

DIVIDED
Victor Lindkvist, Art Director, Sweden

SAN JUAN, PUERTO RICO

TWILING, Meiling Cai, China

WE ARE ALL EXPLORER FISH
Dr. Sarah Jane Pell, Australia

 **Vega** 织女星
The Weaver Maiden
The Daughter of God
LOVE IS BEYOND BORDERS
Lynn Lin, China

 **Altair** 牛郎星
The Cow Herder

FASCINATION OF THE UNKNOWN
Ida Moen, Art Director, Norway


National Space Society

SPACE BEYOND BORDERS BUMPER, Kai Young, United States

Dont Forget, Sung Sun Hwang, Korea

35th International Space Development Conference ARTS, HUMANITIES AND CULTURE IN SPACE TRACK



ISDC2016 SPACE BEYOND BORDERS

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REFLECTIVE SHARDS Tlielaxu Miykel, Motion Graphics Designer, Mexico, 2016

URL: https://www.dropbox.com/s/d9uwpujudr3o3f9u/miykel_SBB_H264_Final.mov?dl=0

ZGAC
ZERO GRAVITY ARTS CONSORTIUM
STEAM SCREENINGS
FRIDAY NIGHT
MAY 20
MIRAMAR BALLROOM

Shreaton Hotel and Casino, San Juan, Puerto Rico

9-11 pm



www.zgac.org

Frank Pietronigro
Track Chair
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cwtch, Oscar M. Singh Jr., Graphic Designer, Mexico, 2016

URL: <https://drive.google.com/file/d/0ByOM92YlgqTsekEyM1U1RVIBVFE/view?usp=sharing>

Watch for new arts in space exploration videos screened, at various times and locations throughout ISDC2016.

celebrate the benefits of turning STEM education into **STEAM** education (Science, Technology, Engineering, Arts Music and Mathematics) in support of interdisciplinary arts science collaborations.



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CLICK HERE 5/20/2016 at 11:00 PM ET TO JOIN US LIVE: <https://plus.google.com/u/0/events/c3slm9t0dd71k2vfeooqvmrl4>



ZGAC LIVE HANGOUT WITH STUDENTS
IMMEDIATELY FOLLOWING ISDC2016 SCREENING
MAY 20 – 11-11:11 pm (Eastern) (8–8:11 pm Pacific)

Join us live tonight atop Twin Peaks in San Francisco at Frank Pietronigro's studio during our broadcast celebration with motion graphic design students who created the works you are about to see. ZGAC will be coming to you live this evening immediately following the screening at ISDC2016.



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SPACE BEYOND BORDERS: WORLD PREMIERE EXPLORATIONS IN MOTION GRAPHICS

In the spirit of ZGAC's interdisciplinary, multicultural, interactive and intergenerational approach, new video works created by international university motion graphics design students will be presented in addition to arts in space projects created by artists working at the nexus of the arts, humanities, and cultural collaborations within the context of space exploration.

The videos are offered as gifts from the designers specifically created for the enjoyment of the ISDC2016 audience. Designers considered the theme: Space Beyond Borders. As science fiction artists of today, these art directors were asked to consider what they imagine the future of space exploration to look like as they weave within this context their histories, cultural activities, mythologies, languages, stories and ideas.

As extension of our arts and diverse global cultures, how might subjects about our species moving off our home planet earth be woven into contemporary visualizations of space exploration? Within the context of space exploration, they effectively montaged video and audio, while learning about space science, engineering showing varying concepts and degrees of technical execution with the art of video editing. All content was to be found as free and usable from public domain content sources, with video sources such as NASA, credited by each student. Granted some of the NASA logos miss the words, "Video Courtesy of

NASA" considering the difficulty challenge for them to produce these video shorts in less than three weeks from conception to completion. With ten weeks of study in motion graphics design and programming in Adobe AfterEffects, this track's Chair, Frank Pietronigro, was their teacher this semester in the Web Design New Media School at the Academy of Art University in San Francisco. Frank just achieved a Certificate in Digital Design and Production with Bay Area Video Coalition that enhanced his teaching skills in AfterEffects.

The results offer compelling personal statements with unique international perspectives and interpretations of their sense of culture extending to a space beyond borders. In many cases the students created their own audio. Their dedication and creativity reflect the dedication and creativity we see in space scientists and engineers so many of the videos indeed celebrate, at a high level of professionalism, seamlessly creating a Space Beyond Borders between the arts and the sciences.

We hope their work sparks conversations among ISDC2026 participants as these creative and cultural responses, weave a keen psychology into the impressions of both cultural activities and space exploration within this ZGAC STEAM SCREEN space beyond borders.



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WORLD PREMIERE - CHINA
program 1



TWILING by Meiling Cai, Motion Graphics Designer, 2016

URL: https://www.dropbox.com/s/cqj9f0rjhmxxi7/CAI_MEILING_ISDC2016.mp4?dl=0v

In my arts in space exploration video project I thought about our future while starting from an analysis of why our human species continuously desires to explore the vastness of space. Scenes of natural disasters that are shared around our home planet earth, beyond all borders, offers a visual thrust of great importance uniting different countries and regions of our world through the natural rhythms of our planets growth. Thus, I want to understand the natural cycles of life and offer the audience time to contemplate how we can fit within the border of our lands, our planet, our solar system our galaxy and our universe. With the development of science and technology, the distances between different countries no longer counts as much, and human life has changed tremendously because of the advancement in transportation technologies including those created by space engineers and scientists. We see that we humans have not only landed on the Moon or Mars; but, as we humans move out into space we may find origins of other species.

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WORLD PREMIERE - CHINA
program 2



LOVE IS BEYOND BORDERS by Lin Lynn, Motion Graphics Designer, 2016

URL: https://drive.google.com/open?id=0B3LX_BDxLPXPSGZXVG9jZ3FnSnc

An old Chinese love story—two lovers are separated by the milky way, because of the differences between their social status. Thus, they are only allowed to meet once a year—on the lunar calendar, the 7th day of the 7th month. On that day, all lovers on earth will all celebrate.

Love is beyond borders.

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WORLD PREMIERE - EL SALVADOR

program 3 



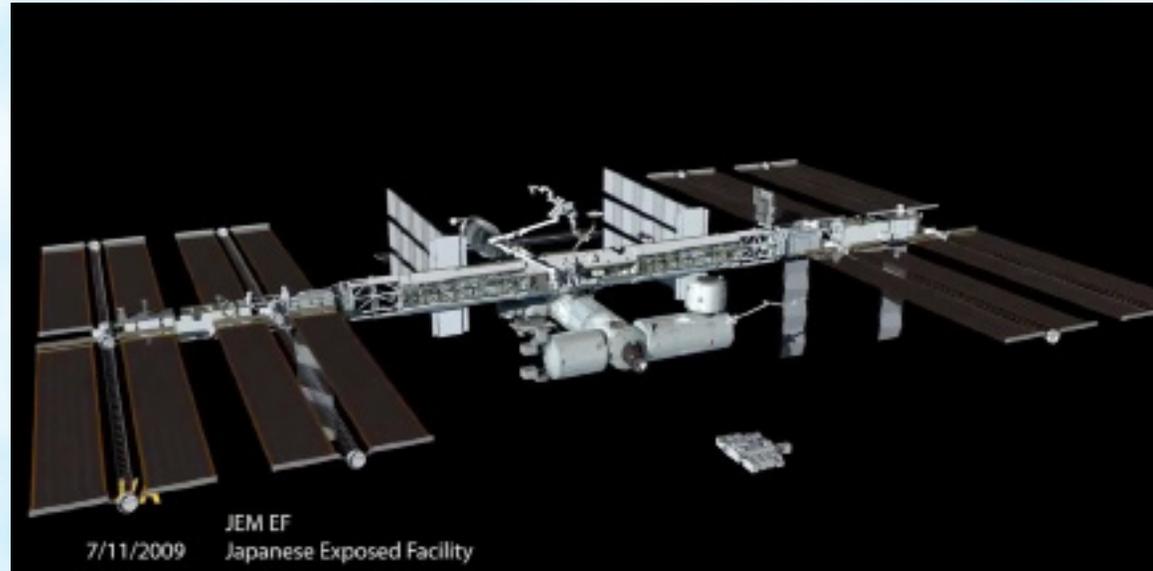
LET'S EXPLORE THE NEW FRONTIER Karla Varela-Huezo, Motion Graphics Designer, 2016

