



20 January 2018

We would like to self-nominate International Lunar Observatory Association (ILOA) for the 2018 IAF Excellence in “3G” Diversity Award for its commitment to international / interglobal collaborations, its multicultural Galaxy Forum education program, and initiatives including First Woman on the Moon, which was put forth by ILOA and accepted as a formal forum for “3G” Breakfast at 68th IAC 2017 for a transcending, inspiring vision vital to advance human civilization and gender equality.

Galaxy Forums (established 4 July 2008) have been free public events, sponsored and coordinated by ILOA of Hawai`i (with local institutional support), and are designed as flexible and responsive solutions to advance galaxy 21st century education for multi-generational, multicultural, gender-inclusive audiences. Galaxy Forums are typically geared toward high school teachers, educators, astronomers of all kinds, students and the general public. Presentations are provided by experts in the fields of astrophysics / galaxy research and 21st century education. In each location, ILOA works to integrate a balance of local and international perspectives, traditional knowledge and gender-equality into its programs for an all-inclusive experience for people of any generation, gender and geographic location.

- 80 Galaxy Forums with over 350 presentations held to date.
- At 26 locations worldwide including South Africa, Brazil, Canada, China, Chile, Czech Republic, France, India, Indonesia, Japan, Malaysia, Singapore, Thailand, USA, Hawaii.
- Upcoming 2018 Galaxy Forums being planned in Indonesia (Yogyakarta), Japan (Aizu), Hawaii (Hilo, Kamuela), USA (Silicon Valley, Kansas, New York), Europe (Vienna), China (Hainan), India (Bengaluru); and planning Galaxy Forum Antarctica, McMurdo or South Pole 2018-2019; Chile (Santiago) and Brazil (Rio) 2019.
- Also provides the [ILOA Galaxy Map](#) education tool, interactive Q&A sessions, and Panel discussions to engage with and inspire audiences.

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The First Woman on the Moon has become a high priority for ILOA and its affiliated Space Age Publishing Company (SPC) for a 21st century mission to advance diversity and equality in astronautics, facilitate large-scale international collaborations, and inspire next generation, cross-cutting ideas, technologies, research and science for all people – with the belief that the First Woman on the Moon could be as significant as the First Man on the Moon and supports the Apollo 11 pledge ‘In Peace for All’.

- ILOA and SPC have produced more than 20 First Woman on the Moon articles for public use through [Space Calendar](#) and [Lunar Enterprise Daily](#), as well as ‘Women in Space and Women on the Moon’ poster featuring the 60 women who have been to Space so far, and a call for nominations / vote for the First Woman on the Moon (2016-present).
- Proposal (23 June 2017) and acceptance as [“IDEA” for 3G Breakfast Forum at 68th IAC](#) in Adelaide, Australia (27 Sep 2017).
- During USA 2016 Presidential Campaign, and after, ILOA and SPC via mail, email and phone calls advocated for the First Woman on the Moon vision by contacting (then Presidential Candidates) Donald Trump and Hillary Clinton, along with Mike Pence, Newt Gingrich, Robert Walker, Jim Bridenstine, Karen Pence, Scott Pace, Eileen Collins, Charles Bolden, Robert Lightfoot, Lori Garver, and others (June 2016-present)
- Initiatives and support from LEAG, Icarus Interstellar, Moon Express, Loretta Hidalgo Whitesides, Jean-Yves Le Gall, Johann-Dietrich Woerner, Christian Feichtinger, Sandy Magnus, Mary Snitch, Danielle Richey, and Elena Feichtinger.
- Coordination with [Stanford on the Moon](#) alumni club to include First Woman on the Moon theme into the upcoming 2018 Stanford Lunar Exhibit. 8 women from Stanford have become Astronauts and their achievements will be highlighted and displayed.

[ILOA](#) is incorporated in Hawaii as a 501(c)(3) non-profit (2007) to help realize the multifunctional ILO observatory - to advance human knowledge of the Cosmos through observation from our Moon, and to participate in lunar base build-out.

