



**fulldomefestival**<sup>2014</sup>  
AHEAD IN THE CURVE

Opening: 21th May 7:30 pm  
Komententanz: Astrale Pantomime

22nd – 24th May 2014

[www.fulldome-festival.de](http://www.fulldome-festival.de)

PROGRAM

# EDITORIAL

## A HEAD IN THE CURVE!

Each year since we started the Jena FullDome Festival in 2007 the organizers go through intense deliberations to find an appropriate title for this annual meeting of fulldome professionals, students and enthusiasts. The motto, or mantra, we eventually endorsed for 2014 is: A HEAD IN THE CURVE!

We chose a courageous fanfare to indicate that when you go to the Jena Festival, you'll always be ahead in the curve in all respects of fulldome productions. An element of subtlety was added as we figured that people need to turn their head around to grasp the entirety of any dome show. Therefore audiences may rightfully experience themselves as not only being but also of having A HEAD IN THE CURVE!

And there is more where that came from. The evolutionary thrust propels us to announce the date for the 9th Jena FullDome Festival which will take place in May 28th – 30th 2015 under the motto ROMANTIC CIRCLES.

If that still does not satisfy you, join us for the 10th Jena FullDome Festival in May 26th – 28th 2016 (!) under the motto FRAMELESS FRENZY.

Before bifurcating into the distant future, we are pleased to welcome you here and now in the present. We owe thanks to our generous sponsors, to the community of fulldome producers and presenters as well as to visitors from near and far whose joint efforts and contributions make this festival a reality.

Last but not least: we have some precious JANUS sculptures that come with the sought after FullDome Awards. Let's celebrate the talented winners with their JANUS at the festival gala. They certainly are A HEAD IN THE CURVE!

We hope you'll enjoy the program!

The FullDome Festival Directors



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# JURY

## Introducing the 2014 FullDome-Festival Jury

We are honored to introduce five able individuals who have agreed to donate their time and expertise to review the shows eligible for a FullDome Award in the 2014 contest. The jury works independently of the festival organizers or any company or institution. It is in the hands of these people to discuss and decide who deserves to receive the famous „Janus“ statue along with prize money and certificate. Winners will be revealed and cheered at the Festival Gala.

### ANNE KING



Works at the department of documentaries and animation at Mitteldeutsche Medienförderung GmbH (MDM).

### DAN NEAFUS



Manager of the Gates Planetarium at the Denver Museum of Nature & Science and co-founder of the professional trade group IMERSA. He has been producing immersive audience experiences since 1976.

### DARIO TIVERON



Former science project director at digital planetariums, creator of FDDB. Based in Padova, Italy.

### EDUARD THOMAS



Director of the "Centre for Communication" including the "Mediendom", a pioneering institution for the fulldome world in Germany. He works at the University of Applied Sciences, Kiel.

### STEPHANIE MÜLLER-SPIRRA



German TV-host, working for public channels like KiKA (children channel) & MDR. She studied media culture at Bauhaus University, Weimar, and is about to discover her first FullDome Festival.



**FEATURE  
SHOWS**

FULL-LENGTH  
FEATURE  
SHOWS

## ADRENALINE UNIVERSE

Planetarium Ostrava, TU Ostrava

MAY 24  
2:15 pm

Everything in our Universe is affected by gravity. This universal force is manifested in the lives of planets, stars, galaxies and elementary particles – and humans are no exception. Many of the so-called extreme sports would not be as attractive or even possible without the existence of gravitational force. We experience this gravitational excitement through the secretion of a hormone and neurotransmitter called adrenalin. And we can learn about gravity by flying, skiing, base jumping and skydiving.



MAY 24  
4:30 pm

## ANCIENT SKIES

Sky-Skan

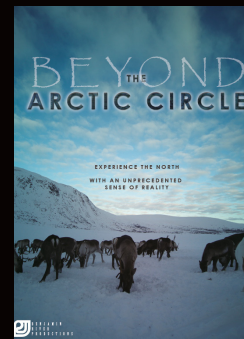
For thousands of years the Neolithic civilisation of Europe constructed ever more complex stone monuments. Initially dismissed as "illiterate civilization," only recently a radical reappraisal has taken place, giving birth to the new science of Archaeo-Astronomy. Far from being "savages" the Neolithic were highly intelligent, integrating a spiritual world view with extraordinarily skilled feats of engineering and astronomy. Ancient Skies features timelapse, CGI, never-before-seen alignment events to explore this fascinating subject and the enduring popularity of the legacy of our ancestors.

## BEYOND THE ARCTIC CIRCLE

Benjamin River Productions

MAY 23  
3:30 pm

A live-action fulldome show specially created for the fulldome medium that will give viewers a chance to experience the nature and wildlife of the Arctic regions with an unprecedented sense of immersive presence. Taking off on a husky sleigh we learn how life can survive in harsh conditions and meet the amazing creatures of the North. This story told through the eyes of a grandfather to his grandson is especially suitable for families and school groups.





MAY 22  
3:30 pm

## BACK TO THE MOON FOR GOOD

Google Lunar XPRIZE and NSC Creative

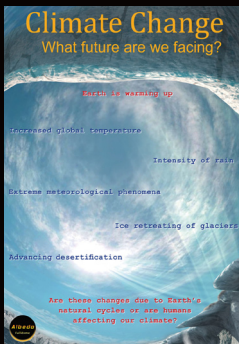
Back To The Moon For Good, an exciting, educational fulldome show narrated by award-winning actor Tim Allen. The 25minute film highlights the history of lunar exploration, providing an insider's look at the teams vying for the \$30million Google Lunar XPRIZE. The stunning visuals and compelling narrative of the show seek to inspire the next generation to „shoot for the moon.“ Created by Executive producers; Robert K. Weiss and Alexandra Hall, produced by NSC Creative and written by Ryan Wyatt.

## BELLA GAIA

Remedy Arts LLC, Denver Museum of Nature and Science

MAY 22  
4:30 pm

BELLA GAIA simulates the transformative effect astronauts have from orbiting above Earth & illuminates humanity's impact on nature in a way that taps audiences' emotional intelligence. Exploring the relationship between human civilization and our ecosystem through time and space, BELLA GAIA takes the audience on a spectacular journey from ancient Egyptian tombs, Indian rituals, cherry blossoms, Tokyo & New York city scenes as well as gripping NASA visualizations of scientific data.



MAY 22  
12:30 pm

## CLIMATE CHANGE

Albedo Fulldome

Earth is the only world in the solar system where we know life exists. Countless species of plants and animals thrive on its surface and in its oceans. But, things are warming up. The glaciers are melting away. Deserts are growing. The oceans are becoming more acidic. Sea levels will rise. Rising temperature will cause more intense storms. Prolonged droughts will expand Earth's deserts. Whole populations of plants, animals and humans could be wiped out. Are we on a path of no return? In this documentary, we're using the latest science to share the story of climate change. And find out if humans can adapt to the climate change we have caused, or work together to reduce it.

FULL-LENGTH  
FEATURE  
SHOWS

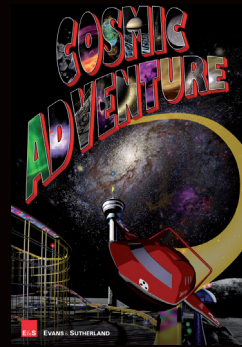
## COSMIC ADVENTURES

Evans & Sutherland

MAY 23  
4:30 pm

This show for families takes audiences on a roller coaster ride from the moon through the universe, our galaxy and our solar system.

This high speed adventure will immerse you in some of the most amazing sites in the universe. It will be a ride you will want to take again and again.



## DINOSAURS AT DUSK

Mirage3D



MAY 24  
5:15 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.

Dinosaurs at Dusk runs outside the Festival valuation as its previous version was screened and awarded in 2013.

## CONSTELLATIONS

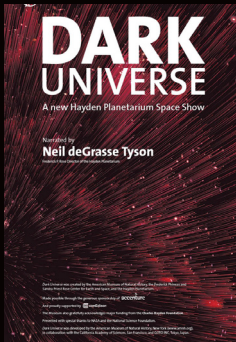
Fulldome Film Society

MAY 22  
2:15 pm

CONSTELLATIONS is a wonderful journey to the world of stars and ancient legends. It will tell you about circumpolar constellations and how you can find them at the sky, and about interesting deep space objects that are hidden in them. You will learn about important astronomical concepts such as magnitude, stellar brightness, and luminosity. You will be transported into an ancient Greek myth, which like an invisible thread connects the stars on the celestial sphere, and you will witness the anger of goddess Hera and Perseus' heroic deed. Embark on an exciting journey to the depths of the Universe and get a step closer towards understanding the mysteries of space!







MAY 24  
3:00 pm

## DARK UNIVERSE

American Museum of Natural History

The American Museum of Natural History's latest Space show celebrates a new age of cosmic discovery as well as its deepest mysteries.

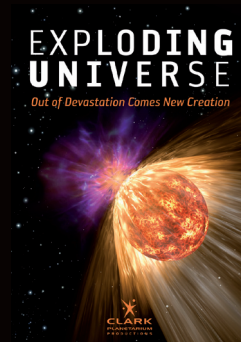
Dark Universe features spectacular scenes of recent spacecraft, such as the Galileo probe's breathtaking plunge into Jupiter's atmosphere, the most accurate visualizations ever produced, such as a Milky Way galaxy spangled with exploding supernovas, and novel renderings of hotly discussed phenomena, like dark matter.

## EXPLODING UNIVERSE

Clark Planetarium Productions

MAY 24  
12:30 pm

Out of devastating events in the cosmos comes new creation. Explosive phenomena are responsible for the way we see the universe today, and not all of them happen on a grand scale. They have even shaped our very existence. When giant stars explode as "supernovas," they seed the galaxies with heavy elements that make planets and life possible. As the universe has transformed into the structure we live in now, even some of the most elementary particles have endured. This show follows the path of one of these "particles," a proton, as it participates in nature's astounding events of rebirth and renewal.



## FIREFALL

Eastern Florida State College &  
GeoGraphics Imaging



MAY 22  
3:00 pm

Throughout Earth's violent history, impacts from comets and asteroids have mercilessly shaped its surface. The ancient barrage continues until today; from harmless meteors – those brilliant streaks in the night sky, to mountain sized boulders wandering perilously close to Earth. Terrifying and majestic, these invaders from space are capable of utter destruction yet they have delivered life-giving water and most of the organic materials necessary for life. This ceaseless Firefall is our only tangible connection to the universe beyond and is an ever-present reminder of our own humble beginnings in the hostile environment of space.

## HARMONIELEHRE

Society for Arts and Technology,  
Orchestre symphonique de Montréal

**MAY 23**  
5:00 pm

Symphonic Immersion: The aim of this visual, musical immersion project is to throw spectators into the unique world of Harmonielehre, a piece by American composer John Adams. By bringing to life images evoked by the music, we will send audiences off on a journey between different levels of reality. Through an immersive recording of the Orchestre symphonique de Montréal and its conductor Kent Nagano, we will enter an imaginary world somewhere between the composer's subconscious and the splendour of the dome.



**MAY 24**  
1:00 pm

## INCREDIBLE UNIVERSE

Brno Observatory and Planetarium

Astronomer's daily, actually nightly, bread is simply rather hard. What is more, every while they discover something that looks absolutely incredible. Sometimes so much that it exceeds even the craziest sci-fi movies. But this is exactly what our space is like - incredible! After all, in a while you will see for yourself. We are going to take you for a short excursion in a space zoo and with a few examples show you what we can expect from space.

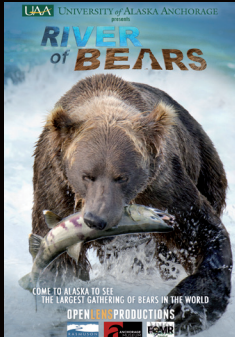
## JOURNEY TO A BILLION SUNS

Adam Majorosi and Northdocs

**MAY 23**  
2:15 pm

The age-old history of measuring the stars and a stunning journey through our Milky Way emerge in a modern astronomy show about stars, space science and the distances in the Universe. Thrilling story, amazing 3D graphics, great music and full omnidirectional experience: This brand new 4K show has been produced with ESA and 30 planetariums and premiered early 2014.





MAY 24  
3:30 pm

## RIVER OF BEARS

Travis Rector, University of Alaska Anchorage

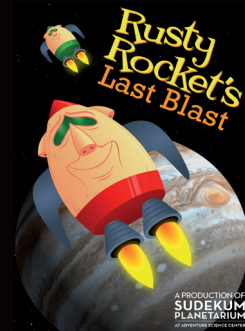
Come to Alaska to see the largest gathering of bears in the world! River of Bears is the first live-action wildlife documentary ever created for full-dome cinema. It takes you to the legendary McNeil River State Game Sanctuary, where more than one hundred brown bears congregate each summer to fish, mate and prepare for the harsh Alaska winter. Immerse yourself in this wild setting while learning from experts how the bears navigate one another with remarkable intelligence in order to survive.

## RUSTY ROCKET'S LAST BLAST

Sudekum Planetarium at ASC

MAY 23  
12:30 pm

After decades of teaching new students the basics of rocket physics, Rusty Rocket has decided this will be his last blast, and he already has plans for how he will spend his free time. Still, Rusty has one final mission to command: an introductory tour of the solar system for a new class of rocket rookies that focuses on the wide variety of planetary environments. Along the way, we learn Rusty is related to every famous spacecraft to explore the solar system. Audiences of all ages are invited to join this last class of rocket rookies, but you are expected to participate. Help with the countdown, make rocket noises, and see if you can name all the planets on our way home.



MAY 22  
5:00 pm

## TABALUGA UND DIE ZEICHEN DER ZEIT

The Content Dome

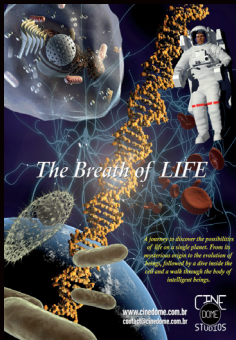
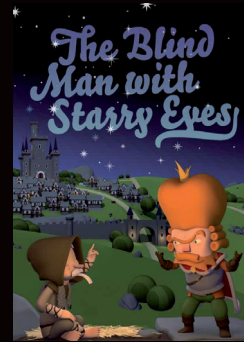
Everything in life has its time. And time is diverse: You can use it or waste it, lend it or give it to someone... Even more diverse are the questions related to the topic of time, first of all: What is time? Who defines it? And also: When does time end and can you stop it somehow or turn it back? Can you buy time for money and what is its price? Tabaluga the little green dragon has been asking all of these questions and now he comes to the planetarium. Here is the best place of all to find answers to the fundamental questions of life!  
(Screening in German)

## THE BLIND MAN WITH STARRY EYES

Planetarium de Saint-Etienne Production

MAY 23  
1:00 pm

In order to increase his power, a tyrant asks a wise old man of his kingdom to give him the secret which would enable him to extend his power and domination. Despite his insistence, he can only elicit one answer from the wise old man: "Look at the sky and count the stars". The tyrant follows his advice and starts counting the stars in the sky. Step by step, a relationship takes place between them that changes the tyrant's quest for domination into a quest for knowledge... The Blind Man with Starry Eyes is a lovely tale for young children introducing basic astronomical concepts. The show is also a profound story about life, knowledge and our relationship to Nature.



