

www.fulldome-festival.de
eventbase: 11th FullDome Festival



May 17 – 20, 2017

Opening: 17th May 7:30 pm
Winnetou 360

PROGRAM

Editorial

Welcome fulldome friends from far and near, past, present and future!



Think of the Jena FullDome Festival as a band that releases a new album every year since 2007. You are now listening to »High and Round«, the ultimate soundtrack of 2017 with its new producer, the Fulldome Festival Foundation. The title reflects our belief that the dome is round indeed and the playlist makes you high.

Art historians of course value their collection of past album covers. Precious memories! Don't wait to save the date for the next FullDome Festival, May 23 to 27, 2018. The album title outlines the maxime for 2018: »The Power of Twelve«.

First and foremost, thank you for taking the time to come to the Jena Planetarium, absorb the program, meet your peers and immerse in inspiration.

The FullDome Festival Directors

Saturday, May 20th. 8pm

Grand FullDome Festival Gala with JANUS-Award Ceremony and finalists' shows.

Jury decisions will be announced and Award winners will be applauded. Choreography interludes with Tanzduo Vainno and a live message from Kelley Francis from Santa Fe.



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Image credits

Title and page 3: stills from the feature show »Phantom of the Universe«, courtesy of Lawrence Berkeley National Lab; page 7: still from the feature show »Auroras - Lights of Wonder«, courtesy of METASPACE. Page 12: still from the short film »The Game«, courtesy of Natalia Oliwiak; page 25: still from »Siren Song«, courtesy of Genevieve Sierra; awardees pages: still from »Anthozoa«, courtesy of Sylvana Lautier & Kim Yip Tong; jury and overview pages: still from »Venus«, courtesy of Tomasz Kisiel.



AWARDEES 2016

Last Year's JANUS Awardees

JANUS First Year Students' Award

Patrick Pomerlau and Sean Caruso, University of Sherbrook; Québec, Canada, for the student contribution »Cernunnos«, decided by the FullDome Festival jury, donated by the California Academy of Sciences, San Francisco.

JANUS Creative Award

Nicolas Gebbe, Hochschule für Gestaltung Offenbach, Germany, for the student contribution »Scalariat«, decided by the FullDome Festival jury.

JANUS Performance Award

Joanna Saleta, University of Silesia, Poland, for the student contribution »The Shadow«, decided by the FullDome Festival jury.

JANUS Audience Award

Sriram Srivigneswaramoorthy, Hochschule für Gestaltung Offenbach, Germany, for the student contribution »protokoll_001«, voted by the audience of the Festival Gala.

JANUS Audio Award

Kate Ledina, Bauhaus University Weimar, Germany, for the student contribution »Kikakokú«, decided by the FullDome Festival jury.

JANUS Emphasis on Emotion Award

Johannes Ott, Hochschule Darmstadt, Germany, for the student contribution

»Aurelio«, decided by the FullDome Festival jury, donated by Aqua Wellness Institute, Musia Heike Bus.

JANUS Best in Science Visualization Award

Ralph Heinsohn, Ocean Mind Edutainment, