

fulldome **festival**²⁰¹³
ORNAMENTAL DANCES

29th May – 1st June 2013

www.fulldome-festival.de

PROGRAM

EDITORIAL

What's New, Up and Around?

How much longer will fulldome be seen as something wonderful, but largely inexplicable? Or is this the wrong question, since that mind-boggling, space-dissolving medium has already found its place in today's world, although many haven't noticed? In any case it's worth checking what's new, up and around in fulldome.

What's new for the 7th FullDome Festival at the Jena Zeiss-Planetarium: we owe a multitude of thanks to the international fulldome community for their generous sponsorship! As a token of our gratitude we opened the world's first "Fulldome Walk of Fame" in honor of the festival patrons. Please take your time to marvel at those stars placed on the floor of the Planetarium lobby.

And thanks a lot to all who contributed to our crowd funding campaign. Your support translates into material reward for the creativity and excellence of fulldome artists. More FullDome Awards than ever will be handed out in 2013, and the winners will be the first to take home a JANUS, a precious trophy symbolizing the art of looking around without turning your head. For those who have received, or expect to receive, an »Oscar«, JANUS will be a perfect companion to the collection.

As the doors of perception open wide along with the doors for the 7th FullDome Festival, we welcome fulldome experts and surround-media enthusiasts from near and far. We love to serve with a platform to watch, to explore, to gather, to talk, to assess and to have fun in 360 degrees. In the course of the festival questions may arise that were unheard of last year. If not all of them can be answered, come back for more next year.

The FullDome Festival Directors

CONTENT

INHALT

JURY	4
JURY	
PROFESSIONAL SHOWS	6
PROFESSIONELLE SHOWS	
CLIPS & SHORT FILMS	17
CLIPS & KURZFILME	
STUDENT CLIPS	27
STUDENTISCHE BEITRÄGE	
TALKS / PRESENTATIONS / WORKSHOPS	37
DISKUSSIONEN / VORTRÄGE / WORKSHOPS	
PROGRAM OVERVIEW	44
PROGRAMMÜBERSICHT	

JURY

TIM FLORIAN HORN



Producer, Climate and Earth Science Visualization at California Academy of Sciences, San Francisco

BIRGIT LEHMANN



Filmmaker, lecturer at HfG Offenbach, Offenbach University of Art and Design

PROF. KNUT FÖCKLER



Marketing and media expert with comprehensive operational experience in research, advertising and brand management. Furthermore, he has experience in the creation of film and TV productions as well as media convergence.

ANNA ÖST



Fulldome producer at the Visualization Center in Norrköping Sweden

DR. SANDRA BRIX



Fraunhofer Institute for Digital Media Technology IDMT. Head of Department Acoustics

MARIO DI MAGGIO



Manager, Thinktank Planetarium & Dome Club, Birmingham Science Museum

ANDREAS MASCHA



Management consultant, author and publisher. Interest in consciousness research, dance and intermediality, sometimes also on stage with a performance group



**PROFESSIONAL
FULL-LENGTH
FEATURE
SHOWS**

ANCIENT SKIES ANCIENT MYSTERIES

Evans & Sutherland

MAY 31
4:30 pm

The stars have been a source of mystery and wonder for people all around the world. Ancient cultures that lacked our current scientific understanding did their best to interpret and understand the movements and patterns of objects in the sky. By studying their observations, some cultures developed calendars; others predicted future events; and still others worshipped the magical objects in the sky. In this show we will look at these very different interpretations of astronomical cycles and events, and explore the Mayan prediction of the end of the world that they expected to occur on December 21, 2012. The show tells the story in light of the fact that the world did not end in December 2012.



CIRQUE DU SPHERE (ARTIST'S VERSION)

Planetarium Jena / Tobias Wiethoff

MAY 31
5:00 pm

Cirque du Sphere - a show from the Zeiss-Planetarium Jena. Shown in an artist's version - exclusively for the FullDome Festival!



CELL! CELL! CELL!

NSC Creative

JUNE 1
12:00 noon

You are made of 70 trillion living cells. They work. They talk. They think. They are what make you alive. This is the story of the trillions of cells that form our bodies, from our beginnings as a single cell to the complexity of a whole body; it's the story of who we are. Join Raj and Sooki on a totally ex-CELLent immersive journey. Get shrunk down by the Shrink-a-tron, go back in time with the Retroscope and see an exploded view of all the body systems courtesy of the Cell-o-tron.



COCOMONG METASPACE, Digital Creature

MAY 30
3:30 pm

Cocomong is very curious about space. But reading about space in books makes it seem so far away. That's when Halley, a friendly alien, drops in! Halley has come to Earth all the way from Titan in order to protect the last remaining Star Gem from the evil Virus King. If Halley wants to find the other Star Gems and rescue his parents, then he needs the help of Cocomong and his friends! However, Halley's home Titan is by Saturn which is really far away, even farther than Mars and Jupiter. Will they be able to make it all the way there safe and sound? "I guess we won't know until we go." So, let's get on the spaceship that Cocomong made and blast off!!

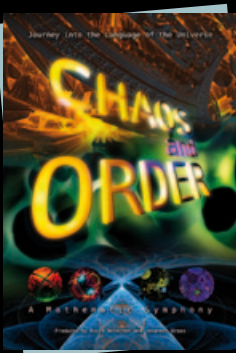


CHAOS AND ORDER - A MATHEMATIC SYMPHONY

Rocco Helmchen, Johannes Kraas

MAY 30
5:00 pm

Chaos and Order captivates audiences by taking them on a journey into a fascinating world of sensuous, ever-evolving images and symphonic-electronic music. Structured into four »movements« from geometric forms, algorithms, simulations to chaos theory this show explores breathtaking animated visuals of unprecedented beauty in the realm of maths. Experience the fundamental connection between reality and mathematics, as science and art are fused together in this immersive celebration of the one language of our universe.



DARK

iVEC@UWA

MAY 31
3:00 pm

DARK is a fulldome movie that explains and explores the nature of Dark Matter, the missing 80% of the mass of the Universe. The search for Dark Matter is the most pressing astrophysical problem of our time - the solution to which will help us understand why the Universe is as it is, where it came from, and how it has evolved over billions of years - the unimaginable depths of deep time, of which a human life is but a flickering instant.



DINOSAURS @ DUSK

Mirage3D

JUNE 1
4:30 pm

Dinosaurs at Dusk is a learning adventure of a father and his teenage daughter Lucy, who share a fascination for all things that fly. You'll travel back in time to meet the pterosaurs and the ancestors of modern-day birds: the feathered dinosaurs. Lucy and her father navigate from continent to continent, looking for clues about the origins of flight. When time runs out they experience first-hand the cataclysmic „last day“ of the dinosaurs. Science content includes topics such as continental drift, proper motion of stars, asteroids and impacts, extinctions and the convergent development of flight among species.



ENCOUNTER WITH EARTH

National Museum of Emerging Science and Innovation (Miraikan)

MAY 31
1:00 pm

A fusion of animation imagery that is popular to families with highly realistic dome imagery. One of the most noteworthy features of this program is that it provides a special experience of watching the Earth from an atomic-microscopic perspective to a macroscopic perspective (as seen by the naked eye), and a global perspective of the Earth overall from outer space. These three perspectives provide the opportunity to cultivate a scientific perspective to understand the relationship between humans and the Earth.



DREAM TO FLY

Copernicus Science Centre

JUNE 1
2:15 pm

A Dream to Fly is a poetic story about the history of aviation. The aim of the film is to present the development of aviation through the ages in an interesting and innovative way. Reach fulldome visuals, beautiful music composed for the show and a poetic narration makes this show an exceptional artwork. The message to viewers is to be open to new ideas and to pursue your dreams.

/ World Première /



ENERGY FOR LIFE

Fernando Jáuregui, Planetario de Pamplona

MAY 31
2:15 pm

Our civilization doesn't know how to do it without energy. We need it almost for everything. It's important to know this and to understand the sources of that energy and the consequences of its use and abuse.



EARTHQUAKE: EVIDENCE OF A RESTLESS PLANET

California Academy of Sciences

MAY 30
12:30 pm

A sweeping geological journey, Earthquake explores the forces that transform the surface of our planet. After a stunning flight over the San Andreas Fault, audiences travel back in time to experience San Francisco's infamous 1906 earthquake. Data-driven visualizations reveal how subtle motions and sudden ruptures have shaped our planet over eons - and how geological activity influences the course of human history. Finally, see how scientists and engineers help society prepare for a safer future.



ESCHER'S UNIVERSE

Parque de las Ciencias

MAY 31
3:30 pm

The fulldome show »Escher's Universe« is based on the life and work of the multifaceted Maurits Cornelis Escher. Was he an artist, an astronomer, a mathematician, a traveler? For the first time, we will see in the dome Escher's use of mathematics, astronomy, optics, crystallography and geometry to artistically explain very complex concepts addressed by Cosmology. This show will take us to the artist's studio. From this intimate and emotional place, we will visit Escher's particular universe and we will be surprised by his unique ability to join Science and Art.



LEO AND ART

Mariano Hernandez Rodilana

JUNE 1
1:00 pm

Leo is a boy who loves to spend hours in his room with his spaceships, daydreaming of being an astronaut and travel, as his idols did, to the moon. He never thought that something, that for him was so boring as Art, could become an incredible adventure that takes him from the giant bisons of Altamira caves, through the scientific genius of Leonardo, up to being able to identify the stars in a sky painted by Van Gogh. In this journey throughout the story of Art, he will have to confront Thundercloud, the fearsome shadow of an Egyptian pharaoh, who wants to make disappear all the world works of art.



MICROMONSTERS

Infinity Studios

MAY 31
12:30 pm

Micromonsters is a travel to the microscopic world to discover some of the invisible beings feeding on us and make us sick. Lice, fleas and mites, parasites such as bacteria and worms. All showed with cartoon style images.



LICHTMOND - UNIVERSE OF LIGHT

Planetarium Hamburg & bluphase.media

MAY 30
11:00 pm

Embark on a poetic trip through worlds of music and images – right to the birth of the second sun and the evolution of life on "Earth 2".
Eintauchen in eine andere Welt, in Landschaften, die sich aus Licht, Klang und Stimmen formen und uns einfangen mit ihrer Schönheit. Eine poetische Reise durch Musik- und Bildwelten – hin zur phantastischen Geburt der zweiten Sonne und der Entstehung des Lebens auf „Earth 2“. Erleben Sie eine unberührte Welt - schön und verzaubernd wie ein Gemälde!



MOONS: WORLDS OF MYSTERY

Charles Hayden Planetarium

MAY 30
2:15 pm

Moons: Worlds of Mystery immerses you in the amazing diversity of moons and the important roles they play in shaping our solar system. Follow in the footsteps of astronauts to our silvery Moon, then venture beyond to unfamiliar and exotic worlds. Journey to the outer planets and their moons, and return home with newfound wonder about the dynamic and intricate solar system in which we all live. Produced by the Museum of Science, Boston, this show features an original orchestral score.



THE LIFE OF TREES

Softmachine in coproduction with Ilusamedia/Senator/CAI/Zeiss gefördert durch FFF Bayern

JUNE 1
5:15 pm

Life of Trees was produced on the occasion of the Intl. Year of Forests of the United Nations. It shows the importance of plants for life on Earth, how trees grow, how they transport water against gravity to the top of the crown, how photosynthesis works and how trees have enabled diverse life on Earth by producing oxygen. The story is enjoyably presented by two quirky characters: Dolores, a ladybug, and Mike, a firefly. They are mates and present their classwork, a film about the Life of Trees.



SIX MIL ANTENNAS

SAT Society for the arts and technology

MAY 31
11:00 pm

SIX MIL ANTENNAS is a 360 degree immersive film that employs a range of visual and audio codes to bring a surrealist perspective to the forefront. Framing shifting communication processes in a fictional setting, the whimsical, open-ended work re-imagines different states of the world in a futuristic timeframe. Through a series of events, the piece alternates its tone between deconstructed gravity, aesthetic sensuality and satirical humor. Inserting filmed actors in faux designed landscapes, the film creates non-linear narratives of a personal, social and political nature and expresses a complex intertwining multiverse, in which the characters and abstract landscapes evolve.



SUPER VOLCANOES

Spitz Creative Media, Mirage3D and Thomas Lucas Productions, Inc.

JUNE 1
15:30 pm

Supervolcanoes is an immersive planetarium show that looks back at rare classes of eruptions that have marshaled the energy that lurks, like a sleeping dragon, beneath the surface of planet Earth. The program moves beyond Earth to explore the impact of giant volcanic eruptions around our solar system. Audiences will fly down to Neptune's frigid moon Triton, and onto the ultimate volcanic world: Jupiter's moon Io. On a visit to a legendary North American hot spot, Yellowstone National Park, the film asks: can a supervolcano erupt in our time?



TO SPACE & BACK

TO SPACE & BACK

Sky-Skan in association with the Franklin Institute

JUNE 1
15:00 pm

Space – our greatest adventure is having a big impact on your life. It's shrinking the world into a gadget that fits into the palm of your hand – but it doesn't stop there. This is the amazing story of how space exploration is now part of your everyday life. What's happening above is coming back down to Earth! Discover how space exploration is shaping your world...



THE LONGEST NIGHT

UNC Morehead Planetarium and Science Center

MAY 30
15:00 pm

»The Longest Night: A Winter's Tale« is a one-of-a-kind Full-dome planetarium show that captures its audience with a timeless fable of courage, generosity and renewal. Its story explores the concept that winter is a time for Earth to rest, waiting for new growth in the spring. Its star, a young girl born into a family of nomadic storytellers, embarks on a simple quest that leads her to a dragon's nest. What will she discover there, and how will it help her save her village?



VICTOR AND GARU

Ilusa Media

JUNE 1
12:30 pm

This production is an invitation to travel and aims to stimulate the urge to discover. It initiates youngsters into the wonderful world of travel, encourages friendship and the idea that we should work together in life and understand the needs of others. Victor and Garu is a film that will also appeal to parents and educators. It stimulates interest in geography with its range of locations. Natural sciences are shown in diverse phenomena. Even the names and dialogues of the characters pave the way towards literature and art. Finally our intrepid adventurers discover the effects they have had on the characters they meet.



THE NAVIGATOR OF OUTER SPACE

Point Du Jour - Totavision - Le PLUS, communauté urbaine de Dunkerque - RSA Cosmos

MAY 30
16:30 pm

The photographer Serge Brunier had taken an exclusive image of 800 million pixels, revealing the Milky Way in all its splendor, spanning the heavens through 360° from the North to the South Pole. Based on the photographer's travels under southern and northern skies, the film goes on a cosmic journey through space and time. A special film device with 11 HD cameras was developed for this film, making it possible to project real images full Dome in HD quality.



WE ARE ALIENS!

NSC Creative

MAY 30
1:00 pm

Earth. It's now a small world. The human race is connected better and faster than ever before but what about elsewhere? Could we one day be part of a galactic community sharing our knowledge and ideas? Or is Earth the only planet with life? From the creators of ASTRONAUT and We Are Astronomers, We Are Aliens! takes you on an epic ride in the hunt for the evidence of alien life. We Are Aliens! narrated by Rupert Grint is an epic new 360° Full-dome digital planetarium show produced by NSC Creative.





**CLIPS &
SHORT FILMS**



AN.TA.LU Planetarium Armed Forces

On the January 18, 653 BC the Moon stood gloomed in the skies of ancient Babylon. The King Shamash-shum-ukin prayed to goddess Zarpanitu asking her to protect him and his country from omened disasters. This clip is an attempt of reconstruction of the real astronomical event in a form of fulldome music visualization.

EARTH IS OUR HOME 3D/VR Department of Foundation of the Hellenic World

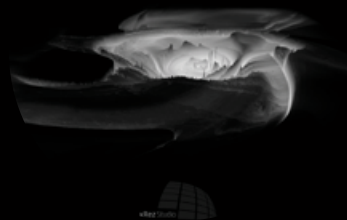
The 3D digital movie of the Foundation of the Hellenic World „Earth is our home!“ is presented at the „Tholos“, the Virtual Reality theatre of Hellenic Cosmos. This new production approaches with responsibility the extremely important issues of the environment and its protection. With exceptional liveliness and impressive 3D graphics the environmental problem of the planet is presented. At the same time, everyday methods for dealing with this problem are proposed, which have to do with energy conservation, for example renewable sources and recycling. The leading characters of the film are a polar bear and a fish, which in their turn are influenced by our attitude towards the environment, even endangering their very survival.



CARBON-X Eric Hanson, xRez Studio

Carbon-X is a experimental collaboration of xRez Studio's Eric Hanson and SETI artist-in-residence Charles Lindsay. It was a component of an arts grant program entitled Getting Off The Planet, through Ecoartspace curator Patricia Watts. The work uses CGI photogrammetry, particle dynamics, projections, and displacements to create a dimensional view into possible proto-worlds and intellegences, one of the defining characteristics of Lindsay's CARBON series. Viewers look on from a darkened body-less space in the digital dome where they are removed from their everyday surroundings and asked to contemplate an alternate world.

CARBON-X



EGYPTIAN DREAMS NSC Creative

This short takes us on a magical wild ride through time. Flying along the banks of the river Nile through the sands of time to where the great Pharaohs are being buried and exploring the past with Egyptian pioneers through the ages.

INSPIRATION Encompass 360 Degree Digital Dance

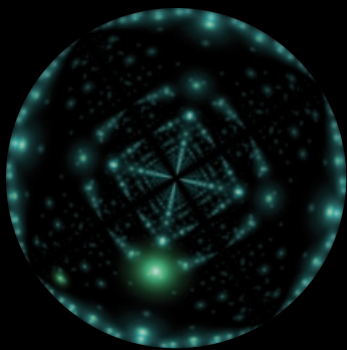
“At the dawn of time, the Universe comes into being and star fields begin to take form. The Hindu deity and protector of life Prajapati (recognised as the constellation Orion in the West) materialises, dividing and replicating himself into humanity and the animals of the Earth.” Inspiration is part of the full-length dance film Encompass, based on the 8 Olympic values & originally created for a panoramic dome at the UK Cultural Olympiad & Olympic sailing events 2012. Encompass is currently being reworked for fulldome and will be screened later this year.



DESSEINS:Sphère Joe Fiola

with technical support from Société des arts technologiques (SAT), Montréal

Developing a style which mixes traditional hand drawn animation with digital 3D rendering, the artist, also known as VJZEF, took great care to create a fully immersive environment where form and colour are at the center of an exploration of the spherical form.



JAZZ FROM THE MATRIX #42

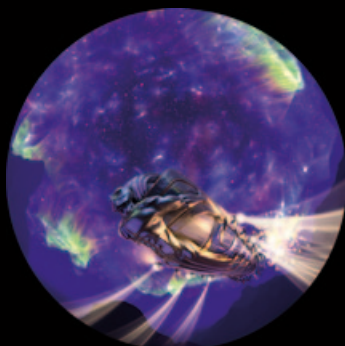
Stefan Berke, Jan Zehn

The present short film is a selected scene cut out from our latest Matrix Optimizer show production „LOCO-DYNA-MORPHICS - An audio-visual essay on the physics of natural numbers“, especially created for the SAT Dome in Montreal. It shows an artistic journey through several combined divider-areas of the Grand Harmonical Matrix, audio-visually interpreted as a musical composition in spatial animated FulldomeAudio, rendered for 21 virtual audio channels on the new SpatialSound Wave System. Enjoy!

LED ZEPPELIN - ARTISTIC INTERPRETATIONS

Mike Murray, David Merrell - Clark Planetarium

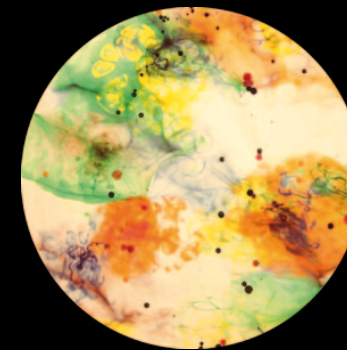
This 6-minute short reel highlights the variety of styles created to our „Led Zeppelin“ music show. Some of the visuals represent the time period of the band, while others are purely environmental. The goal of the show was to establish a unique thematic style for each song, thereby offering a greater variety of immersive experiences.



LIQUID LIGHT

Helena Doyle

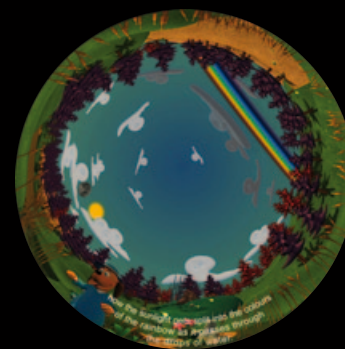
Journey through liquid, become drenched in colour.



LITTLE ABC: THE LIGHT

Ilusa Media

“Little ABC” is an initiative that aims to boost educational contents in a format that is attractive, approachable and didactic for smaller children (from 3 to 7 years old). The themes used are those that are most accessible for these youngsters, developed in a way that arouses interest and stimulates the senses to boost their understanding of their surroundings in a world that is full of so many questions. Various resources are used to achieve this, including character animation, a cartoon-like aesthetic, music and songs. The main aim is to arouse interest in general knowledge by using a specific product, “Little ABC”.



FRIENDSHIP

Encompass 360 Degree Digital Dance

Based on the Olympic value of Friendship, abstracted body movements meet, greet, play and dance together in the dome. Friendship is part of the full-length dance film Encompass, based on the 8 Olympic values & originally created for a panoramic dome at the UK Cultural Olympiad & Olympic sailing events 2012. Encompass is currently being reworked for fulldome and will be screened later this year.

COURAGE

Encompass 360 Degree Digital Dance

Based on the Olympic value of Courage, 6 dancers are uploaded into a computer's operating system as players in a race against time to battle a computer virus. Courage is part of the full-length dance film Encompass, based on the 8 Olympic values & originally created for a panoramic dome at the UK Cultural Olympiad & Olympic sailing events 2012. Encompass is currently being reworked for fulldome and will be screened later this year.



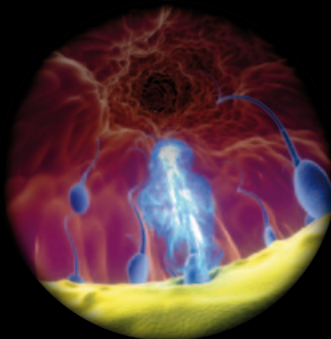


LOSING THE DARK Loch Ness Productions

A collaboration with the International Dark-sky Association. Written and narrated by Carolyn Collins Petersen, produced by Mark C. Petersen, soundtrack music by GEODESIUM, visualization by DOME3D, Loch Ness Productions, and astrophotographers. The show artfully illustrates issues of light pollution and suggests simple actions we can take to mitigate it. It gives planetarium professionals a tool to educate the public about problems of light pollution. Production funding: Star-map.fr, the Fred Maytag Family Foundation, the International Planetarium Society, and IDA members.

MIRACLE OF LIFE NSC Creative

This beautiful short tells the story of us and the miracle that we start from a single cell and end up as 70 trillion. Taken from Cell! Cell! Cell!, Miracle of Life takes us on a journey from conception, through to birth.



PRECIOUS LIFE by Alan Parsons & Lichtmond Planetarium Hamburg & bluphase.media

Legendary Alan Parsons teamed up with LICHTMOND to compose this song and Alan is also the lead vocalist of this song, which is a highlight of the full-dome show UNIVERSE OF LIGHT. The combination with truly amazing 3D animations create a journey far away from daily stress into a magic world of its own.



RELENTLESS NIGHT Sky-Skan

Relentless Night is a full-dome short film that immerses the viewer atop the extinct volcano of Maunakea in the Central Pacific, amongst the biggest collection of telescopes ever built. Derived from the series, Awesome Light, the footage was shot over 4 years in stereo fisheye. The film provides unique views of the remarkable summit landscape at over 4,000 metres and the nightly ballet of these magnificent machines that search for secrets in the stars. Set to the haunting beauty of the Eliza Aria re-tuned to a powerful dubstep mix, Relentless Night pays homage to this tour de force of scientific discovery.



SHARK ATTACK Emma Wolf / Diego de Anna

Shark Attack is a perpetually looping psychedelic-action-adventure film without plot or any theme in particular. A bit like real life, but amplified the power of imagination and computer graphics technology. No illegal substances were used in the creation of this film.



MP-3D - DIE SCHÖPFUNG DES KLANGS Tobias Mindner

„Mike Oldfield, Schiller, Goldfux, Shaped Signs, Jean-Michel Jarre - autorisiert vom allerhöchsten: Das Klangprojekt „MP-3D“ ist ein eigens für das Festival gewirkter, fliegender Klang(flicker)-Teppich, in den die betörenden Möglichkeiten des Raumklangs eingewebt sind. Musikalisch erwartet den Hörer ein Wellenflug durch Trancemusik, Chanson, Elektronik, und Musikpoesie, sinnlich erwartet ihn ein Klanggrausch ungekannter Dichte, und bildlich das, was die jenseitigen Sphären seiner eigenen Phantasie hochauflösend darzustellen in der Lage sind ...“



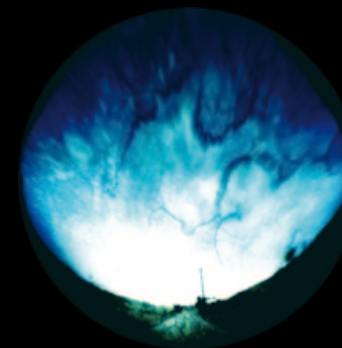


SYNCODE 360
Ralph Heinsohn

» Syncode 360« is a full-dome re-interpretation of the video „Syncode“ by early video-artist Mike Weisser. Weisser's original video was produced 1987 with music from Weisser's Electronica-Duo „Software“ for classic videoscreens (PAL SD-Format). The full-dome version was the „opening ceremony“ of a larger retrospective exhibition, entitled „Ego“, on Weisser's Works (paintings, photography, installations) at Bunker-D art space and Mediendom in Kiel.

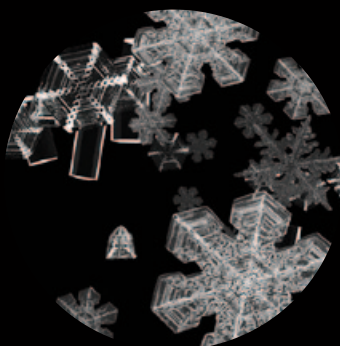
TWILIGHT GHOST CAUGHT ME
Masashige Iida

Twilight ghosts are fictional beings named by me. They live in a sunset and take a living thing to the dark. I think darkness is origin of life. I have no religion but I think of God as immanent in nature. Twilight ghosts are one of them.



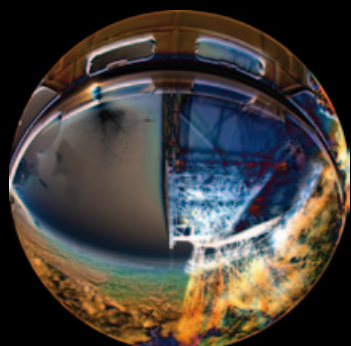
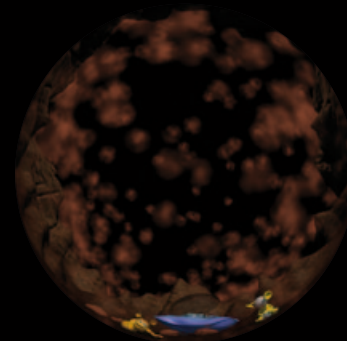
THE NAKAYA DIAGRAM
Masaru Hirohashi

Doctor Nakaya is a Japanese scientist famous worldwide for the research of snow science. He made scientifically a diagram of snowflake shapes for the first time. He compared snowflake shape to a hierograph to solve the secrets in the heavens. We pursued realistic modeling of snowflakes by referring to many photographs like jewelry designer. It's like Ornamental Dances in winter sky.



UFF THE ALIEN
Planetarium Ostrava

Little extra terrestrial hero named Uff travels through our Galaxy. He gets to know various space objects and learns more about the Universe.

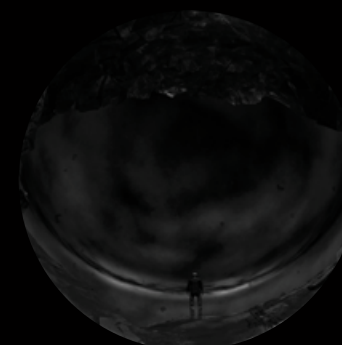


TURQUOISE TRAILS
C. Cumbie-Jones, Lance Ford Jones

»Turquoise Trails« is a chromatic crossing through displaced moments in time captured on Sandia Mountain and in Albuquerque, New Mexico.

VON FURCHT UND FREIHEIT
Moritz Degen / Daniel Weik

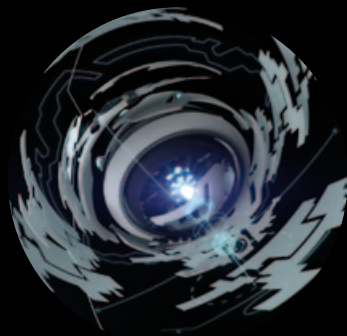
Der Film „Von Furcht und Freiheit“ von Moritz Degen und Daniel Weik ist eine Diplomarbeit aus dem Fachbereich Design der Fachhochschule Potsdam. Das Werk setzt sich metaphorisch mit der Struktur der Angst und ihrer Überwindung auseinander. Mit gewaltigen Bildern und berausenden Tönen inszeniert, lässt uns dieser Film an einem inneren Kampf auf dem Weg zur Befreiung von der Angst teilhaben. Mit den Erfahrungen aus ihrem ersten Werk „3910“ aus dem Jahr 2011, stellten sich Moritz und Daniel ihren Ängsten und entwickelten, gestalteten und produzierten 2012 in sechsmonatiger Arbeit diesen Abschlussfilm.



VORTEX

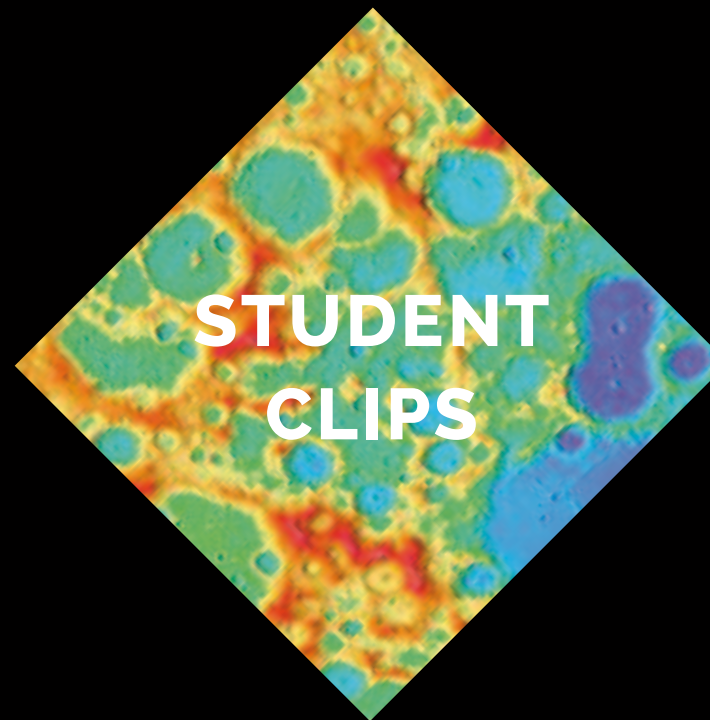
Aaron Bradbury (Leicester)

VORTEX is a ephemeral sculpture, driven by geometric soundscapes.



WHITE ROOM 02B3 Roddenberry Entertainment

From Roddenberry Entertainment, creators of Star Trek, comes a groundbreaking full-dome live-action experience. Six strangers trapped together in one room struggle to escape and survive in this science fiction adventure.



STUDENTISCHES
KURZFILMFESTIVAL
WEIMAR

www.backup-festival.de

- advert -

A WALK

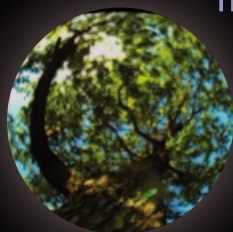
Leonie Link / HfG Offenbach
Felix Deufel / Hochschule Darmstadt



Sitting at the desk. Can't concentrate. It's time to go for a walk. Escape or chase? But did she really leave or is the world around her just what she's trying to put on paper?

AIR & EARTH

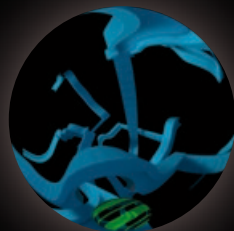
Timothy Holley / Ringling College of Art and Design



A piece about nature and the value it can be given. The fleeting and often overlooked glimpses of organic acts framed in human reference become emotionally powerful when witnessed. This case, the death of a leaf, becomes more powerful and 'worth' recognition when paired with another item already recognized.

AMAZE

Lynea Hagman / Ringling College of Art and Design



»aMaze« asks a simple question. What would it like to be the ball inside a maze?

BETTER TIMES

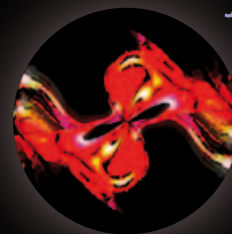
Tilman Helbig / Bauhaus-Universität Weimar



This place has seen better times.

BIRDS AND BEES

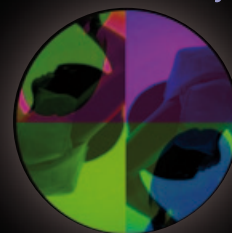
Jabari Anderson / Ringling College of Art and Design



»Birds and Bees« is a coming of age story, about a trans girl and her boyfriend.

BON VOYAGE

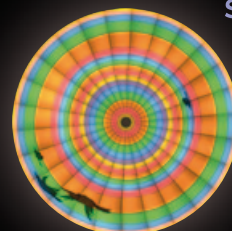
Kyung Min Ko / HfG Offenbach



»Bon Voyage« ist ein Tanzfilm, der auf dem koreanisch-schamanistischen Ritual „Gut“ basiert. Hinter „Gut“ steckt der Leitgedanke von „Himmel - Erde - Mensch“, bei dem der Mensch - als Teil der Natur - stets in Bezug zu Himmel und Erde steht und mit allen Lebewesen in Harmonie koexistiert. Während des Rituals singt der Schamane und bittet um ein Treffen zwischen Menschen, Gott, allen Lebewesen und sogar unsichtbaren Geistern. Der Tanz hebt somit, über Leben und Tod hinaus, Grenzen auf und lässt alle Wesen miteinander kommunizieren. „Bon Voyage“ übersetzt diesen Tanz als unendliche zirkuläre Reise der Energien im Universum und wird im Planetarium gezeigt, welches zwischen Himmel und Erde steht.

FLIGHTS OF FANCY

Soohyun Kim / Ringling College of Art and Design



»Flights of Fancy« is a whimsical hot air balloon ride through heights of your imagination.

FULLDOME MEME

Katarina Sengstaken, Stefan Kinzel, Carolin Clausnitzer, Sönke Hahn / Bauhaus-Universität Weimar



Weltweit zieht es Menschen in den Bann: Das Phänomen „Harlem Shake“. Höchste Zeit den Tanz in die Kuppel zu bringen...

GUARDIAN ANGEL

Jeffrey Boos / Ringling College of Art and Design



Your guardian angel loves you. She wants nothing but the best for you. Your life is just a series of images, so enjoy it while it lasts. Live your life and journey to find true happiness, but remember, she's watching you.

HABITAT (I AND II)

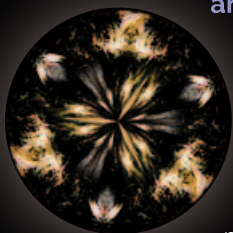
Sönke Hahn u. Katarina Sengstaken / Bauhaus-Universität Weimar



Soziale Unruhen nehmen zu, radikale Gesellschaftmodelle werden geboren und finden ihre Anhänger. Zu radikal für manche, aber der Weg zurück wird verwehrt. Die andere Seite ist durch eine große Wand unerreichbar. Karsten versucht sich in dieser neuen Welt zurecht zu finden – bis er eine unglaubliche Entdeckung macht. In zwei Teilen führt der Pilotfilm in die fiktionale Serie ein und möchte neben der räumlichen auch ein narratives Immersionserlebnis ermöglichen. »Habitat« ist mit Hilfe eines speziellen Kamera-Rigs zu einem Großteil in 380°x180°-Realfootage realisiert worden.

HAIROSCOPE

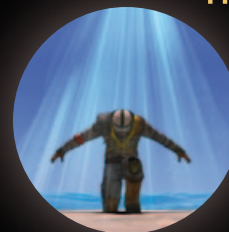
Freddie O Lamoreaux II / Ringling College of Art and Design



As a fine artist, »Hairoscope« is my instrument for the viewer to be immersed in the full spectrum of hair and the sound processes associated as a medium for art making. Using anamorphic perspective, »Hairoscope« abstracts something we see on a daily basis. Fulldome immersion provides a unique way for viewing this aspect of our culture and how it changes; this affects the ways in which we perceive human nature and what is natural.

HOME

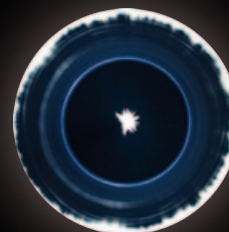
Maadh Kalbani / Thinktank Planetarium
Birmingham City University



A story of a man who lost his home and on a journey to take it back. A journey to Redemption.

I AM NOT AFRAID

Greg Schuter / Ringling College of Art and Design



»I Am Not Afraid« is a collage of places and scenes that invoke a feeling of wonder and mystery. The images, slightly ambiguous in their scope and composition, are assisted by the voice of Richard Feynman, our celestial guide that grounds our awareness within the piece.

I, WATER

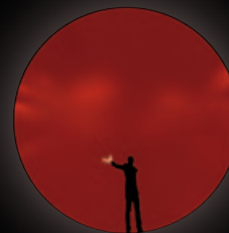
Felix Deufel, Yannick Hofmann, Natascha Rehberg, Klaus Schüller / HfG Offenbach



»I,water« ist eine Mehrkanal-Soundscape-Komposition die besonders die Beziehungen zwischen Wasser und Mensch darstellt. Die Infrastruktur des Menschen widerspiegelt seit jeher seine Abhängigkeit vom Wasser. Der Kreislauf von Wasser in seinen verschiedenen Aggregatzuständen und der Nutzen, aber auch Unberechenbarkeit, Gewalt und Widerstand erzeugen eine Dependenz, welche das Leben auf der Erde maßgeblich bestimmt.

IN THE NAME OF THE KING

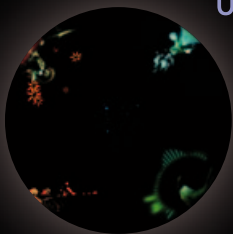
Karim Eich / Livius Pápay
Bauhaus Universität Weimar



After the Russian Revolution George V., King of the United Kingdom, is threatened by assassins. Only one man can stop them.

JUNGLE CABARET

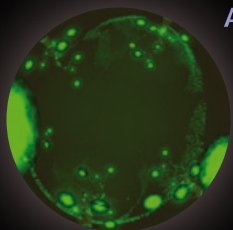
M. Mey Khammas / Fachhochschule Potsdam & Universität Potsdam



»Jungle Cabaret« ist ein experimentelles 360°-Musikvideo und eine Hommage an frühe Abenteuerfilme und deren Darstellung von Exorzismus und der Zelebrierung fremder Magie. Die naive Sichtweise dieser Filme wird reflektiert und setzt sich zu einer neuen musikalisch-visuellen Ästhetik zusammen. Narrativ befinden wir uns in einem dunklen Dschungel. Seltsame Gestalten treten auf und beginnen ihr merkwürdiges Lied zu spielen – das Spektakel wird immer wirrer und endet schliesslich in lautem Getöse.

KAPSEL

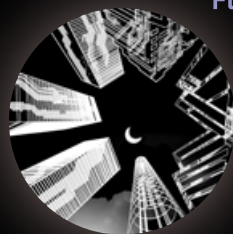
Andreas Diekötter, Eike Endrikat, Björn Latendorf, Kiro Mohrfeld, Lukas Marquardt, Bastian Oppel, Timo Sommerfeldt / University of Applied Sciences Kiel



Who knows what medicine is really made of, all those pills that we tend to swallow each time we feel bad.

MNEMNESIA - VISUAL MUSIC TRAILER

Florian Breuer, Sascha Schiemann, Roland Nebe / Robert Schumann Hochschule Düsseldorf



»Mnemesia - Visual Music Trailer« ist zur momentan entstehenden Abschlussarbeit S. Schiemanns & F. Breuers entstanden. Es handelt sich um ein fiktives Hörspiel, bei der der Protagonist und auch der Zuschauer sich in einer komplett vernetzten, datenüberfluteten Welt wiederfinden. Es wird die moderne Informationsgesellschaft, die Freiheit des Individuums sowie Wege des Transhumanismus thematisiert. Der Trailer stellt den Titelsong des Hörspiels vor und abstrahiert die Themen in visueller Weise.

OUT OF THIS WORLD

Ivan Joy / Ringling College of Art and Design



»Out of This World« is a quick journey through our solar system set to an epic soundtrack.

SCHRÖDINGERS BIRDS

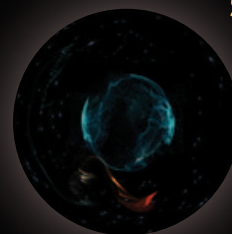
Jochen Isensee / Fulldome support / rendering: Sascha Kriegel



In dem musikalischen Kurzfilm »Schrödingers Birds« inszeniert Jochen Isensee einen Moment auf dem Dachboden des großelterlichen Hofes zu der neoklassischen Musik von Ólafur Arnalds, einem jungen, isländischen Komponisten. Der Film ist eine ästhetische Spekulation, was an vergessenen Orten mit den Dingen geschieht, die sich im trägen Fluss von Licht und Zeit wiegen. Möglicherweise entwickeln sie jenseits bewusster Wahrnehmung und in Ermangelung lebendiger Beobachtung ihr eigenes Leben? Was immer tatsächlich geschieht, diese Frage verhallt im Raum, ungehört und unbeantwortet.

SPECTRUM ANIMA

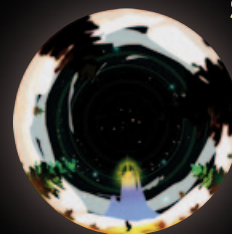
Nadia Zian / Ringling College of Art and Design



»Spectrum Anima« is a music visualization inspired by the abstract work of Oskar Fischinger. It was created using the Red Giant plugins Trapcode Particular and Flow for After Effects.

STRIARE

Christina Chang / Ringling College of Art and Design



We wake, chase, and reach a place as swiftly as stars streaking through the sky.



THE DREAMER

Millivette González-De Jesús / Ringling College of Art and Design

Featuring original music composed by Kevin Temmer and Millivette González-De Jesús, The Dreamer features the story of a girl who is taken away from her reality by her own dreams (or rather, a pesky purple octopus).



THE MEMORY TREE

Shoulong Tian / Ringling College of Art and Design

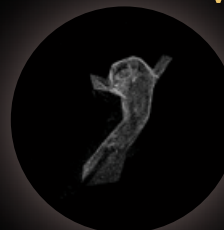
»The Memory Tree« shows a man meeting and losing the most beautiful thing in his life.



THE FACE I WEAR

Denis Carbone / HfG Offenbach

A film about the thousands masks we wear.



VENATIO

Oliver Reichert / Hochschule Anhalt Dessau

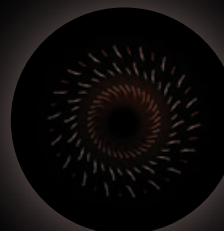
Der Konflikt zwischen Partikeln in einer beeindruckenden Formsprache.



THE FIVE-STEP MODEL OF VILÉM FLUSSER

Julia Wiesner / University of Applied Sciences, Potsdam

Vilém Flusser is one of the most important cultural critics of the 20th century. Within his Five-Step Model Flusser explains how communication evolved from direct interaction with the world to mediation through various technologies. The film is based on sound recordings of a talk which he held in 1990 in Budapest.



WALTZ OF THE OCEAN

Anne-Marie Stöter / Hochschule Anhalt Dessau

Lassen Sie sich verzaubern von den verschiedenen Eindrücken des tiefen Ozeans. Geheimnisvolle, undurchdringliche Tiefen erwarten den Betrachter im Wechselspiel mit der ruhigen Atmosphäre des weiten Meeres. Tanzend bewegen sich die Charaktere über die Kuppel und beeindrucken mit atemberaubenden Lichtspielen.



THE HOLLOW EARTH OF EDMOND HALLEY

Gentian Begolli

This 3D Fulldome Animation illustrates the hypothesis of the Hollow Earth raised by the brilliant English astronomer Edmond Halley, who believed that the earth contains of several concentric shells placed inside one another in the manner of a Matryoshka nesting doll. Halley believed that each of these inner shells has its own atmosphere and might support life. Commencing with articles and publications regarding his hypothesis, this fulldome movie offers an appropriate visualization of what Halley theorized about the Earth's interior.



**TALKS
PRESENTATIONS
WORKSHOPS**



THURSDAY
MAY 30■ **All sessions at the workshop room, 1st floor****10:00** **Jeff Merkel – 360-degree Audio-Sound for Immersive Environments**

Jeff Merkel will be telepresent via Skype. His heroic local Denver time is 01:00 a.m.

A dedicated expert, who surprised the audience at the recent IMERSA conference, Jeff writes: "Mixing audio to picture or for live performances in an immersive environment is often times daunting and difficult. Most modern mixing and performance workstations are unable to pan and automate in the 3D environment, especially since there are no speaker arrangement standards among domes. It was our goal in the project to create a solution to allow anyone interested in creating and performing audio in a complex multi channel environment to do so easily. In this presentation we will look at a free toolset that we developed to remap any input source location to any physical speaker arrangement. This toolset also has the ability to perform a loudspeaker correction and bass management."

10:30**10:30** **Mark C. Petersen: The State of Fulldome**

As perspective for pondering the future of fulldome as a medium and market, it is useful to review its current state. In this overview presentation, statistics drawn from Loch Ness Productions' FULLDOME THEATER COMPENDIUM and FULLDOME SHOW COMPENDIUM are presented and discussed, and provide some answers to the quintessential questions: "Who are we, where are we, and what are we doing?"

Mark C. Petersen is president and founder of Loch Ness Productions. He is a long-time producer of fulldome and classic planetarium shows, broadcast and online videos, and has more than three decades of experience as soundtrack producer and space music composer. Mark maintains the world's most extensive database of domed theaters and fulldome presentations.

11:00**THURSDAY**
MAY 30**11:00** **Ryan Wyatt: "Earthquake" The Making of a Geology Planetarium Show**

For its third full-length fulldome production "Earthquake: Evidence of a Restless Planet," the California Academy of Sciences eschewed stars in favor of putting our planet in our planetarium. The 22-minute program introduces audiences to a perspective on Earth as a geologically-active world in which humanity must make choices to ensure its prosperity. To create the program, the Academy's visualization studio recreated a variety of tools, ranging from a historically-accurate representation of 1906 San Francisco to state-of-the-art simulation of ruptures along the San Andreas and Hayward Faults. This talk reviews the storytelling and visualization challenges encountered during the production.

11:30**12:00** **Get to know IMERSA-meeting****FRIDAY**
MAY 31☀ **Morning sessions inside the Planetarium****10:00** **René Rodigast: Spatial Sound Wave in the Dome**

In Nov. 2011 the Zeiss-Planetarium Jena introduced a new 3D sound system. The system design and configuration, the integration with the projection facilities and the processes of content production and performance will be discussed.

Spatial Sound Wave provides a scalable spatial sound system that can be individually adapted to the characteristics of the location. With a sufficient number of loudspeakers available, the system can be extended with real 3D sources. The system also offers an interactive acoustic room simulation tool. This way, the spatial sound created can be adapted to the given requirements of an event, e. g. speech reproduction and concert acoustics. The Fraunhofer Institute for Digital Media Technology IDMT is doing applied research in the field of audiovisual media.

The Institute is known as a competent partner of industry when it comes to developing groundbreaking technologies for the digital media domain.

10:20

FRIDAY
MAY 31 Morning sessions inside the Planetarium

10:20 Andre Wünscher / Thomas Fritzsche / Robert Sawallisch / Matthias Rode:
Interactive Shows and Games for the Dome
(Inflatable dome inside Planetarium)

Real-time interactivity is a key feature and/or desire for the future dome. Individuals or groups come together to act and interact in a 360-degree virtual environment.

Thomas Fritzsche, Robert Sawallisch and André Wünscher, three former students of the Bauhaus-University Weimar, will demonstrate different approaches of interactivity projects they developed for the Dome and how to handle technical and conceptual challenges.

11:10 Inflatable dome provided by Matthias Rode

11:10 Joakim Kilby: **Real-time application for full-dome production.**

Joakim Kilby from Sveden writes:
"I will talk about the creation of a real-time application for rendering (parts) of our solar system and celestial bodies in a full-dome stereo format. The real-time application is capable of capturing 4k resolution stereo fisheye images at interactive frames rates which may be displayed directly on a dome. In my talk I will focus on the challenges (and solutions) in creating this application both in regards to the full-dome image format and in working with stereo images."

11:40

 Noon sessions at the workshop room, 1st floor

12:00 Sönke Hahn: **Experimenting with full-dome multi-camera rig systems**

Sönke Hahn, student at Bauhaus-University Weimar and one of last year's FullDome Award winners, writes: "Shooting omnidirectional full-dome movies in real footage still faces many challenges, like the positioning of microphones. The talk describes the on set working with a six camera rig (consisting of six GoPro2) and the complex postproduction workflow: How are the cameras stitched together? How to create Full-dome images from panoramas? These issues are illustrated by the students' project/serial 'Habitat'."

12:30


FRIDAY
MAY 31

12:30 Michael Daut: **Full-dome Production Pipeline**

Synchronizing the workflow from concept to premiere. Solid planning and coordinated efforts for faster and better full-dome films.

Translate concept into pictures / How many set-pieces? / Visual style? / Generate scene list/shot list / Create treatment and script first draft / Schedule animations and shoots / Discuss flow of scenes and camera moves / Review animations in 4K; make notes / Time/Team Management / When to cut the trailer / When to start editing the show / Collecting assets/review what is missing / Post production and delivery

13:00

 Noon sessions at the workshop room, 1st floor

13:00 Dario Tiveron: **FDDB - The Full-dome Database**

FDDB is an exciting and friendly resource for people who are passionate about full-dome.

FDDB's mission is to spread full-dome awareness and help incite full-dome innovation while focusing on content. FDDB is for everyone interested in the full-dome medium: planetarians, science center & museum operators, private companies, independent filmmakers, students... you name it! Anyone can join FDDB: it's a great way to connect with the full-dome community. FDDB comes as a free service: no money is involved with sharing information in the database. Let's focus on keeping up the good work!