MAY 23  
3:00 pm

## THE BREATH OF LIFE

Cine Dome Studios

In this show we unravel some of life's puzzles. We start by going back in time to see the origin of organic molecules and DNA in the primitive oceans. We follow the paths of evolution to see the first cell, the first bacteria, protozoa and other microscopic beings. We are surprised by a virus chased by a white blood cell. We take an incredible journey inside a cell and get to know the cellular organelles and the nucleus. All this to better understand the vast power of life on planet Earth.



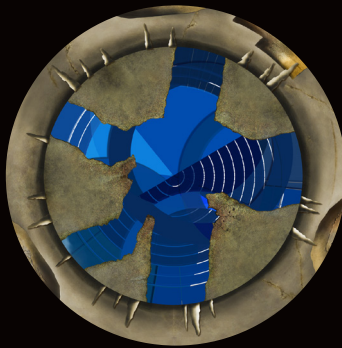
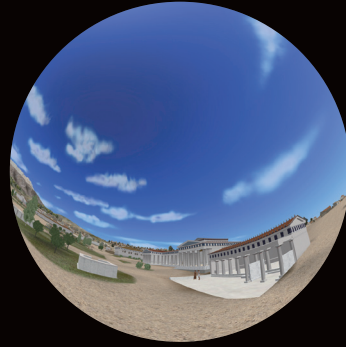
# SHORT FILMS

## ANCIENT AGORA OF ATHENS

### Foundation of the Hellenic World

Short Film Night Part 1, May 22

The Ancient Agora of Athens is the best-known example of an ancient Greek agora, located to the northwest of the Acropolis. The agora was the center of political and public life in Athens. It was a large open area surrounded by buildings of various functions. The agora was utilized for commerce, political, religious and military activity. Travel with this unique dome presentation to two different periods of the Ancient Agora of Athens (400 BC, 150 BC) and visit the cradle of European civilization.



## BREATH OF LIFE

### Society for Arts and Technology

Short Film Night Part 1, May 22

Eternal, immense and cold, it is a time of pulsing, a time of birth, of purification and infinite flowing; a time of creation, of shamanism, a time of danger, a time of joy and beauty; a time of lightness and serenity.

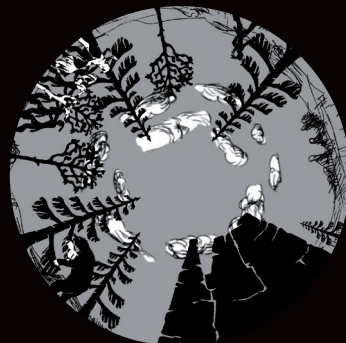
## BIG BEAR

### Hannes Wagner / Left Hand Media, Xentromer

Short Film Night Part 1, May 22

This is the Story of the Big Bear and the Small Bear. A Tale of a Sister and seven Brothers, of murder and a never ending lust for revenge.

Based on native american fairy tale with Artwork by Hans-Georg Wagner.





## CARVEBOARDING

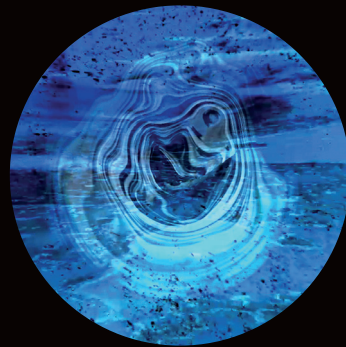
Sliced Tomato Productions  
Short Film Night Part 1, May 22

WARNING! Carveboarding is an inherently dangerous activity that may result in serious injury or death. Don't try this at home, but hey, it's okay to watch it on the dome! Sharp turns, riders whizzing by, trees overhead, fast-paced music, and a high energy edit - this is SlicedTomato's first non-educational entertainment show.

## CHRONOTOPE

Sydney Conservatorium of Music,  
The University of Sydney  
Short Film Night Part 1, May 22

Chronotope explores the relation between various forms of media, from small motions of human skeletal muscle cells captured on microscopic time-lapse video to large scale digital areal photographs of the Great Barrier Reef and Australian landscapes layered into new compositions creating astounding universes.



## CICLOTRON

4S4R  
Short Film Night Part 1, May 22

If sign is just a sign then it shows either an absence of anything and becomes nothing itself, or the manifestation of something called „nothing" and in this case it is everything.

SHORT FILM NIGHTS,  
MAY 22 AND 23

## COMETARY DUST

Jill Taffet /

Ringling College of Art and Design

Short Film Night Part 1, May 22

Cometary Dust is based on the theory that comets supplied at least part of the raw material for the life on Earth. The theory is changing the way scientists think about life in the universe and raises the possibility of alien worlds.



## DANCE OF THE COMETS AND THE SEVEN STARS

Laura Anzola, Rodrigo Diaz, Claire Dorweiler, Melissa Palacio / Bauhaus Universität, Weimar

Dance of the Comets and the Seven Stars after an excerpt of Paul Scheerbart's „Kometentanz“ Falling rocks, shimmering comets and winking stars will let your minds be lifted into the sky and involve you in their astral dances. This movie is a combination of 2D- and 3D-Animation with motion picture. It is complemented by music rooted in the traditions of late romanticism and contemporary electronic music.

## COSMIC ADDRESS OF THE EARTH TRAILER

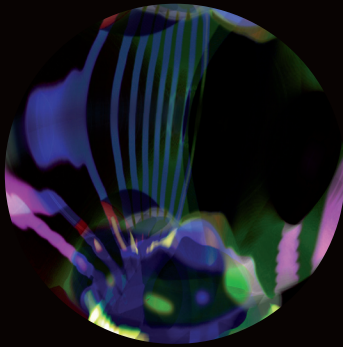
Nizhny Novgorod Planetarium

Short Film Night Part 1, May 22

A fulldome trailer presenting a new 45 min fulldome show "Cosmic Address of the Earth" produced recently by Nizhny Novgorod Planetarium.







## DELUGE

Michael Wyshock /  
Ringling College of Art and Design

Short Film Night Part 1, May 22

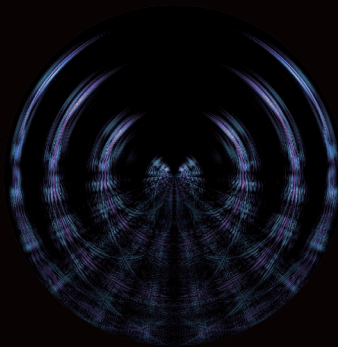
The format of this experiential video is centered on the idea of submersion by flooding. Treatments are meant to evoke the physical threat and visual beauty that can be found in acts of nature. This piece was entirely generated on the computer using planes of flat color that are composited and reorganized in software applications. The music „Deluge,“ is an excerpt composed by Fang Man, commissioned by the LA Philharmonic in 2008..

## ECHOLOCATION

André Wünschler (develtainment.com),  
Lawrence Curtis (CETACEA, Cutis Films inc.,  
Aqua Media Lab), Mark Fischer (Aguasonic)  
Micky Remann (Liquid Sound)

Short Film Night Part 1, May 22

Follow the trail of Cetacea, dive into an immersive underwater experience. Whales are heard in the darkness of the ocean, dolphins swim around as the sun lights up the deep blue. "Echolocation" combines wavelet visualizations of whalesongs, 3D animations, SpatialSound Wave audio and live footage of dolphins filmed with a RED Epic camera.



## EYE IN THE SKY

Grand Casino Baden / Xentromer

Short Film Night Part 1, May 22

Travel through the stars accompanied by the music from „Alan Parsons Project“. Music Video produced for the Dome at the Grand Casino Baden.