- As the first word in the organization’s name indicates - the “International” Lunar Observatory Association has worked since its founding to connect peoples of many nations / continents for the primary goal of building a multi-world civilization starting with the Moon, and a clear strategy to start with the major spacefaring powers.
- ILOA has been breaking barriers of international cooperation by enacting MoUs with Canada-France-Hawaii Telescope (CFHT), National Astronomical Observatories / Chinese Academy of Sciences (NAOC / CAS), Chinese National Space Administration (CNSA) and a Multinational MoU with Southeast Asia Principal Operating Partners in 4 countries to date (Indonesia, Singapore, Thailand, Malaysia).
- The sustained, long-term survival of humanity depends on global / interglobal cooperation, and ILOA has made it its goal to see an all inclusive human return to the Moon for good.

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- With support from 25 current international directors, [ILOA is advancing 4 Moon missions](#):
 - ILO-X precursor mission awaits successful landing by Moon Express 2018 to achieve the first Milky Way Galaxy image, and astronomical observation and communications from the Moon.
 - ILO-1 is developing 2018 considerations for spacecraft evolution by Moon Express and low-cost optical payload being built by Canadensys Aerospace Corp.
 - Chang'e-3 lander Lunar Ultraviolet Telescope (LUT) observation time exchange with ILO-1 continues after LUT images spiral galaxy M101 for ILOA (63 individual exposures of 30 seconds each) in December 2014.
 - ILOA Human Service Mission to the lunar south pole is under discussion in multiple regions, and will utilize MoUs and the Galaxy Forum outreach platform.
- Among the [25 ILOA Board Members](#) from 12 countries are a number of younger generation members complementing the older generations, as well as:
 - **Shawna Pandya** of Canada: Graduate of International Space University and Singularity University, with backgrounds in Neuroscience (BSc Hons '06, University of Alberta) and Medicine (MD Candidate '12, University of Alberta). Currently working as instructor at PoSSUM Citizen Scientist astronauts, and at Sea Space Exploration & Research Society; serves on ILOA Board of Directors.
 - **Misuzu Onuki** of Japan: Space entrepreneur. Experience with both JAXA and commercial space initiatives. First non-USA citizen invited to be a SFF advocate. Serves on World Space Week Board of Directors, and ILOA Board of Directors.
 - **Astronaut Naoko Yamazaki** of Japan: Second Japanese woman to fly in space, accumulated more than 15 days at ISS April 2010 flying on Space Shuttle *Discovery* STS-131; is on the Japanese Cabinet Office Space Policy Committee, advisor for Young Astronauts Club – Japan, and a Director of Japan Rocket Society; serves on ILOA Board of Directors.
 - **Huimin Warbus** of China: Currently living in Hawaii, Huimin serves as Chinese special consultant for ILOA for 10 years; she helps to create effective communications and outreach to contacts in China.

Included in this document are hyperlinks to various websites and a brief visual compilation of some of ILOA and SPC contributions to 3G.

We thank you for your consideration for ILOA for the 2018 IAF Excellence in 3G Diversity Award, and for IAF's commitment to advancing the 3G perspective on a global / interglobal scale.

Best Wishes, Galactically -
with Aloha from Hawaii,
International Lunar Observatory Association

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IAF IDEA “3G” Diversity Breakfast

during

IAC 2017 in Adelaide, Australia

(Wednesday 27 September 2017)

“First Woman on the Moon”

In continuation of the IAF President’s initiative on fostering the principle of 3G Diversity in astronautics and as an important element of the IAF 3G Diversity Day on 27 September 2017 at IAC 2017 in Adelaide, Australia, the IAF is using its IDEA platform to offer an IAF IDEA 3G Diversity Breakfast to all delegates focusing on the epochal and historic event in mankind’s future of the first woman to set foot on the Moon under the title “First Woman on the Moon”.