URL: <https://drive.google.com/open?id=0B9dJc4-Px7h9TjBnakp0WTIxZ3M>

A video montage celebrating the richness of culture and life on our home planet and beyond all, as a new frontier.

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220 MILES HIGH Alberto Troni, Motion Graphics Designer, 2016

URL: <https://drive.google.com/file/d/0B57SBSld31XXX1IZS2lvcFJWbEE/view?pref=2&pli=1>

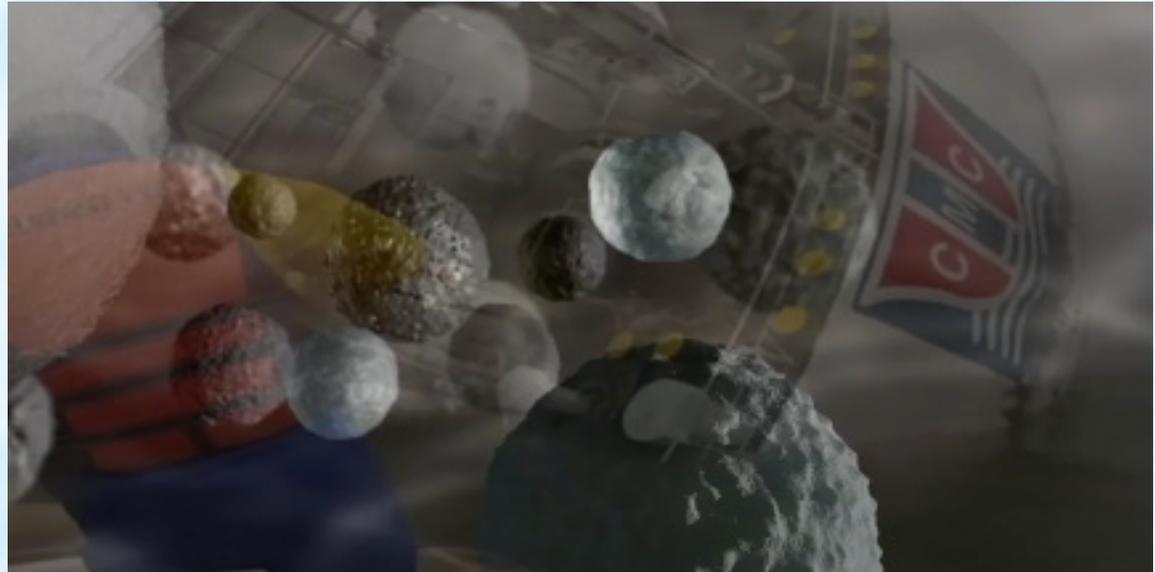
An introductory video about the International Space Station showing the ship's evolution, the effort and all the work behind one of the greatest human creative achievements.

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WORLD PREMIERE - KOREA
program 5 



DON'T FORGET Sung Sun Hwang, Motion Graphics Designer, 2016

URL: <https://drive.google.com/folderview?id=0B90KqPQ93E2IR1BjUjZS3VsZWs&usp=sharing>

I contemplated the universe along with an event in Korea, the ferry disaster in 2014. There are similar keywords between them like a starship (ferry), travel, and happening. I would like to remember the event, its impact on people and hope that such tragedy does not happen again be it on earth or in outer space as we travel off in larger and larger numbers..

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WORLD PREMIERE - MEXICO
program 6



REFLECTIVE SHARDS Tlielaxu Miykel, Motion Graphics Designer, 2016

URL: https://www.dropbox.com/s/d9uwpjudr3o3f9u/miykel_SBB_H264_Final.mov?dl=0

I personally feel that I live in a time when individuality is a struggle, especially to be included in the day-to-day approval of the status-quo. The only time I feel we are truly as one and 'exist without borders' is when we go beyond our physical selves. I hope that my video conveys this idea to the ISDC2016 audience.

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WORLD PREMIERE - NORWAY
program 7



FASCINATION OF THE UNKNOWN Ida Moen Motion Graphics Designer, Norway, 2016

URL: <https://www.dropbox.com/s/m4iy7bmt91dqht/Space%20beyond%20borders%20Ida%20Moen.mov?dl=0>

Everywhere in the world, people look up at the stars and feel fascinated with the big unknown eternity we live in. My video is very abstract as it celebrates the diversity of how all the places and things in our world and universe are beautiful. This beauty is shared among us no matter where one is from or who we are now. When it comes to making art of this notion, I use a lot of colors and effects to express myself with the intention of offering a movie that is graceful, exciting and beautiful.

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WORLD PREMIERE - SWEDEN

program 8



DIVIDED Victor Lindkvist, Art Director, 2016

URL: <https://www.dropbox.com/s/0ldvaqt6w2h0k7h/Lindkvist.mp4?dl=0>

On Earth we live as one people, divided. In space we can live as one people, united.

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WORLD PREMIERE - SWEDEN
program 9



SAME SKY SAME UNIVERSE, Malin Seiboldt, Motion Graphics Designer, 2016

On every map you see outlines and borders. The world includes many different people with a diversity of colors, cultures and natures. Why do we have to have borders? Why can't we all be on the same page, why fight? Hopefully in space, everything and everyone is equal.

We are all the same.

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WHAT THEY BROUGHT BACK?, Wei Yang Hsu, Motion Graphics Designer, 2016

URL: <https://drive.google.com/open?id=0B0tW2CWXFaycNFF1Zm5ZYk05Uzg>

Since people started to explore space, we are going to go higher and farther.
However, the spirit and faith of those astronauts is the real thing they bring back to us.

