor Richard Rains - Professor of Physics and Astronomy at Los Angeles Mission College.

Professor Peter Collas - Professor of Physics in the Department of Physics and Astronomy at California State University, Northridge.

Professor Duane Doty - Professor of Physics in the Department of Physics and Astronomy at California State University, Northridge.

Professor Paul Lee - Professor of Physics in the Department of Physics and Astronomy at California State University, Northridge.

Professor Phil Plait - Professor of Astronomy in the Department of Physics and Astronomy at Sonoma State University, Sonoma, California.