## FRIDA AND THE FOREST

Ralph Heinsohn

Short Film Night Part 1, May 22

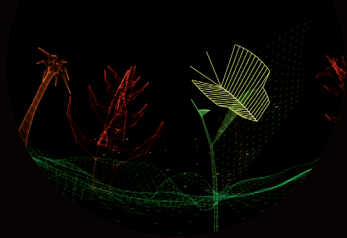
Frida and the Forest is a 10 minute fulldome movie about a little wooden caterpillar that teaches kids (aged 6-9 years) about the value of wood. The film spans a rollercoaster ride on a wooden marble run, the discovery of an old wooden attic and a mysterious wooden toy-cinema - and finally the travel to a real forest. The film is a hybrid regarding the visual dramaturgy and the concept: It is equally designed for both, unidirectional and omnidirectional seating layouts.



## FROM THE JUNGLE TO THE STARS

Ten Art Communications Jena

Short Film Night Part 1, May 22



Experience the visionary possibilities of virtual acoustics and 3D audio-animation in a fulldome production, enhanced by a spherical multi-channel audio environment! This clip presents a further scenic excerpt from our latest musical full-feature show "Loco-Dyna-Morphics", especially created for the SATIOISPHERE Montreal for opening ELEKTRA 2013. Thanks to the SSW Technology it's possible to create such syn-aesthetical AudioVisual Fulldome works also for the well equipped domes in Europe. Enjoy!

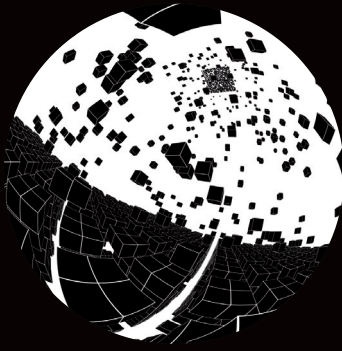
## GOPAL, PRINCE OF THE COWS' PLANET

FulldomeLab Thailand, Fulldome.pro

Short Film Night Part 1, May 22

On the beautiful planet Goloka somewhere far far away little cowboys shepherd countless herds of cows on the slopes of the Magic Govardhan Hill. Little Prince Gopal is among them. When the whole village prepares treats for King Indra, Lord of rain, thunder and lightning, he cannot understand why. He suggests to treat the Magic Govardhan Hill instead. Everyone agrees. Not receiving his annual treats Indra gets very angry. He decides to take revenge on the village people and Prince Gopal. Who will help them stop ruthless Lord Indra?





## GRIDWORLD

Neon Golden

Short Film Night Part 1, May 22

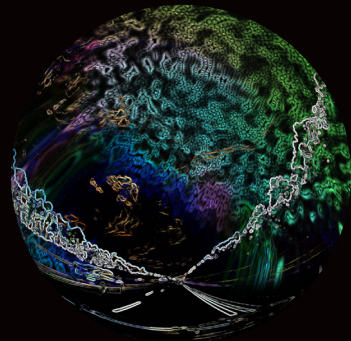
Experimental short which tries to explore the perspective of a sphere in a world of cubes.

## GULFSTREAM

Claudia Cumbie-Jones, Lance Ford Jones /  
Ringling College of Art and Design

Short Film Night Part 1, May 22

Gulfstream is a visual stream of consciousness depicting a drive along the coast of the Gulf of Mexico through places of personal significance and memory. The old structures destroyed by hurricanes are rebuilt tenfold; places are changed but still strongly evocative. Using time-lapse photography blended with analog video feedback, "Gulfstream" echoes a lifetime of experience.



## HIMALAYAN DREAMS

FulldomeLab, Fulldome.pro

Short Film Night Part 1, May 22

Modern city life is noisy and a hustle. When your nerves are jangled by deadlines, an overflowing e-mail inbox and a constantly ringing phone, it may be time to disconnect. Heading toward where the telecom towers ends, looking for peace and solitude. Escaping the rat-race of modern life in the remote stunning terrain. Enjoying the wilderness of the scenery and your inner divine nature. Isolated from the rest of the world, feeling like land's end one can awake and discover the meaning and purpose of life.

SHORT FILM NIGHTS,  
MAY 22 AND 23

## HORIZON LUDIQUÉ

Society for Arts and Technology  
Short Film Night Part 1, May 22

A 8-bit world pushed into a personal and colorful universe like a techno adventure of square pixels and syncopated sounds.



## HOT AIR BALLOON SHOW

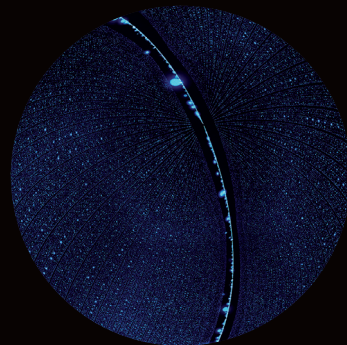
FulldomeLab, Fulldome.pro  
Short Film Night Part 1, May 22

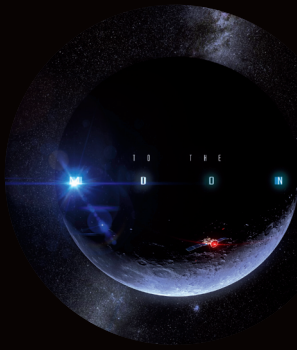
Till the 19th century balloons were used only for transportation of people and for military purposes. Nowadays balloons above all are means of entertainment, leisure and advertising. The romance of floating free in the air makes balloonflights so attractive for everyone. Have you ever wondered how hot air balloons stay up in the air so gracefully?

## INFINITE HORIZONS

Diana Reichenbach  
Short Film Night Part 1, May 22

A flight through an abstract landscape challenges perceptions of the horizon.





## JOURNEY TO THE MOON

KAF Production

Short Film Night Part 1, May 22

The aim of this movie is to educate pupils about the Moon more easily and in a funny way. The movie explains how and when the moon was created and what its topographical shape is like by narrating it from the sight of a rabbit.

## KILPISJÄRVELLÄ

Bufo

Short Film Night Part 1, May 22

Kilpisjärvellä presents the Northern Lights as they are experienced by someone watching them from the ground. We follow two cameramen who are working to record them on video as they walk through the tundra in order to get away from any artificial lights, and they look for the best spot to capture them. We experience the simple issues of their everyday life, such as getting water from under the ice, chopping wood or preparing a meal. Finally, we also see the lights themselves.



## NATIONAL OBSERVATORY OF ATHENS TRAILER

National Observatory of Athens

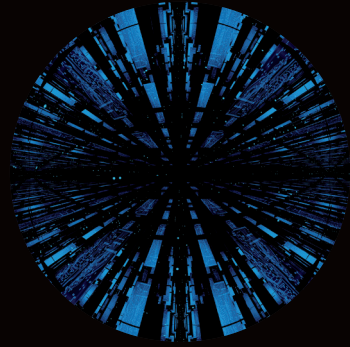
Short Film Night Part 1, May 22

The National Observatory of Athens is the oldest research Institution of Greece. Established in 1842, it has a variety of old facilities and astronomical instruments open to the public. This short trailer shows most of these facilities and acts as an invitation to the spectator to visit it. The trailer is based on time lapse videos and real animated images.

SHORT FILM NIGHTS,  
MAY 22 AND 23

## **NO TIME FOR FLOATING** Society for Arts and Technology Short Film Night Part 1, May 22

A science fiction influenced voyage through mysterious landscapes and strange worlds.



## **NYOTA** Helena Doyle, Aaron Kay Short Film Night Part 1, May 22

Nyota means star. Light frequencies are personified and evolve in this abstract experiential film.

## **OBLIVION** Nizhny Novgorod Planetarium Short Film Night Part 1, May 22

A fulldome clip for the composition "Oblivion" by Astor Piazzola.