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WORLD PREMIERE - UNITED STATES

program 11



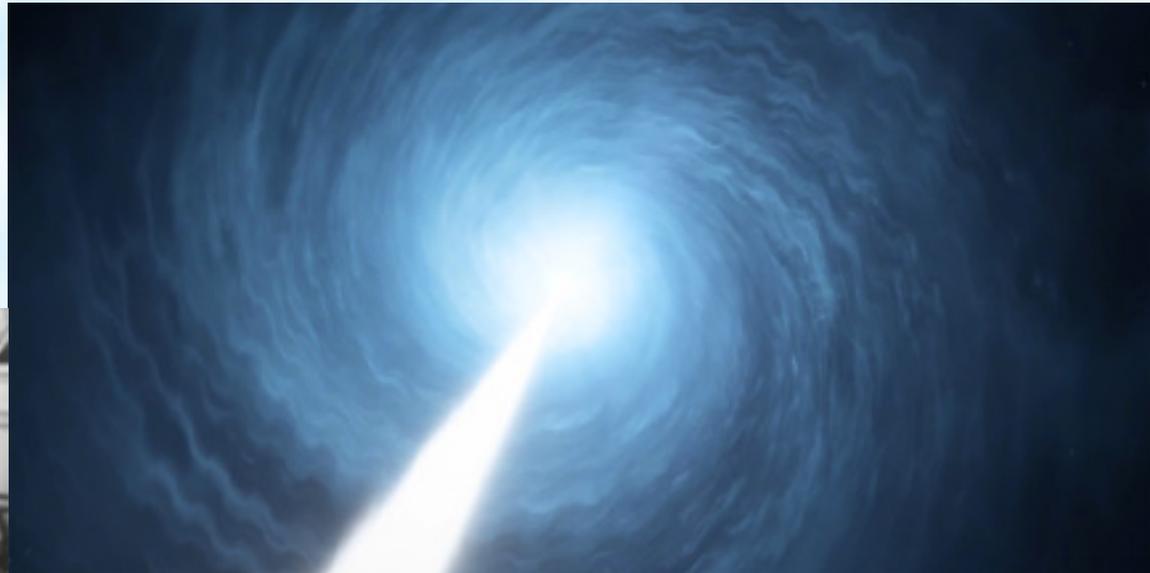
SPACE BEYOND BORDERS BUMPER, Kai Young, Motion Graphics Designer

URL: https://www.dropbox.com/s/z0vgo5a7wbmqr5/young_effects_final_v2.mov?dl=0

What might space exploration look like if it is distanced from notions of boundaries, borders and compartmentalization. This title sequence graphically explores a more fluid approach to discovery.

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DANCE IN THE LIGHT YEAR, Yan Hankai, Motion Graphics Designer, 2016

URL: <https://drive.google.com/open?id=0B6NmV8pKo-q7OTdPMEV2bzMxWWM>

I want to capture those fleeting poetics. Looking at stars through the blue air, are they dancing in flowing clouds? What will our world scene look like from their perspective? I chose electronic music mixed with traditional Chinese zither music.

I also add some low-resolution scenes from classic movies to show the contrast with the technology nowadays. I played around with the photos and videos with the bass. I imagined that I am observing a corner in this huge world from my eyes.

What if I can see beautiful curves twisting in the air? Special effects make the starlight clearly visible, so that we can see how amazing the galaxy is.

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WORLD PREMIERE - CHINA
program 13 



THE MOMENT, Nickole Liu, Motion Graphics Designer, 2016

URL: https://www.dropbox.com/s/oc7ydqi28mlbrw0/LIU_SPACE02_05.mov?dl=0

Weaving traditional cultural activities with the launch of satellites offers fascinating contrasts and juxtapositions for the audience to ponder. From views my hometown to the glory of our cultures, we enjoy traditional festivals along with festival of space science, engineering and the arts.

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BEYOND THE GREATNESS, wanggon kim, Motion Graphics Designer, 2016

URL: <https://drive.google.com/file/d/0B9svZJYFyuZpSmc1bDdrSzdFME0/view>

Dream-like and attractive sequences of space videos are montaged by this motion graphics design -- a work which produces beautiful scenery and shows the greatness of the universe.

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WORLD PREMIERE - MEXICO
program 16 ★



cwttch, Oscar M. Singh Jr., Graphic Designer, 2016

URL: <https://drive.google.com/file/d/0ByOM92YlgqTsekEyM1U1RVIBVFE/view?usp=sharing>

Humans interact with humans on a daily basis, when something else is added to that equation, it is not known exactly the reaction that will be experienced. Flight or fight, friend or foe, human or otherwise. One never knows intent until left to ponder.

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PRIVATE UNIVERSE Holly Argente, Art Director, Phillipines, 2016 TRT 5 minutes 3 seconds

URL: <https://youtu.be/bU3WzFYFzCg>

The Academy of Art University is a private university. Therefore, attending and having learned from this school, my video is called Private Universe. It is about part of the world seen in a different perspective. Highlighting a moment in history we often forget to remember, the mission that allowed us to take a small step for man, and a giant leap for mankind.

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WORLD PREMIERE - SWEDEN
program 18 



AS THE WORLD TURNS Lovisa Davidsson Motion Graphics Designer, 2016

A video montage celebrating the richness of culture and life on our home planet and beyond all as new frontier.

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DIVIDED AND UNITED BY AN INFINITY OF NOTHING Viktor Torbjörnsen, Motion Graphics Designer, 2016

URL: <https://drive.google.com/file/d/0B3JFq8Pe331gOU4ySEJ3bm5oMIU/view?usp=sharing>

We define ourselves through a belonging to a group of people or a language or maybe you define yourself through invisible borders made by people. Or perhaps, there are borders and boundaries created by something, greater than ourselves, whether it is quantum physics, religion, or one's soul that creates a space in which we discover ourselves.

Borders and boundaries are ways for humanity to understand and manage what we can't explain or what we do not dare to accept; but, if we take a harder look, from another perspective and see our world as a floating sphere, the 'Overview Effect' - we see that place as divided and united by an infinity of nothing - we are really all the same entity existing as planet, as star, as galaxy, as universe.

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WORLD PREMIERE - TAIWAN
program 20 



REFLECTIONS OF OUTER SPACE Tracy Wang, Motion Graphics Designer, 2016

URL: <https://drive.google.com/open?id=0B0K7FUWgcVhZWl6VTFrby1KSTQ>

In this video, I'm going to present the reflection of space and earth. As many know, space doesn't have borders and Earth is rounded, so it doesn't have a border either.

The form of our home planet is shaped without borders just like other things found in space like the formation of stars, they all have a certain connection. Stars do not have defined borders.

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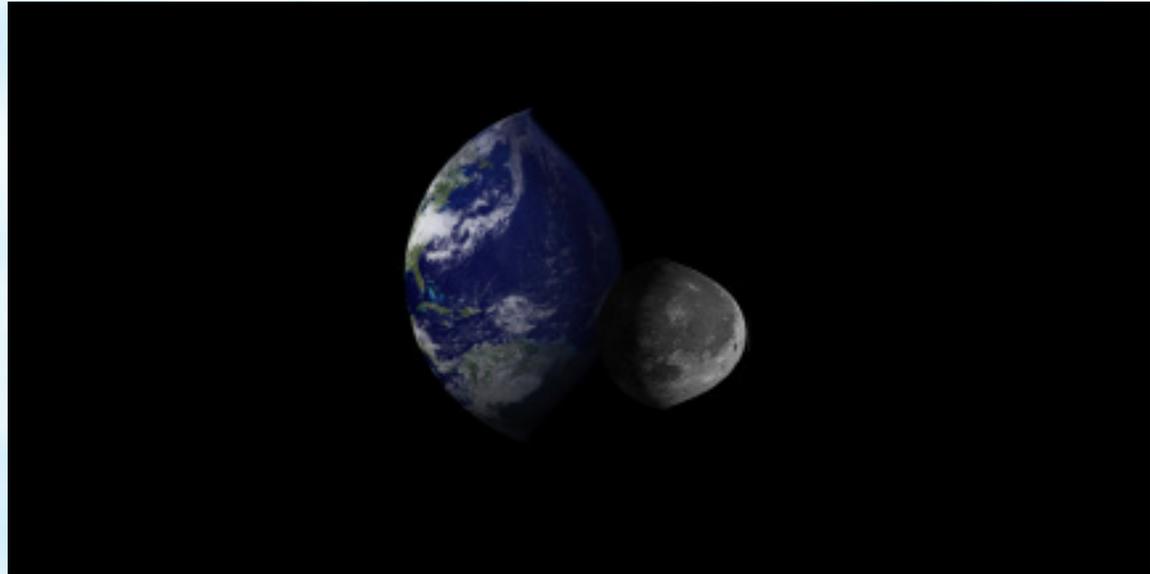


SNOW NO BOUNDS, Jessie Grounds (Aka Jay Stewart), Art Director, 2016

This video ponders, in an explorative and creative way, the wealth of information and imagery related to our polar ice caps that is available to all of us as a gift from our space scientists and engineers.