Based in Padova, Italy - the very same city from which Galileo Galilei made his discoveries - FDDB website was conceived and started by Dario Tiveron - former science project director at a digital planetarium.

13:30

SATURDAY JUNE 1

All sessions inside the Planetarium

10:00 **Dan Neafus, The Language of Immersive Cinema.**

Dan Neafus will be telepresent via Skype. His heroic local Denver time is 01:00 a.m.

Dan Neafus, operations manager of the Gates Planetarium at the Denver Museum of Nature and Science, and co-founder of IMERSA.org. The nonprofit IMERSA (Immersive Entertainment, Research, Science, & Arts) is a leading proponent of fulldome and immersive media, founded in 2008.

"Fulldome cinema is a unique and evolving medium," says Neafus. "Production capabilities for this challenging format have improved dramatically in the past decade, attracting new creative talent into the dome. Lacking, however, is a cinematic language that adequately describes producing for the 'viewer-centric' experience in the dome." His presentations will feature examples and suggestions of ways to continue to develop the creative potential of this unique medium.

10:30



SATURDAY JUNE 1

10:30 **Andreas Mascha: The notion of space and time in Jean Gebser's integral consciousness theory with respect to fulldome projection**

The Swiss-German cultural philosopher Jean Gebser (1905 – 1973) has created an integral consciousness theory that is quite helpful for the understanding of space and time. Since the sphere is the "signature" (Gebser) of four-dimensionality, there are some interesting analogies between the spheric space-time universe and the dome projection-space. With an excursion to Gene Youngblood's "Expanded cinema" we'll share new perspectives on the Fulldome Film-Theatre situation.

Andreas Mascha is a management consultant, author and publisher. Interest in consciousness research, dance and intermedia-ty, sometimes also on stage with a performance group.




11:00

11:00 **Kate McCallum / Ed Lantz: Vortex Dome LA: Transmedia, Transformation and the Promise of Immersive Media**

The Vortex Dome LA is a Los Angeles based immersive media studio and community theater exploring the transformative potential of immersive media in transmedia storytelling. In the past 3 years of operation the venue has hosted a range of experimental productions spanning live performance, cinematic storytelling, performance art and special events including symposia, corporate events, an "ExTEDx" conference, VJ meet-up groups and more. Vortex Dome operators Ed Lantz and Kate McCallum review their most recent projects, including the development of BollyDoll, a Bollywood-esque stage show featuring artist and singer Amrita Sen and composer Anthony Marinelli; Blue Apple, an immersive ballet choreographed by former Principle dancer and choreographer of Warsaw's National Opera & Ballet and 360 visual art by artist Audri Phillips; and Melting Rainbows, a live painting art performance by up-and-coming LA-based artist, Aaron Axelrod. Future projects are also discussed including Digital Spas and transformational storytelling.

11:30

PROGRAM OVERVIEW

-  **DOME** (Planetarium)
-  **LOUNGE** (tent)
-  **WORKSHOP** (seminar room)




THURSDAY MAY 30

- **10:00** 360-degree Audio-Sound for Immersive Environments - Jeff Merkel (telepresent)
- **10:30** The State of Fulldome - Mark C. Petersen
- **11:00** Making of "Earthquake" - R Wyatt / T Florian Horn
- **12:00** Get to know IMERSA meeting
- ◐ **12:30** Earthquake (p. 10)
- ◐ **13:00** We Are Aliens! (p. 15)
- ▲ **13:30** Break
- ◐ **14:15** Moons: Worlds of Mystery (p. 13)
- ◐ **15:00** The Longest Night (p. 14)
- ◐ **15:30** Cocomong: A Space Adventure (p. 9)
- ▲ **16:00** Break
- ◐ **16:30** The Navigator of Outer Space (p. 14)
- ◐ **17:00** Chaos and Order (p.8)
- ▲ **18:00** Break
- ◐ **19:00** Short Film Night (p. 17—26)
- ◐ **23:00** Lichtmond (p. 12)

FRIDAY MAY 31

- ◐ **10:00** Spatial Sound Wave in the Dome - Rene Rodigast
- ◐ **10:20** Interactive Shows and Games for the Dome - Andre Wünscher / Thomas Fritzsche / Robert Sawallisch / Matthias Rode
- ◐ **11:10** Real-time application for fulldome production - Joakim Kilby
- ◐ **12:30** Escher's Universe (p. 11)
- ◐ **13:00** Dark (p. 9)
- ▲ **13:30** Break
- ◐ **14:15** Energy of Life (p. 11)
- ◐ **15:00** Micromonsters (p. 13)
- ◐ **15:30** Encounter with Earth (p. 11)
- ▲ **16:00** Break
- ◐ **16:30** Ancient Skies Ancient Mysteries (p. 8)
- ◐ **17:00** Cirque du Sphere (p. 9)
- ▲ **18:00** Break
- ◐ **19:00** Student's Night (p. 27—36)
- ◐ **23:00** Six Mil Antennas (p. 13)















-  **DOMES** (Planetarium)
-  **LOUNGE** (tent)
-  **WORKSHOP** (seminar room)

SATURDAY

JUNE 1

- **10:00** The Language of Immersive Cinema - Dan Neafus (telepresent)
- **10:30** The notion of space and time in the context of Jean Gebser's integral consciousness theory with respect to the space of fulldome projection - Andreas Mascha
- **11:00** Vortex Dome LA: Transmedia, Transformation and the Promise of Immersive Media - Kate McCallum / Ed Lantz

-  **12:00** Cell! Cell! Cell! (p.8)
-  **12:30** Victor and Garu (p. 15)
-  **13:00** Leo and Art (p. 12)
-  **13:30** Break
-  **14:15** Dream to Fly (p. 10)
-  **15:00** To Space and Back (p. 15)
-  **15:30** Super Volcanoes (p. 14)
-  **16:00** Break
-  **16:30** Dinosaurs at Dusk (p. 10)
-  **17:15** The Life of Trees (p. 12)
-  **18:00** Break
-  **19:00** **Gala with Awards Ceremony**

SINCERE
THANKS TO
ALL OUR
SPONSORS



toskanaworld.net
glück und gesundheit.



Superior Supporter:
Australasian Planetarium Society

Premium Supporter:
Prof. Klaus Dufke

Global Supporter:
Jürgen Schilling

Deluxe Supporter:
Ben, Fulldome UK
Philip, Fulldome UK
Gabriele Michl
Prof. Dr. Susanne Hüttemeister
Musia H. Bus
Micky Remann
Volkmar Schorcht
Helmuth Schuettemeier
Isabella Buczek
National Space Centre Creative
Fulldomefactory

Local Supporter:
Fulldome.com
Dr. Monika Staesche
Rebeca Cubillo Merino
Ralph Heinsohn
Roberto Sánchez Pérez
Dr. Christian Theis
Daniel Erlacher
Gabriela Domingues
Manuela Meyer
Tom Kwasnitschka
Jürgen Hellwig
Staffan Klashed

Supporter:
Katrin Schoch
Yulia Wagner
Dave Beining
Robert Sawallisch
Tim Florian Horn
Ann Wagner

Veranstaltungsort / Venue:

Zeiss-Planetarium Jena
Am Planetarium 5
07743 Jena

Information:

+49-3641-88 54 88
www.fulldome-festival.de
www.planetarium-jena.de
Facebook: FullDome Festival
e-mail: fulldomefestival@planetarium-jena.de

Festival-Directors:

Jürgen Hellwig
Micky Remann
Volkmar Schorcht
André Wünscher

Festival-Organisation:

Yulia Wagner