## OUR UNIVERSE

### Zeiss-Planetarium Jena

Short Film Night Part 1, May 22

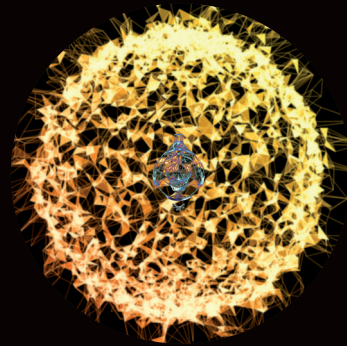
A trailer of the new astronomy show of the Zeiss-Planetarium Jena. The Zeiss-Planetarium turns into a spaceship and flies through our solar system and the whole universe. Join the ride!

## POLYHEDRA

### Society for Arts and Technology

Short Film Night Part 1, May 22

Everything seems complex, always changing, everything changes constantly, yet so simple because in the end, everything is rotation.



## REFLECTION OF THE UNIVERSE

### SVENSONS ART MEDIA

Short Film Night Part 1, May 22

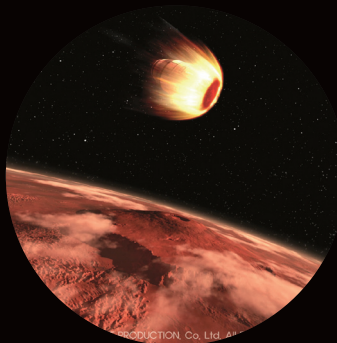
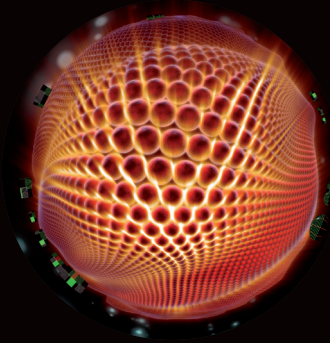
The first Russian international fulldome festival "Reflection of the Universe" was held in October 2013 in Yaroslavl. The Festival was a great success and became an interesting event for professionals and spectators. The best fragments of these works were compiled into a clip show. In May 2013 the organizing committee of the 7th FullDome Festival in Jena supported our idea and kindly agreed to promote the „Reflection of the Universe" festival.

## RIDE.zero

Society for Arts and Technology

Short Film Night Part 1, May 22

RIDE.zero is a playful journey through a graphical environment that values the virtual 3D space and physicality offered by immersive environments. "The World is like a ride in an amusement park, and when you choose to go on it you think it's real, because that's how powerful our minds are... We can explore space, together, both inner and outer, forever." -Bill Hicks



## ROAD TO MARS

KAF Production Co. Ltd

Short Film Night Part 2, May 23

In an era where man explores Mars he realizes the limitation of unmanned explore: yet Mars has only been successfully explored by robots for many years. Eric and Jane were lucky enough to grasp a chance to board on the Mars 7, the first man-controlled space probe...

Now, they take their first step, looking to reveal hidden treasures of Mars that might prove to be a second home for human kind.

## SAVEACOPYUSA

Stefan Berke, Duncan McMillan

Short Film Night Part 2, May 23

A study in beat synchronized animation, subliminals, and a great relief for the soul. Povray scripts from 2007, reworked for the dome + spatial audio processing in 2014. Disclaimer: As with most fulldome shows the technology deployed can further be used for military advertising purposes. Be warned, that your visual and auditive perception is spherical and that every experience will change you. This is raytracing for world slack. And don't forget: They may be pink, but their money is green.







## SWISS TRILOGY - CITY

Rocco Helmchen, Johannes Kraas

Short Film Night Part 2, May 23

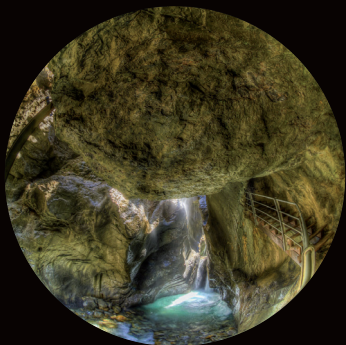
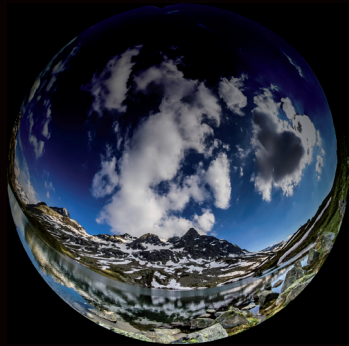
A trilogy of timelapse–fulldome moodshows, produced for the Grand Casino Baden, Switzerland.

## SWISS TRILOGY - MOUNTAINS

Rocco Helmchen, Johannes Kraas

Short Film Night Part 2, May 22

From the dramatic landscapes in the alps, over lakes and rivers to the pulsating life in the towns and cities.



## SWISS TRILOGY - WATER

Rocco Helmchen, Johannes Kraas

Short Film Night Part 2, May 23

The shows try to capture an immersive glimpse at the diverse beauty of one of the most fascinating countries in the world.

SHORT FILM NIGHTS,  
MAY 22 AND 23

## THE BATTLE OF THE KINGS

Oleg Pavlov,  
Nizhny Novgorod Planetarium  
Short Film Night Part 2, May 23

A fulldome video clip to the musical composition  
„Toccatà and Fuga D Minor” by Johannes Bach.



## THE BELLE OF THE BALL

Nataly Pavlova and Eugeny Groshevoy,  
Nizhny Novgorod Planetarium  
Short Film Night Part 2, May 23

A fulldome video clip to the musical composition  
"Belle of the Ball" by L. Anderson.

## THE H<sub>2</sub>O CYCLE

### Sliced Tomato

Short Film Night Part 2, May 23

Evaporation, condensation, precipitation, advection,  
humidity, transpiration and even evapotranspiration  
are introduced and taught in this video.

We are Sliced Tomato and we use live action FullDome  
videography to immerse the audience  
in the learning experience





## THE NATIVE STAR

### Large Novosibirsk Planetarium

Short Film Night Part 2, May 23

We present some trailers of the first fulldome film "The native star", which is going to be released soon by our planetarium film studio. The film is about the Sun and its influence on the Earth. The frames were filmed with special wide-angle optical camera in Buryatia and Baikal, where the observatories of the Institute of Solarterrestrial Physics are set.

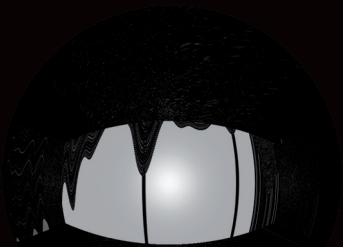
## TIME IS NOISE

### Society for Arts and Technology

Short Film Night Part 2, May 23

Second movement of the live immersive performance DROMOS created by Maotik & Fraction, Time is Noise, confines the viewer within a temporal accident with noisy radical aesthetics. Space and time are suspended in this chapter, where artists, fully utilizing the mechanism of immersion, play with appearances by deforming the space and sound field.

At the crossroads, this experience exposing the glitches of technological failure will not leave you indifferent.



## TOMORROWTOWN

### Schindler Ltd with NSC Creative

Short Film Night Part 2, May 23

We're taken on a journey of inspiration, through Babel town's green heart, moving through towers in an era of transportation systems that give us time to interact with the world around us; a cleaner, safer, more beautiful world. 'Tomorrow Town', brought to you by Schindler Ltd and produced by NSC Creative encourages us to look beyond what is and dream about what can be. Through creative and sympathetic design we can create a world for future generations that we can all be truly proud of.