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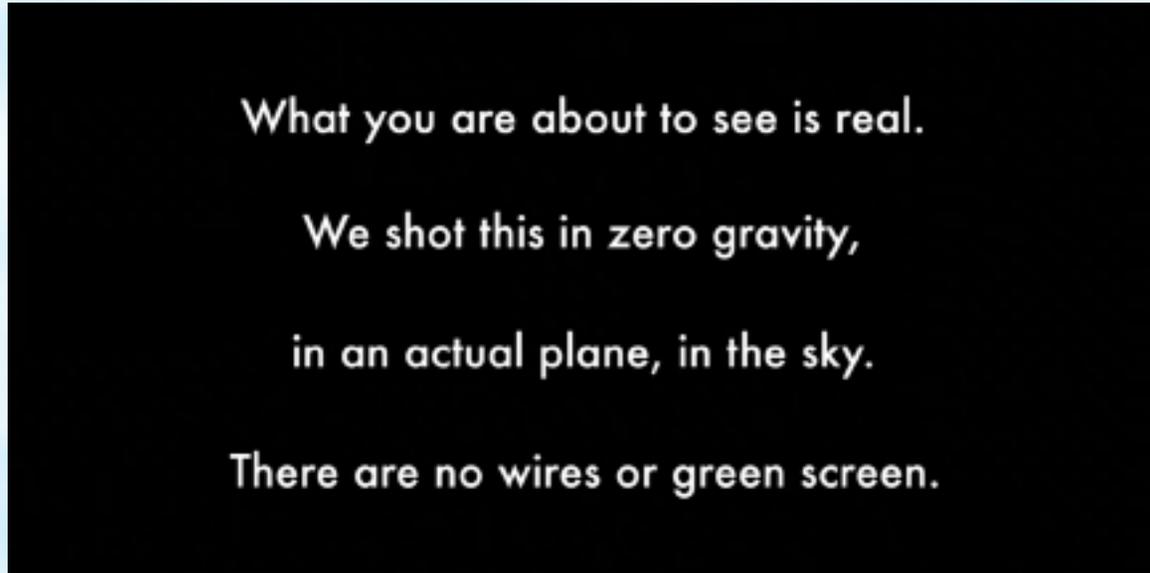
SPACE WITHOUT BORDERS, Antonio Solano, 2016

URL: xxxxx

Fascinating video exploring space beyond borders, discovering and learnign about space scinece, while learning motion graphics using Adobe After Effects software in our Web Design New Media, Motion Graphics Course at the Academy of Art University in San Francisco.

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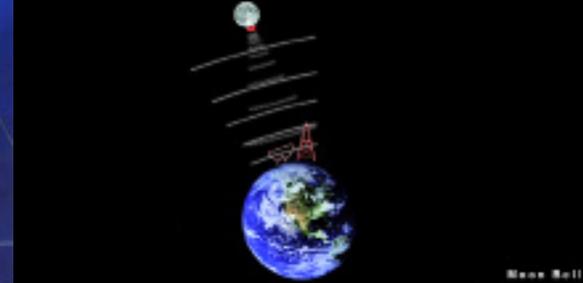
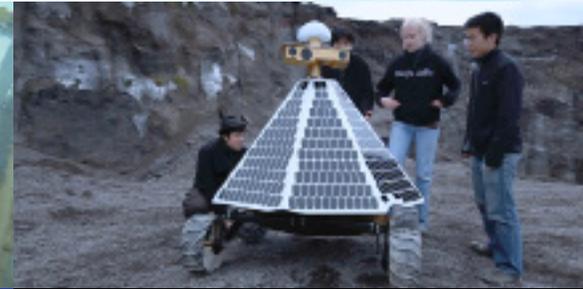
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OK GO - UPSIDE DOWN & INSIDE OUT, Damian Kulash, Tim Nordwind, Dan Konopka and Andy Ross, Creator, 2016
URL: <https://www.facebook.com/okgo/videos/10153210535420683/?pnref=story>

Los Angeles bandmembers Damian Kulash, Tim Nordwind, Dan Konopka and Andy Ross learned much for early space artists like Kitsou Dubois as we watch this latest video from this amazing group of artists who formed as a quartet in Chicago in 1998 moving shortly to Los Angeles. OK Go continues to fearlessly dream and build new worlds in a time when creative boundaries have all but dissolved in the spirit of the ISDC2016 theme Space Beyond Borders.

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MOON ARTS PROJECT, Lowry Burgess, Creator, 2008

URL: <https://vimeo.com/24295546>

LOWRY BURGESS - MOON ARTS PROJECT

Jonathan Minard and Michael Pisano, Producers

The Moon Arts project began in 2008 when Astrobotic, a Pittsburgh robotics company, called for a meeting with Dean Robinson of the College of Fine Arts at Carnegie Mellon. As a result, a sculpture will be shuttled to the moon from Cape Kennedy in 2018 on an Astrobotic Robotic Lunar mission aboard a Space X Falcon 9 rocket, and exist there for potentially billions of years.

It contains elements representing all the Arts and Humanities (art, architecture, design, music, drama, ballet, and poetry) –all engaging the most advanced sciences, engineering, technologies, and material science—from the nano- and micro- scales, to the infinite scales including ever ongoing deep space radio-wave transmissions.

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ZGAC SPECIAL FEATURE - AUSTRALIA
program 26



WE ARE ALL EXPLORER FISH Dr. Sarah Jane Pell, Writer, Director, Producer 2016

URL: <https://vimeo.com/157705961>

URL: <http://www.explorefishmovie.com>

Co-commissioned by Trondheim Electronic Arts Centre for the Trondheim Biennale for Art and Technology 'Meta.Morf 2016 - Nice to be in orbit!' 2016.

Gripped by an obsession for Earthly connection, Amulet the first human born in low Earth orbit, agrees to work on the new Mars outpost. If she survives, others will follow and she will not be alone.

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GREETINGS' EARTHINGS Deborah Kelly and Christian J. Heinrich, Creators, 2016

URL: <https://vimeo.com/11854170>

This collaboration between Deborah Kelly and Christian J Heinrich offers a one-minute long video artwork made to be sent into deep space as a message to our future friends.

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L'ART DE VOLER, The Art of Flying, Kitsou Dubois, Creator

URL: http://www.lemonde.fr/culture/visuel/2016/03/14/l-art-de-voler_4882430_3246.html

During the creation of the show "Attractions Plurielles", Kitsou Dubois, the "weightless choreographer" tells the singular approach she follows for 25 years : mix scientific research and artistic work about the body in microgravity. Art of Flying is the video diary of this creation. For Kitsou, time is come to pass on. This interactive web documentary proposes to live this weightless sensation.

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ZGAC SPECIAL FEATURE - JAPAN program 29



HITEN Project1&2 photo by JAXA©2009

HITEN project1. danced parabolic flight by two dancers (Huang Kai, Motoko Hirayama).