Based on the initiative of the International Lunar Observatory Association (ILOA), the organiser of regular Galaxy Forums and IAF member since 2011, and with strong support by the European Space Agency, The American Institute of Aeronautics and Astronautics (AIAA) and Lockheed Martin Corporation, this breakfast event shall provide an opportunity to hear about the perspectives of the first female astronaut setting foot on the Moon, the plans of space agencies and industry in advancing a “Moon village” concept with an inclusive participation and the opinions of those who have been and will be the ambassadors of humankind in exploring the universe – our astronauts.

With this event the IAF and its partners wish to draw the attention of a global space community on the long-overdue consideration of the historic significance of the first woman on the Moon as was the first man on the Moon almost 50 years ago, when humanity will reclaim its existence as a multi-world species and at that time become a multi-world civilization – a Moon Village prototype – in peace for all, and for good.

Date: Wednesday, 27 September 2017

Time: 7:00 – 8:30

Venue: Adelaide Convention Center, Foyer E

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Draft Programme :

Welcome and Introduction (07:10 – 07:20)

Jean-Yves Le Gall (IAF President)

Keynote “The Historic Significance of the First Woman on the Moon” (07:20 – 07:30)

Steve Durst (Founding Director of the International Lunar Observatory Association ILOA)

Keynote “The Moon Village Concept” (07:30 – 07:40)

Jan Woerner (Director General of the European Space Agency ESA)

Keynote “Industry’s Role and Commitment to Supporting a Moon Village Concept” (07:40 – 07:50)

Danielle Richey (Systems Engineer at Lockheed Martin SSC)

Keynote “The Astronauts’ Perspective” (07:50 – 08:00)

Sandy Magnus (Executive Director of The American Institute of Aeronautics and Astronautics AIAA)

Concluding Remarks (08:00 – 08:10)

Mary Snitch (IAF Vice President for Diversity Initiatives)

Networking (08:10 – 08:30)



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ILOA GALAXY FORUM

21st Century Education
in Every Class



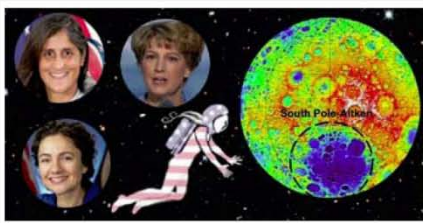
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Weekend Edition

Fri-Mon / 22-25 July 2016

Women On The Moon: Expanding American / Global Enterprise

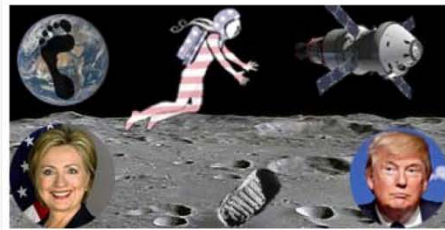


Whichever Political Party Advances The New 2017 USA Administration Could Recognize A Prime Imperative & Plan To Reclaim A Great Accomplishment — Human Presence On The Moon; Many Willing And Able Women Would Eagerly Step Up To The Challenges Of Breaking This Very High Glass Ceiling; Recent Remarks By Eileen Collins Urge Policy Makers To Facilitate America Regaining Leadership In Space Exploration, Especially By Returning To Luna-First Priorities; Suni Williams Is Helping Lead Progress Toward US Commercial Crew Capabilities; Jessica Meir Is Emerging From The ESA CAVES Mission, Looking For The Next Challenge

Special Weekend Edition

Fri-Mon / 7-10 Oct 2016

The First Woman On The Moon?



