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(all information is subject to change at any time up to, during and even after the convention…)

SCIENCE

SCI – 400 YEARS OF THE TELESCOPE. It's been 400 years since 1609, when Galileo Galilei first pointed a telescope at the Moon, planets, stars, and other astronomical objects. In May 2009, astronauts will be upgrading the Hubble Space Telescope, which has single-handedly revolutionized astronomy. How have telescopes changed our lives on Earth? How have telescopes changed?
Fri 2p-3p, Xavier room. Loretta McKibben(moderator), Diana Challis, David Lee Summers

SCI – EARTH CHANGES, it happens all the time. Not only the climate, the sea, and the land, but every 15,000 years or so, the Earth's magnetic poles switch; North to South and South to North. Many say this will happen in the year 2012, you know the Mayan Calendar thing; or the End of the World people, Bible Revelationsaries (you should be careful of that Chinese curse, of what you wish for), really it will happen in 2010, Yes, that soon. What will be answered is why and how do the panels know, based on Science, you will be blinded, by Science.
Thurs 6p-7p, Xavier room. Gilbert F.R. Rau

SCI – FINDING GOOD SCIENCE. Where does the layperson go to keep up on their favorite science?
Sat noon-1p, Augustine room. Steven Lopato, David Lee Summers

SCI – GLOBAL CLIMATE CHANGE. Panelists discuss the historical background, recent scientific and political issues, and probable outcome of global climate change in our lifetimes and the foreseeable future. What's the deal with CO2 and why is it so important? What is the cascade effect?
Fri 11a-noon, Palm F room. Kay Pannell (moderator), Gilbert F.R. Rau, Loretta McKibben

SCI/SOC – IF I HAD BILL GATES' MONEY or What Could I Do To Benefit Space Travel or Science?
Sun 2p-3p, Capistrano room. David Nelson, Steven Lopato, Eytan Kollin

SCI – LUNAR RECONNAISSANCE ORBITER - A New Beginning In Our Return To The Moon. NASA will soon be launching the first mission in decades to study the Moon in greater detail. The volume of image and other science data we will receive will exceed that of all previous planetary missions combined. With the precision to observe objects as small as a microwave oven, this mission will focus on identifying and quantifying usable resources and mapping out potential sites for landing humans on

the Moon. Presented will be an overview of the LRO mission, capabilities of the high-resolution camera, and newly-released images of the Moon.
Fri 6p-7p, Palm F room. David Nelson

SCI – NASA PLANETARY EXPLORATION UPDATE. Join Dr. David Williams of Arizona State University's School of Earth & Space Exploration for an overview of results from NASA and ESA planetary missions. Mercury, the Moon, Mars, the outer satellites - no matter your favorite body, there will be something to talk about!
Sun 10a-11a, Xavier room. Dr. David A. Williams, David Nelson

SCI – SOLAR SAILS: RIDING THE WINDS OF SPACE. Are solar sails a concept that could really fly, or is it still just SF? Author and astronomer David Lee Summers explains the theory behind solar sails and then looks at both past and future attempts to make a solar sail operational.
Fri 4p-5p, Palm F room. David Lee Summers

SCI – TESLA: THE REAL MAN, NOT THE GOD. When the myth is more popular than truth, you print the myth, it sells better. That is what has become of Tesla. All you see in the electrical world, you would not have if it were not for him. Yes, he did wireless transition of energy and it works. His death ray also did work but not as you think. The bladeless turbine was way ahead of its time, and the work on the Moray generator - what power - and it changed the Soviet Union forever. When you speak his name in a room full of scientists, it is like that old E F Hutton TV commercial, everyone becomes silent and turns to look. For 60 years, the GRU and the KGB kept six full-time agents in the USA to look for information on him. One item was the Gasification and Purification of Metals that the Soviets bought for $35,000 US. That gave them thin aluminum which later was sold to Alcoa Aluminum and so now we have thin and lightweight aluminum cans. He was that important.
Sun noon-1p, Xavier room. Gilbert F.R. Rau

SCI – THE 40th ANNIVERSARY OF APOLLO XI: The First Moon Landing." This July, we celebrate 40 years since Neil Armstrong first stepped upon Earth's Moon. How long will it be before we go back? And on to Mars? What have we learned about the Moon since July, 1969 in planetary research? Are we any closer to vacationing or living there?
Sat 11a-noon, Xavier room. Loretta McKibben (moderator), Dr. David A. Williams, Louise Kleba

SCI – WEATHER AROUND THE SOLAR SYSTEM. From Saturn's equatorial storms with winds more than three times those of an F5 tornado to the dust devils of Mars, come explore weather around the Solar System! Earth isn't the only place suitable for storm chasers.
Sat 2p-3p, Augustine room. Loretta McKibben

SCI – WOMEN IN SCIENCE. Panelists are women in scientific fields who discuss their experiences as women in fields dominated by men, until recently, and what obstacles

they're overcome, or how their point of view has changed the way science is seen in those fields.
Fri 4p-5p, Xavier room. Kay Pannell (moderator), Diana Challis, Loretta McKibben, Louise Kleba

SCI - WONDROUS TITAN FROM NASA's CASSINI MISSION. WONDROUS TITAN (AND ENCELADUS) FROM NASA's CASSINI MISSION. A lot of great results have been coming from Titan and Enceladus thanks to NASA's Cassini-Huygens mission. I'll go into more detail about what we are learning about the Titan's lakes, rivers and craters, and Enceladus' plumes, on these mysterious moons.
Thurs 5p-6p, Xavier room. Dr. David A. Williams

SCI/SOC – WOULD YOU GO INTO SPACE? Bill Shatner reportedly turned down the opportunity to fly on Virgin's first passenger flight but Sigourney Weaver has already booked her ticket. Would you go if you could?
Sat 1p-2p, Xavier room. W.A. Thomasson (moderator), Louise Kleba, Dani & Eytan Kollin