HITEN project2. danced on the International Space Station by an astronaut, Dr. Koichi Wakata, in 2009.

HITEN project3. danced on the International Space Station by an astronaut, Ms. Naoko Yamazaki, in 2010.



HITEN, Ishiguro Setsuko, Creator

Motions of human beings on the earth are completely governed by gravity. For the people who have watched astronauts floating in space, such scenes are surprisingly refreshing released from the constrictions of gravity, human motions produce beauty that has not ever seen before. HITEN are regarded as celestial beings who fly through the air to praise Buddha's dignity and guard his world. More specifically, they rejoice over Buddha's doings by performing music, showering flowers and wafting incense as they fly through the air. HITEN- the flying deities- in the Buddhist tradition have their origins in Europe, through (Silk Road) India from where they were brought to China and Japan.. The most beautiful images of them are found in the grottoes of Dunhuang (China). This dance focuses on Dunhuang cave art and analyzes the physical characteristics and dance postures of these figures of HITEN. Moreover, depictions of HITEN in Japan are considered, in particular those of the murals from the Horyuji Golden Hall-oldest wooden temple in the world. From these research, I could find effective movements in zero gravity and bending backward and triangle posture (Zazen) as 'HITEN' is one of the artistic rules in zero gravity.

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password: cupertino



MATTERS OF GRAVITY, Nahum, Ale de la Puente, Creator, 2016

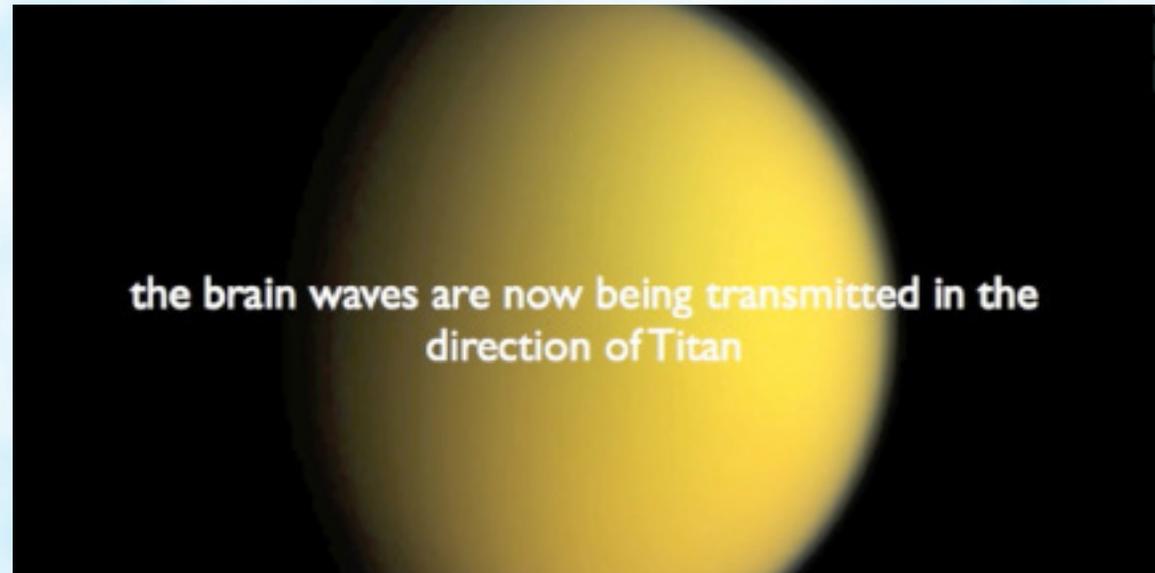
URL: <https://vimeo.com/122367017> password: cupertino

Zero Gravity: A silent question. When we are born we pass in an instant from the dark to the light, from weightlessness to heaviness; here is our first contact with life. In dreams we remember this primitive state of lightness and so we dream of flying. Our planet and its life are molded by gravity and yet this force is the weakest in the universe. We find its mysterious presence in our bodies, in our language and we fight against it to grow and to reach the stars. Matters of Gravity (La Gravedad de los Asuntos) highlights the fundamental principles of humankind. With a lightness to be able to fly together, but with a gravity that inevitably makes us fall again. Every one of us, here on Earth, is attached to a force that goes beyond all comprehension but not beyond our lives. Two years of reflection and a few seconds in zero gravity were the origins of a series of artist works that have been completed at the Yuri Gagarin Cosmonaut Training Centre in Star City, Russia. There, on board the iconic Ilyushin 76 MDK, 9 artists and 1 scientist from Mexico were subject to an environment of weightlessness. A few seconds were enough to experience eternity, to tell a story, to break a paradigm, to liberate a molecule, to have an illusion, to experience movement without references, to create poetry out of falling bodies, to make the useless become useful and to search for the impossible embrace.

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COGITO Daniela de Paulis, Creator, 2014

URL: <https://vimeo.com/133392862>

'COGITO is the recording of a live performance presented as part of the Design Biennale in Ljubljana in November 2014, during which brain waves of people visiting the exhibition were sent into space as a beacon transmission lasting one hour, using the Dwingeloo Radio Telescope in The Netherlands'

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SELECTED NEBULAE Samuel Pellman and Miranda Raimondi, Creators

NGC 6357 URL: <https://vimeo.com/album/241250/video/9141905>

URL: <https://vimeo.com/album/241250>

Selected Nebulae consists of a suite of short pieces inspired by images taken of nebulae in deep space by the orbiting “Great Observatories” (Hubble, Spitzer, Chandra, and Compton). The technology of the space age has been accompanied by the development of digital technology that has made it possible for artists to depict the unusual conditions and environments that our exploration of space has revealed to us. These short pieces have been composed for virtual instruments that have been carefully tuned according to the ageless, simple-ratio arithmetic of just intonation. The processes for synthesizing the sound have also been closely linked to those for generating the video animation, with the result becoming a form of visual music. The artists have also explored algorithmic processes with the computer to assist with the design of sonic textures that can be reminiscent of the richness and ethereality of the serene and immense objects featured in the Great Observatory photography.

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35th International Space Development Conference ARTS, HUMANITIES AND CULTURE IN SPACE TRACK

ZGAC SPECIAL FEATURE - UNITED STATES
program 33



WORLD PREMIERE:

A Cosmic Antiphony, created by a team from the United States with music co-created by the Deep Space Signaling Group (DSSG), at the STUDIO for Creative Inquiry, Carnegie Mellon University and Celestine Star of Golden Star Productions, the Zero Gravity Arts Consortium, Space Generation Advisory Council and Yuri's Night Bay area organization. The message from the International Space Station (ISS) was facilitated by NASA's Johnson Space Center and NASA Ames Research Center.

Frank Pietronigro, Concept Artist, Art Director
Lowry Burgess, Music Director
Celestine Star Project Manger and Video Editor



I SEE THE EARTH Arts, Humanities and Culture in Space Exploration Collaboration

URL: <https://youtu.be/UTTzcUEqTG8>

Celebrating NASA's 50th Anniversary with Commander Peggy Whitson and Crew-member Garret Reisman, 16th Expedition of the International Space Station

In memory of Yuri Gagarin, the first human to gaze upon our earth in it's entirety from space. His words, "I see the earth and the earth is beautiful" are the first words spoken from space in Russian.