USA Presidential Candidates Hillary Clinton (D) And Donald Trump (R) Addressing Nation's Issues Could Focus On Viable, 21st Century, Inspiring Way Forward By Supporting Mission For 1st Woman On The Moon; Women On The Moon Would Advance Technology Development, Science Research, Equal Rights, And Boost Economy Through New Jobs, Lunar Resources / Commerce, Innovation; Human Moon Mission Much Easier To Achieve Than Mars, Could See Women & Men Landing Via SLS / Orion, Inspire Next-Gen Americans And World, Encourage International Collaboration, Solidify Humans As Multi World Species

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SPACE CALENDAR

JULY 3-9, 2017

July 3-9, 2017 / Vol 36, No 27 / Hawai'i Island, USA

[Space Age Publishing Company](#)

First Women / Americans at the Moon South Pole 2020-2021

Open Letter to the Trump-Pence Administration

Tenancy on the Moon by Women and Men as soon as 2020 is within reach and would be a noble and valuable objective for American greatness. The Moon's South Pole is a 21st Century New Frontier as pioneering and enriching as Humans on Mars and trillion dollar asteroids, and much closer in time and space. India and China are advancing strategic campaigns to the Moon focused on material and energy resource growth. A Cislunar Superhighway could be a defining USA / international 21st Century infrastructure investment. Launches of humans to Space from American land again are highly anticipated. Vice President Pence just greeted the new Astronauts including Loral O'Hara, and she wonders: "Every time I look at the Moon, I think: Holy Cow, I might be walking around up there someday – that's actually a real possibility". NASA Space Launch System and Orion crew capsule currently in development are expected to be flying by 2019. NewSpace enterprises are also moving forward: SpaceX is preparing to test the Falcon Heavy launch vehicle and is working to develop its Dragon crew vehicle and Interplanetary Transportation System; Blue Origin is working on its New Glenn, New Shepard and New Armstrong vehicles; Bigelow continues to refine the technology for inflatable space habitats; Moon Express and Astrobotic count down to launch commercial lunar operations. The time to return "in peace for all" — to reclaim the greatest American, human advance, and for good — is now. The Moon is our launch pad to the Solar System and gateway to the Stars. (Image Credit: NASA, N. Moeller, Space Age Publishing Company)



SPACE CALENDAR

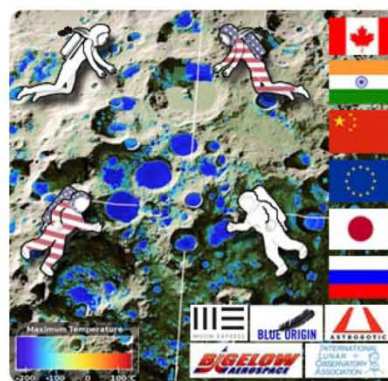
JULY 10-16, 2017

July 10-16, 2017 / Vol 36, No 28 / Hawai'i Island, USA

[Space Age Publishing Company](#)

First Women / Americans at the Moon South Pole 2020-2021

American Space Enterprise Community Update



Landing of the First Women on the Moon will be as epochal an advancement as the First Men on the Moon, especially if it occurs at the Moon South Pole New Frontier. The transcending and transforming evolution of Humanity from a Multi World Species to a Multi World Civilization is no doubt a worthwhile cause for good, and for all. Much more than just a return to the Moon is the promising prospect and pressing imperative of creating a sustainable system to support the continual presence of Humans on the Moon. An outpost for the future, stepping stone for Solar System Complete endeavor in the 21st Century. American Space Enterprise community celebrating July Space Month 2017 should keep an eye toward the revolutionary accomplishment that Women on the Moon will be. ShareSpace foundation is hosting an Apollo 11 Anniversary Gala with Buzz Aldrin on July 15 at Kennedy Space Center. The Solar System Exploration Research Virtual Institute is holding 4th NASA Exploration Science Forum July 18-20 in Moffett Field CA. The Moon Society et al celebrate Moon Day 2017 July 22 in Dallas TX. International Astronautical Federation convenes the annual IAC September 25-29 in Adelaide, Australia. An International Moonbase Summit is taking place Oct 1-5 in on the Kohala Coast HI and the Lunar Exploration Analysis Group annual meeting is Oct 10-13 in Greenbelt MD. (Image Credit: NASA, SPC, ILOA, Moon Express, Astrobotic, Bigelow, Blue Origin)

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