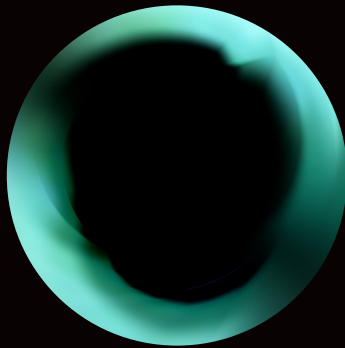
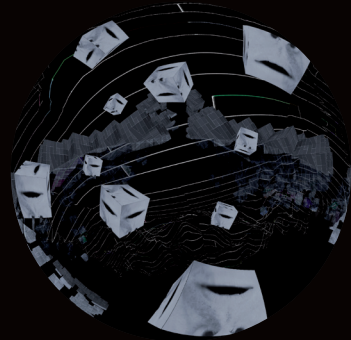
SHORT FILM NIGHTS,  
MAY 22 AND 23

## TRANSGRESS

Society for Arts and Technology

Short Film Night Part 2, May 23

A journey through a world filled of forms, images and sounds conflicting relations. Transgress depicts the act of rebellion, rejection of the established order. As the slow invasion of a continent by sea this universe of forms becomes the scene of a series of rhythmic revolts, visual distortions and video magnetic agitation.



## TRAJECTORIES: DEEP WATER

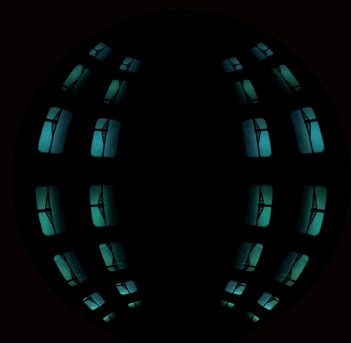
Society for Arts and Technology

Deep Water is a dip in a space where the viewer is invited to let themselves go in a organic universe-like soundtracks imaged unwritten synopsis.

## TREN ITALIA

Diana Reichenbach

Inspired by train rides in Italy, TREN ITALIA is a fulldome film immersing the viewer in the experience of travel.





## VOICES OF THE PAST

Eugenides Foundation

A full-dome time-lapse photography short film of the ancient Greek ruins that lie under the Aegean sky.

## WAITING FAR AWAY

Museum of Science, Boston

Through the creative process of producing planetarium shows, we often come across imagery that is stunning but doesn't work in the context of a science show. Our collection of full-dome astronomy art animations has matured into this new form of storytelling where we mix imagination with real data. Wade Sylvester and Jason Fletcher are Science Visualizers at the Charles Hayden Planetarium, Museum of Science, Boston.



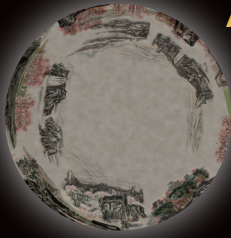
**back:up**

16. KURZFILMFESTIVAL  
WEIMAR 21.–25.05.2014

[www.backup-festival.de](http://www.backup-festival.de)



# STUDENT FILMS



## A CHINESE IDYLL

Xuanchao he/ Tongji University

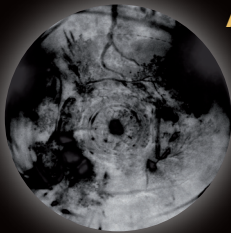
Our film pictures a harmonious world found in traditional Chinese paintings. Ahead of the curve lies a landscape of ancient China, offering a travel across time and space. We hope to bring our audience the experience of the harmony between nature and mankind.



## ACTIVATE UNLOCK

Nicolas Gebbe / HfG Offenbach

The watchman wakes up and sees the image of a girl who got stuck in a dead end. She cannot go on without him. The computers display a robot, a train operator, a pig. A series of carefully timed actions is necessary to activate the elevator mechanism that will let the girl continue her journey.



## ARE YOU IN THERE

Evan Mattson /  
Ringling College of Art and Design

We all work from a warped perspective, regardless of where we stand.



## BEAT

Tim Seger / HfG Offenbach

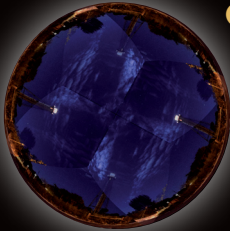
When Henry falls asleep at his working place in front of his typewriter he finds himself in a world he does not comprehend. At the border of society between rubbish and junk everything seems upside down. What are the weird shapes that are behind him? And how will he find out of this chaotic place?



## BLOOM

Corey Allen / Ringling College of Art and Design

With a slew of lush, enticing bursts of fluid color flourishing before the viewer, Bloom evokes a sensory experience akin to witnessing the spectacle of life blossoming into being.



## CASA DELLA LUCE

Chelsea Dorato / Ringling College of Art and Design

A brief time lapse of some of the nation's most well known structures. Lighthouses have been around for centuries, lighting the way and guiding sailors to their destinations.



## DER RASER

Felix Deufel / HfG Offenbach

"Der Raser" is an audioplay consisting of sound design, music and voice. The production was conceived for spatial audio and works intensely with movements of sounds in a three dimensional space.

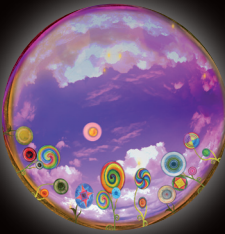


## DIE WUNDERTROMMEL

Robert Becker / FH Potsdam

Die Wundertrommel was one of the first attempts to create moving picture based on a sequence of illustrations. If the zoetrop was spinned fast enough a fluent animation was presented to the spectator. In this short movie this concept gets recreated and put in action as a spectacular attraction on a huge scale.





## FANTASY

Natalia Oliwiak /  
Nicolaus Copernicus University Torun

Fantasy - the animation is the colorful visualization of Janusz Bielecki music called Zaspokojenie. With the dancer hidden in the bubble we travel around amazing worlds towards the stars.



## FIRE OR ICE

Peggy Blount /  
Ringling College of Art and Design

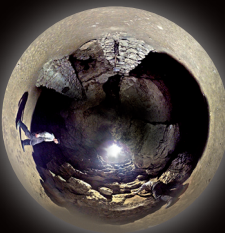
Fire Or Ice explores the complexity of the issues involved in the globally declining population of honeybees. The ecosystem of our planet will collapse if the honeybees become extinct.



## HANDMADE

Christian Öhl / HfG Offenbach

Hans, the left hand from the village Knucklefield rides his bicycle through the forest to visit his friend Helmut. But suddenly he can no longer see the wood for the hands.



## HARVEST SEASON

Doreen Keck / HfG Offenbach

It's dark and close. On stony ground two fieldworkers abide. The hole from which they fell lies high above them as they tempt to rouse attention to themselves. Communication though is a problem for the men are deaf.



## HIT THE SILK

Florian Meyer / Bauhaus-Universität

This short audio driven clip about sky diving shows a different approach of dealing with new possibilities in Fulldome-Production in terms of creating live-action content and how it can lead to a remarkable viewing experience.



## I KNOW WHAT I AM

Kortney Luby / Ringling College of Art and Design  
Music by Band of Skulls

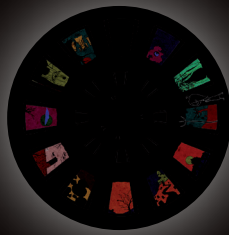
We become engulfed in an endless black and white tunnel with complimenting music. Introduced to two masked humans, one innocent and the other mischievous. The question forms of whom they are and if they are two separate beings – or even human.



## IMPRESSIONS

Nick Lennon / Ringling College of Art and Design

Impressions depicts how time is fleeting; how the impact we leave on our surroundings and each other can last lifetimes.



## NIGHTMARE

Tingwen Liao, Ziqi Peng, Qing Wang, Baining Ku,  
Cheng Gu / Tongji University

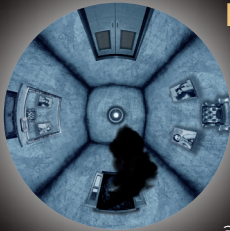
This short film describes the nightmare of a little girl who tries to escape from the shadows.



## NIXIES

Ashley Bonn / Ringling College of Art and Design

The sea calls out for a special soul. Can you hear the nixies' songs?