At 8:22 pm PST, as the International Space Station appeared in the sky overhead, raising to about 55 degrees, more than halfway to the zenith above the Northeastern horizon over NASA Ames Research Center and Yuri's Night festivities 220 miles below, at 8:25 pm, shining at the magnitude of -2.2 , bright enough to see with the naked eye. The ISS arced then faded from view low on the Southeast sky at about 8:27 pm. Delivering a powerful 'Unifying Moment in the history of mankind as 15,000 people enjoyed I See The Earth showing simultaneously on all stage screens. I See The Earth, was a call to the participants of Yuri's Night Bay Area 2008, held at NASA Ames Research Center, Moffet Field, CA on April 12, 2008 and to all the hundreds of Yuri's Night 2008 participants celebrating around the world to participate in a "Unifying Moment" honoring Soviet cosmonaut, Yuri Gargarin.



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YURI'S NIGHT BAY AREA 2007 REMIX II, Celestine Star, VJMain Stage, 2007

URL: <https://youtu.be/vM-SggXNlbs>

Yuir's Night Bay Area Night 2007 Mix 2 is a copulation of the Yuir's Night Bay Area Party 2007 taking place inside the humongous Hangar 211 at Moffett Field, April 13, 2007, celebrating the first human in space, soviet cosmonaut Yuri Gagarin.

YNBA 07 presents interviews with Pete Warden, Director of NASA Ames and Anosheh Ansari, the first privately-funded female space explorer, along with exhibits, robot demonstrations, highlights of the festival and video montage of space imaging created for the main stage by Visual Artists Celestine Star and Kosho, Golden Star Productions with Frank Pietronigro, founder Zero Gravity Arts Consortium, as Artistic Director.

Yuri's Night Bay Area 2007 Mix 2 is a Golden Star Productions, Zero Gravity Arts Consortium, NASA Ames, Carnegie Mellon University, Symbiosis, collaboration. in real time for Center Stage.

Music:

Red Buddha - Bororo's Dance

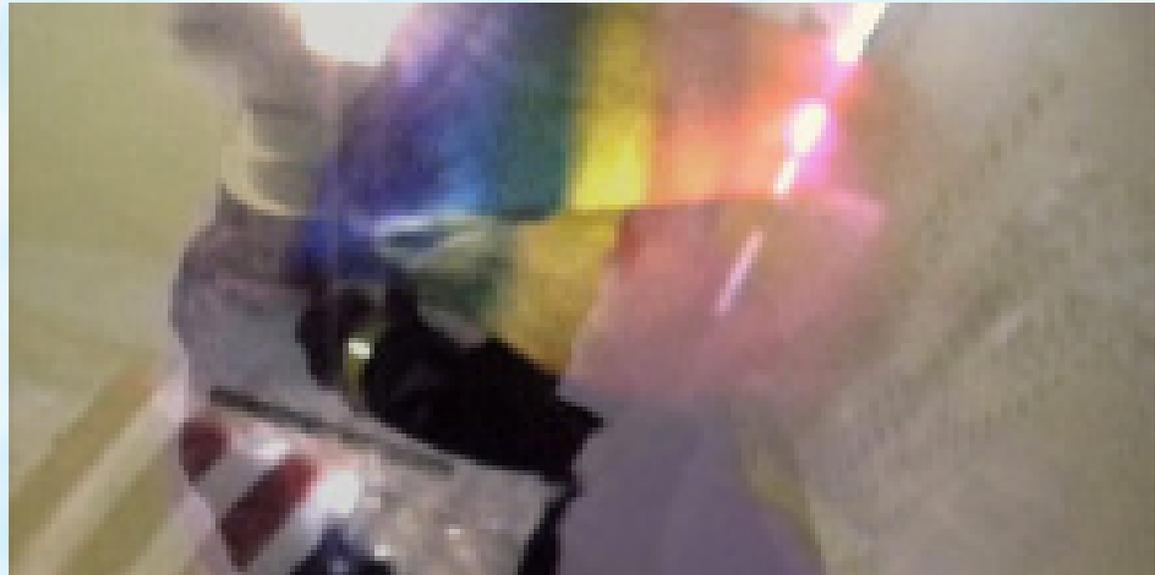
Red Buddha - Evening Celebration



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THE ART OF FLAGGING Frank Pietronigro, Creator, 2015

URL: <https://youtu.be/YHLRTr2RY28>

This video is presented in honor of all those who contribute their energy to keeping the art of 'flagging' and 'fan-dancing' alive. It's a joy to experience all the dancers in the AIDS Memorial Grove during Flagging In The Park. Celebrating authentic cultural production originating with the in the Lesbian, Gay, Bi-Sexual, Transgender, Questioning Communities, our track chair is shown dancing in zero gravity with two flags, hand sown by Gilbert Baker the creator of the 'rainbow' flag. Frank dances in zero gravity with both flags while celebrating in weightless space. On the ground in San Francisco's Golden Gate Park, at Flagging In The Park, we celebrate in another space beyond borders during open-air public space dances.

Videos from Frank Pietronigro's two parabolic flights in zero gravity, combine with footage from 1980-2000+ we see for the first time, montages of the artists' 'Microgravity Mobiles', the Seed of the Infinite Absolute, a collaboration with Lowry Burgess. Lowry's work is a distinctive work; but, you will see his 'seed' as flown and filmed by Frank while floating in zero gravity in 2008. Most of the video was recorded during ZGAC: SKYSTUDIO flown during ISDC2006.

Some of the original video footage is courtesy of NASA with SKYSTUDIO flown with Zero Gravity Corporation.



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35th International Space Development Conference ARTS, HUMANITIES AND CULTURE IN SPACE TRACK

SPACE BEYOND BORDERS: LINKS

ARTS, HUMANITIES AND CULTURE IN SPACE EXPLORATION ORGANIZATIONS +

INTERNEATIONAL ORGANIZATIONS

ESA TOPICAL TEAM: ARTS & SCIENCE [ETTAS]

The ESA Topical Team Arts & Science [ETTAS] was established in 2011 to develop cooperation between the arts, sciences and ESA. Our mission it to foster and expand the human and cultural aspects of space exploration, and offer a means of communication with a reach beyond traditional space-related channels. The ETTAS project gallery shows a range of exemplary projects and artworks which have been implemented by space agencies (ESA, NASA, JAXA, NPO Energia / Roscosmos and CPK I Jurija A. Gagarina) or within a techno–scientific framework (National Science Foundation, Swiss Air Force, South African National Antarctic Program, International Polar Year). These outcomes and art pieces provide insight both into the kind of results an ESA Art Initiative could provide, as well as the working modes established between the respective artists and the cooperating agencies. This website communicates a range of prior art, new possibilities and makes recommendations towards a formal ESA Arts Initiative (EAI).

URL: <http://www.esaartscience.com>

IAAA

The International Astronautical Association From these pioneering astronomical artists (unlike their colleagues in science fiction and fantasy, with whom they are sometimes confused by the uninitiated), a firm foundation of knowledge and research is the basis for each painting. Striving to accurately depict scenes that are at present beyond the range of human eyes, they communicate a binding dream of adventure and exploration as they focus on the final frontier—space. The objective of the IAAA, as a non-profit foundation, is to implement and participate in astronomical and space art projects, to promote education about astronomical art and to foster international cooperation in artistic work inspired by the exploration of the universe.

URL: <http://iaaa.org>

ITACCUS

The Committee for the Cultural Utilization of Space (ITACCUS) seeks to promote and facilitate the innovative utilization of space (data, systems, applications) by organizations in the cultural sectors of society internationally, including all areas of the arts and humanities, including the fine arts, entertainment, popular culture and tourism. In a cultural context, it may include cultural production, cultural preservation, cultural representation, cultural education and cultural development.

URL: <http://www.iafastro.org/comites/committee-for-the-cultural-utilisation-of-space-itaccus/>

URL: www.facebook.com/IAFspaceculture/



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SPACE BEYOND BORDERS: LINKS

ARTS, HUMANITIES AND CULTURE IN SPACE EXPLORATION ORGANIZATIONS +

INTERNATIONAL ORGANIZATIONS

LEONARDO OLATS: SPACE AND THE ARTS

The French branch of Leonardo/Isast (the International Society for the Arts, Science and Technology) and the Foundation - a non-profit cultural and astronautical organization based in Switzerland have embarked on an ambitious project to comprehensively document this vast and new genre of space art.

URL: <http://www.olats.org/space/space.php>

SPACEARTS – THE SPACE ART DATABASE

In the past century a new and highly diverse genre of art has emerged - Space Art. Artists have been at the forefront of space exploration since its very beginning. Their works of imagination have stimulated and catalyzed a new human endeavor. Works of art and literature about space have both anticipated and stimulated space development while exploring destinations and technological concepts that were often too dangerous, too distant or too advanced for the science and technology of the moment. Artists have worked closely with space scientists and engineers to help them to visualize and develop their scientific and technological concepts making the dream of space exploration a reality. Science Fiction literature with a space theme combined with cinematography has since become one of the most popular and financially successful art forms of all time. As such it stimulates the public's fascination with space exploration and likewise has a positive influence on maintaining the public's support for further space development. Today, a new breed of contemporary artists have initiated projects to explore outer space on their own terms by realizing their art beyond Earth or with their own bodies in weightlessness. The goal of "Spacearts - the Space Art Database" is to document this important and exciting art form and to make it be publicly accessible on this website.

URL: <http://spacearts.info/en/info/index.php>

ZGAC

A international arts, humanities and culture in space organization dedicated to fostering greater access for artists to space flight technology and zero gravity through the creation of international partnerships with space explorers, arts organizations, corporations and leading universities.

URL: <http://www.zgac.org>



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ARTS, HUMANITIES AND CULTURE IN SPACE EXPLORATION ORGANIZATIONS +

INTERNEATIONAL ORGANIZATIONS

AUSTRALIA

PRELUDE FOR CELLO AND THREE VIOLINS

Dr. Ioannis MICHALOUDIS (Michalous)

On a cellist shadow the projection of outer space images becomes body parts.

URL: <http://michalous.com>

FRANCE

@RTS OUTSIDERES FESTIVAL 2003

SPACE ART

Jean-Luc Soret, Curator

Maison Europeenne de la Photographie, Ville de Paris

Le Festival @rt Outsiders défie cette année les lois de la pesanteur et présente des installations, des films, des conférences en relation avec l'espace. Ces œuvres audacieuses, originales, poétiques ou engagées illustrent une véritable épopée, celle de la conquête spatiale de l'imaginaire à laquelle

nous convient ces artistes du troisième type.

URL: http://art-outsiders.net/archive_2003/index.html



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SPACE BEYOND BORDERS: LINKS

ARTS, HUMANITIES AND CULTURE IN SPACE EXPLORATION ORGANIZATIONS +

INTERNEATIONAL ORGANIZATIONS

FRANCE

ART TECHNOLOGIES

Richard Clar

Creator

Richard Clar, a Los Angeles/Paris new media interdisciplinary artist, founded Art Technologies in 1987 as a liaison between the worlds of art and technology. His philosophically-oriented artwork turned towards art-in-space in 1982 with a NASA-approved art payload for the U.S. Space Shuttle. Richard Clar's current work encompasses site-specific environmental issues ranging from orbital debris to water-management on Earth; war and peace; and the Search for Extraterrestrial Intelligence (SETI).

URL: <http://www.arttechnologies.com>

JAPAN

AYAKO ONO

[Space Musical Instruments - Cosmical Seeds - to the ISS]

Cosmical Seeds are a pair of musical instrument suitable for weightlessness and were selected as a theme of Cultural and Artistic Utilization of the Japan's module of the International Space Station (ISS/Kibo) by Japan Aerospace Exploration Agency (JAXA). A metal artist, So Negishi and Ayako Ono developed the musical instruments together since 2009. On October 31st, the instruments were successfully launched, and an American astronaut, Dr. Donard R Pettite treats and plays them on February 20th, 2012. Two pieces of music will be background music as a kind of collaboration. One is the special edition for the instruments, named "Dream Starts" composed by an artist, Jaakko Saari; and another is two mins edition of "Kiyoraka na sora" composed by an acclaimed pianist, Akira Takahashi.

URL: http://www.extreme-design.eu/spaceart/ayakoono/main_e.html



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ARTS, HUMANITIES AND CULTURE IN SPACE TRACK

SPACE BEYOND BORDERS: LINKS

ARTS, HUMANITIES AND CULTURE IN SPACE EXPLORATION ORGANIZATIONS +

INTERNEATIONAL ORGANIZATIONS

THE NETHERLANDS

V2_

V2_, Institute for the Unstable Media is an interdisciplinary center for art and media technology in Rotterdam (the Netherlands). V2_ presents, produces, archives and publishes research at the interface of art, technology and society. Founded in 1981, V2_ offers a platform for artists, designers, scientists, researchers, theorists, and developers of software and hardware from various disciplines to discuss their work and share their findings. In V2_'s view, art and design play an essential role in the social embedding of technological developments. V2_ creates a context in which issues regarding the social impact of technology are explored through critical dialogue, artistic reflection and practice-oriented research.

URL: <http://v2.nl/organization>

EUROPEAN SPACE AGENCY ESA - VIDEO FOR PROFESSIONALS

URL: http://www.esa.int/esatv/Videos_for_Professionals



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SPACE BEYOND BORDERS: LINKS
ARTS, HUMANITIES AND CULTURE IN SPACE EXPLORATION ORGANIZATIONS +

INTERNEATIONAL ORGANIZATIONS

MEXICO

THE ARTS CATALYST: KOSMICA

KOSMICA has earned an international reputation as the most original gatherings about outer space bringing together those interested in sharing cultural ideas about us and the universe. Each event is unique: bringing together the cosmically curious and culturally quirky space community for a social mix of art–space programs - a film screening, performance or live concert with a short presentation, talk and debate about alternative and cultural uses of space.

KOSMICA has presented over 100 artists and space explorers in more than 20 sessions in the UK, France, Belgium and Mexico. Some of the popular topics of KOSMICA include the history of alcohol in space, sex in zero gravity, nostalgia for the Earth and women in space. This series is under the direction of the artist Nahum in association with The Arts Catalyst and it is endorsed by ITACCUS, the International Astronautical Federation’s Committee on the Cultural Utilization of Space.

URL: <http://artscatalyst.org/search/site/kosmica>

www.facebook.com/KosmicaSeries/

SWITZERLAND

Maison d’Ailleurs - A Unique Collection

Pierre Versins was born in Avignon in 1923. Following his deportation to an extermination camp during World War II, he emigrates in Switzerland in 1952. Convalescent, he falls in love with a new and successful literary genre: science fiction. In 1957, he founds a Club called “Futopia” and starts to publish the magazine Ailleurs, which can be translated as “Elsewhere”. Patiently, he collects an incredible amount of books and objects on the topic.