## NYCTOPHOBIA

Valeria Fribus / FH Potsdam

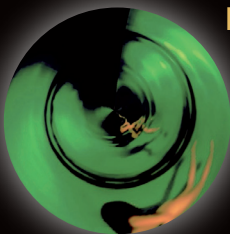
What do we know about darkness? Darkness is the absence of light. It induces clusters of illusions, an orchestra of specific sounds and sensations. Captivated by its shroud, a person doesn't see real objects, thus igniting his imagination into shaping intimidating visions. Nyctophobia, or "dark anxiety", is a genetic feature of every person, though it has plenty individual manifestations. The Fulldome-Project "Nyctophobia" will reveal the spectator's own notion of darkness, whirling him into a world of sounds, hallucinations and inconceivable phenomena until the light comes back.



## OF THE SKY

Andrew Halley /  
Ringling College of Art and Design

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



## REBIRTH OF NARCISSUS

Ariana Dongus / FH Potsdam

The work gives a note to the current discussion of how self portraits can be perceived in a digital world. A world where we are continuously surrounded with the production and distribution of images made possible by the internet and mobile devices. It comments to the production of images/self portraits that are being spread into a world that seems to function via a moebius-like surface.



## SCRAPS

Jurgis Jarašius / Lithuanian Academy of Music  
and Theatre / Music Innovation Studies Center

Scraps is a collage made of field-recording in autumn 2013. However, there is no intention of having the sounds recognized and related to their sources. Thus, abstract and transient sounds were extracted from the recordings. Most of them are different in their nature but similar in their color and length. The multilayered character of the piece is also reflected in its version for hemispherical loudspeaker playback and enriched by introducing movements of sound sources.



## SHADOW ROOM

Vanessa Wälzer / FH Potsdam

You will be surrounded by darkness and you are not quite sure where you are. The only thing you know is that you have to stay in this room until you are safe from the person on the other side of the door. The squeaky steps outside make you more and more nervous. Panic raises your heartbeat and the adrenaline pumping through your veins enhances your sense of hearing. Suddenly you realise that the door had been opened...



## SOLITUDE

Megan McShane /  
Ringling College of Art and Design

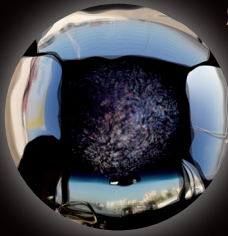
Featuring Ethan Demarest's original soundtrack, "The Solitude, The Peacefulness," Solitude narrates the connection between one man, wildlife, nature, and the cosmos.



## SPEED UP

Felix Deufel / HfG Offenbach

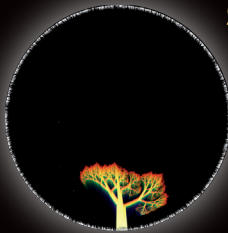
Speed Up is a spatial audio play, dealing with the speed of time and society. The speed up of everyday life in all different aspects forces many people to hustle and rush from dawn till dusk. The composition contains field recordings of different technical, noisy sounds like transportation, machines and mobile phones as well as synthesized sounds.



## STRANGE DRIVE

Aaron Kinsey / Ringling College of Art and Design

On this unexpected immersive journey, viewers will experience otherworldly distortions as they cross the bridge into Strange Drive.



## SYMMETRIC NATURE

Paul Schengber, Denim Szram /  
Hochschule Darmstadt

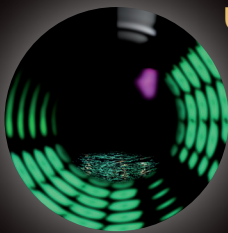
„Symmetric Nature“ plays with the characteristics of technique and nature and puts the spectator in an abstract collage of programmed pictures and natural sounds. By this abstract depiction of natural and technical phenomena the borders of nature and technique become blurred.



## UM MENINO

Flávio Bezerra, Eduard Tucholke, Laura Saenger /  
Hochschule für Bildende Künste Braunschweig

UM MENINO is an international short film presenting the fantastic dreamworld of a young boy who lives on the streets in South America. Real artists interact with a computer-generated environment with 2D and 3D elements, building an immersive experience. The international project was developed in cooperation with the band "Chimpanzés de Gaveta" (BR), the music-producer Sascha Pedrazzoli (A), Sascha Kriegel (Planetarium Wolfsburg), the Institut for Media Research Braunschweig.



## URBAN COSMOS

Miguel Diaz /  
Ringling College of Art and Design

Urban Cosmos provides a visual journey through an alternate universe where the aesthetics of space and urban features collide. The experience will take you through scenes of stardust fields and time-bending structures.

FRIDAY,  
MAY 31  
7:00PM

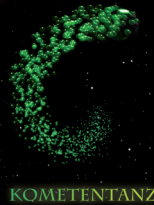
# SPECIALS

Being A Head In The Curve is about stretching the envelope of what's possible in the dome and beyond. A cherished tradition of the Jena festival has always been to offer dome-loving audiences glimpses of the 360-degree multimedia future. Enjoy the Specials for this year!

## KOMETENTANZ – ASTRAL PANTOMIME IN THE DOME

May 21st, 7:30 pm (Opening night) and May 25th, 11:00 a.m. (Matinee performance)

The Jena FullDome Festival 2014 starts and ends with a wondrous highlight: „Kometentanz – Astrale Pantomime“ by visionary writer Paul Scheerbart. Published in 1903, Kometentanz is now staged for the first time as a mix of



digital dome projection, dance, acting and music of the spheres. Stunning interaction of twenty artists in an immersive life performance, coordinated by Micky Remann. A treat not to be missed!

[www.facebook.com/Kometentanz](http://www.facebook.com/Kometentanz)

## DRIFTING THROUGH UNIVERSES – LUX AETERNA THEATRE

May 23rd, 11:00 pm

The Budapest based Lux Aeterna Theatre has been in operation since 1982. Performances enable visitors to plunge into waves of color and sound. Founder Daniel A. Friedman writes: "This method was created on the basis of theories and experiments



of the Bauhaus School. Because of this, we confess only live performances, where the light and laser artists do the play in front of spectators in completely original ways only based on diffraction and interference."

A treat not to be missed!

[www.360-theatre.org](http://www.360-theatre.org)

## DANCING IN THE DOME - LATE NIGHT SPECIAL

May 23rd, midnight

VJ Zaz & VJ Roger S., the famous United VJs, bring live visuals into the dome. Music is provided by DJ Noxlay of Liquid Sound Club. This is the premiere for the BlendyDome VJ mapping tool application, developed by Studio Avante and the United VJs, is a tool for Fulldome VJing.



Pedro Zaz (VJ ZAZ) is a new-media artist, working internationally with projection mapping, TV, club-VJ, stage design, audio visual performance and as an artist in fulldome / immersive cinema. DJ Noxlay heads Liquid Sound Club, home of electronic music under water.

## THE EARTH WINS

MAY 22, 11:00 pm

THE EARTH WINS is a powerful film that leaves the viewer with lasting images. It raises interesting ideas and questions which will engage students in the discussion and the development of important broad world concepts. The use of music and lyrics, the carefully worded captions and the powerful images themselves provide a vehicle for students and teachers to



contemplate their own ideas. The writer and director of the film is Jerry Grayson who has been a prominent helicopter pilot in the world of film-making since the '70s. THE EARTH WINS has therefore been shot entirely from the air and is a passionate plea to consider the interdependence of man with Mother Earth.



**TALKS  
PRESENTATIONS  
WORKSHOPS**



## THURSDAY

MAY 22

**10:00**      **Fulldomia Trialogue, Part 1:  
The business of quality**  
LICHTPIRATEN

**10:45**      Dan Neafus, Eduard Thomas and Carolyn Petersen; thoughts about producing, judging and distributing fulldome shows.

**11:00**      **Losing time and space –  
experiencing immersion**  
Diana Reichenbach

**11:20**      In this Artist Talk, Diana discusses the evolution of her interest in seeking immersion for audiences through fulldome, projection mapping, and architectural installations in both her independent and commercial work.

**11:25**      **How to display anything in any fulldome**  
Emanuel J. Zueger

**12:00**      At this year's FullDome Festival a fulldome media server called DOMEMASTER is in action, that allows to show any kind of fulldome footage without pre-slicing and displays interactive applications. The workshop provides an insight into the DOME-MASTER system. Emanuel J. Züger is founder of the company VIOSO GmbH.

## FRIDAY

MAY 23

10:00

### Interactive in the Dome, Part 1.

Anna Öst & Joakim Kilby (IXEL, Sweden).

Multi-user interaction in the dome.

10:25

10:30

### Interactive in the Dome, Part 2.

Robert Sawallisch, André Wünsch, Thomas Fritzsche

Fulldome Master graduates from Bauhaus-University Weimar demonstrate interactive applications with the VIOSO Domemaster system.

11:15

11:20

### Interactive in the Dome, Part 3

LiCHTPiRATEN

Interactive in the Dome, Part 3: LiCHTPiRATEN: audiovisual live installations and dome projections. Introduction of OMNIDO.ME for real-time content in the dome.

11:30

11:10

### Interactive in the Dome, Part 4

Pedro Zaz & Roger S., BlendyDome VJ

A new application developed by Studio Avante and the United VJs. It is a dome mapping tool and realtime domemaster slicer designed for Fulldome VJing.

11:40

## SATURDAY

MAY 24

10:00

### From Photography to Time-lapse Movie

Michael Schomann

What happens, if your screen is a hemisphere and your story the alternation of day and night? Come and enjoy the workflow to real illusion.

10:25

10:30

### CETACEA goes Fulldome

Lawrence Curtis

The experienced underwater cinematographer talks about using the RedEpic camera in the ocean and how to integrate it in a Fulldome show.

10:55

11:00

**Spatial Sound 2014 –  
Immersion, Intuition, Interaction**

Rene Rodigast



Update on the system and how it was applied to the new soundtrack of »Life of Trees«.

11:25

11:30

**Fullldomia Trialogue, Part 2:  
Introducing the Future**

Marcus Beyr and Kate McCallum will be telepresent via Skype.



12:00

Marcus Beyr (Sphere of Light Award) with Ed Lantz and Kate McCallum live via Skype from SAT ix Montreal)

# PROGRAM OVERVIEW



**DOME** (Planetarium)



**LOUNGE** (Tent)

## WEDNESDAY, MAY 21

- ▲ **19:30** "Kometentanz – Astrale Pantomime" (Comet Dance)

## THURSDAY, MAY 22

- ▲ **10:00** Fulldomia Trialogue, Part 1: The business of quality
- ▲ **11:00** Diana Reichenbach: Losing time and space – experiencing immersion
- ▲ **11:25** Emanuel J. Zueger: How to display anything in any fulldome
- ▲ **12:00** Break
- ▲ **12:30** Climate Change
- ▲ **13:00** Night Sky Concert
- ▲ **13:30** Break
- ▲ **14:15** Constellations
- ▲ **15:00** Firefall
- ▲ **15:30** Back to the Moon for Good
- ▲ **16:00** Break
- ▲ **16:30** Bella Gaia
- ▲ **17:00** Tabaluga
- ▲ **18:00** Break
- ▲ **19:00** Short Film Night Part 1; 30 short international films and clips
- ▲ **23:00**

SPECIAL: THE EARTH WINS

**FRIDAY, MAY 23**

- ◐ **10:00** Interactive in the Dome, Part 1
- ◐ **10:30** Interactive in the Dome, Part 2
- ◐ **11:20** Interactive in the Dome, Part 3
- ◐ **11:30** Interactive in the Dome, Part 4
- ▲ **12:00** **Break**
- ◐ **12:30** Rusty Rocket's Last Blast
- ◐ **13:00** The Blind Man with Starry Eyes
- ▲ **13:30** **Break**
- ◐ **14:15** Journey to a Billion Suns
- ◐ **15:00** Breath of Live
- ◐ **15:30** Beyond the Arctic Circle
- ▲ **16:00** **Break**
- ◐ **16:30** Cosmic Adventures
- ◐ **17:00** Harmonielehre
- ▲ **18:00** **Break**
- ◐ **19:00** Students' Night; 30 international student works
- ◐ **22:00** Short Film Night Part 2
- ◐ **23:00** SPECIAL: Drifting through Universes
- ◐ **23:59** SPECIAL: Dancing in the Dome  
VJ Zaz & VJ Roger S. United VJs

**SATURDAY, MAY 24**

- ◐ **10:00** Michael Schomann: From Photography to time-lapse movie
- ◐ **10:30** Lawrence Curtis: CETACEA Goes fulldome
- ◐ **11:00** Rene Rodigast: Spatial Sound 2014 –  
Immersion, Intuition, Interaction
- ◐ **11:30** Fulldomia Triologue, Part 2 – Introducing the Future
- ▲ **12:00** **Break**
- ◐ **12:30** Exploding Universe
- ◐ **13:00** Incredible Universe
- ▲ **13:30** **Break**
- ◐ **14:15** Adrenalin Universe
- ◐ **15:00** Dark Universe
- ◐ **15:30** River of Bears
- ▲ **16:00** **Break**
- ◐ **16:00** Ancient Skies
- ◐ **17:15** Dinosaurs at Dusk
- ▲ **18:00** **Break**
- ◐ **19:00** FullDome Festival Gala with Award Ceremony

**SUNDAY, MAY 25**

- ◐ **11:00** "Kometentanz – Astrale Pantomime" (Comet Dance)

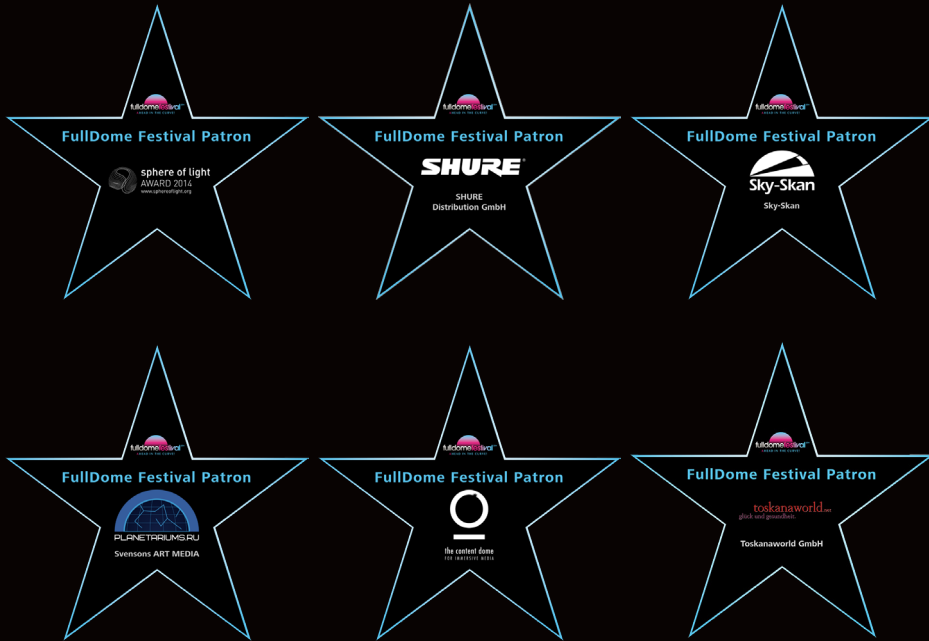
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Veranstaltungsort / Venue:

Zeiss-Planetarium Jena  
Am Planetarium 5  
07743 Jena, Germany

Information:

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[www.fulldome-festival.de](http://www.fulldome-festival.de)  
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