URL: <http://www.ailleurs.ch/en/>



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ARTS, HUMANITIES AND CULTURE IN SPACE TRACK**

SPACE BEYOND BORDERS: LINKS

ARTS, HUMANITIES AND CULTURE IN SPACE EXPLORATION ORGANIZATIONS +

INTERNATIONAL ORGANIZATIONS

SWITZERLAND

COSMIC DANCER: A Space Art Intervention

Arthur Woods

Creator

On May 22, 1993, an artwork that was conceived, realized and launched as a declared, authorized and scientifically-reasoned "space art project," lifted off for its flight to the Russian Mir space station on a Soyuz launcher. A few days later this artwork called the Cosmic Dancer created by the Swiss-American artist Arthur Woods, became a part of the living space of the cosmonauts aboard the Mir space station in Earth orbit. In September 1992, a proposal to launch a Cosmic Dancer to the Russian Mir space station was submitted to NPO Energia via their partner Kayser-Threde GmbH located in Munich, Germany. In November of that year, a "Letter of Intent" was signed and negotiations for the launch date, the price and the determination of the technical specifications commenced. In December 1992, a contract was signed with Kayser-Threde GmbH to launch the artwork to the Mir space station on a Progress supply vehicle with launch opportunities in March or May of 1993.

URL: <https://www.youtube.com/watch?v=-RsBoftdVLc>

UNITED KINGDOM

ARTS CATALYST

MIR FLIGHT 001

In September 2001, the Arts Catalyst took a group of London and Russian artists, scientists and philosophers to Star City, Russia, to undertake projects in zero gravity, utilizing the Gagarin Cosmonaut Training Centre's parabolic flight program.

URL: <http://www.artscatalyst.org/mir-flight-001>



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SPACE BEYOND BORDERS: LINKS

ARTS, HUMANITIES AND CULTURE IN SPACE EXPLORATION ORGANIZATIONS +

INTERNATIONAL ORGANIZATIONS

UNITED KINGDOM

TATE IN SPACE

Susan Collins

Creator

In order to fulfill their mission to extend access to British and International modern and contemporary art, the Tate Trustees have been considering for some time how they could find new dimensions to Tate's work. They have therefore determined that the next Tate site should be in space. At this stage a number of practical aspects of the project are being tested and an early pre-opening program is being taken forward. This will clearly continue the Tate tradition of innovation and exploration, and provide a radical new location for the display of the Collection and for educational projects. We are very pleased to announce the launch online of our Tate in Space program.

URL: <http://www2.tate.org.uk/space/>

UNITED STATES

NASA ArtSpace

NASA ArtSpace features creative works and resources that serve to inform and inspire the process of exploration and discovery through the convergence of science, art and technology.

URL: <http://www.nasa.gov/connect/artspace/>

NASA All Downloadable Videos

URL: <http://www.nasa.gov/multimedia/downloadable-video-page/#.Vz6qoXjSb9o>



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SPACE BEYOND BORDERS: LINKS

ARTS, HUMANITIES AND CULTURE IN SPACE EXPLORATION ORGANIZATIONS +

INTERNEATIONAL ORGANIZATIONS

UNITED STATES

FREE ENTERPRISE

The Art of Citizen Space Exploration

Tyler Stallings and Marko Peljhan, Curators

UCR ARTSblock with curators, Tyler Stallings and Marko Peljhan, presented the first contemporary art exhibition in the U.S. to present an international array of artists and organizations who are exploring the potential democratization of space exploration and the intersection between artistic production and civilian space travel. The possibility of fulfilling the human dream to fly into space has been encouraged by a major political and cultural shift away from state-sponsored space activities—which were controlled by agencies such as NASA in the USA, JAXA in Japan and RKA in Russia—towards a private enterprise model. This 2013 exhibition was presented at the California Museum of Photography, Sweeney Gallery, Culver Center of the Arts in Riverside, California.

URL: <http://sites.artsblock.ucr.edu/free-enterprise/>

TALES FROM SPACE

Chiara Passa

Creator

"Tales from Space" is a generative video installation that develops in a hollow space or under a dome. The viewer is surrounded by the projections and listens to short sentences about the concept of super-space. The words, generating a barrage of random points, blacks holes, micro-flash-dimensions and macro shapes of light that intersect each other; envelope themselves, double back, widen and shrink, depending on the spectrum modulation of the sound narrative that is based on the concept of quantum mechanics.

URL: Demo video extract: <http://www.chiarapassa.it/videoenglish.html>



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Program Content Link: 39

YNBA2008 - ZGAC STEAM SCREEN SPACE ARTS TRACK PROGRAM

URL:

<http://www.pietronigro.com/wp-content/uploads/2016/04/2008-Yuris-Night-Bay-Area-S.T.E.A.M.-SCREEN-Space-Arts-Program-Frank-Pietronigro-Curator.pdf>

Program Video Link: 36

URL: https://www.youtube.com/watch?v=VvzEY60z5_I

ZGAC STEAM SCREEN 2008 PRESENTS

FRANK PIETRONIGRO LIVE FROM YURI'S NIGHT BAY AREA 2008

Frank Pietronigro

Creator

Featuring Frank Pietronigro at the ZGAC STEAM SCREEN arts, humanities and culture in space exploration twelve hours documentary program presented at Yuri's Night Bay Area 2008 held at NASA Ames Research Center. This artist discusses then shows his 1998 space arts work Research Project Number 33: Investigating the Creative Process in a Microgravity Environment. Developed as a part of NASA's Reduced Gravity Student Flight Program and created in collaboration with the San Francisco Art Institute, the Texas and California Space Grant Consortia this project shows the artist's body floated within a three-dimensional painting that he created in zero gravity aboard NASA's KC135 turbojet. Frank called his zero gravity art 'Drift Paintings.'

Original Video Footage Courtesy of NASA - NASA Space Artist Feature

URL: http://www.nasa.gov/connect/artspace/creative_works/feature-frank-pietronigro.html



LINK TO

YURI'S NIGHT BAY AREA 2008



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LINKED IN:

<http://www.linkedin.com/pub/frank-pietronigro/3/96/93a>

NASA Zero Gravity Artist Feature

http://www.nasa.gov/connect/artspace/creative_works/feature-frank-pietronigro.html

I am artist, author and new media professor and serve the space arts and sciences communities as Chair for the Arts, Humanities and Culture in Space Track for National Space Society's 35th and 36th International Space Development Conferences.

In my capacity as Professor, in the Web Design New Media School at the Academy of Art University in San Francisco, I guided two teams of international design students to produce amazing, fresh new videos for you to enjoy at ISDC2016 presented in the Explorations In Motion Graphics.

I am a member of the International Astronautical Federation's Technical Activities Committee for the Cultural Utilization of Space (ITTACUS). As lead artist and chief creator, my latest project Spacecast Chorus is in development with the concept introduced during the proceedings of the 64th International Astronautical Congress in Beijing, China in 2013.

I fostered ZGAC events and conferences during my Associate Fellowship at the STUDIO For Creative Inquiry, College of Fine Arts, Carnegie Mellon University from 2004 to 2010.

I also enjoy working as owner of Masterworks Multimedia a video and motion graphics production company located in San Francisco.





For more information visit: zgac.org

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Your time and consideration are appreciated.
We hope you enjoyed the artwork and are educated with
the information you find in the links.links.

ZGVC ZERO GRAVITY ARTS CONSORTIUM
STEAM SCREENINGS
FRIDAY NIGHT
MAY 20
MIRAMAR BALLROOM

Shreaton Hotel and Casino, San Juan, Puerto Rico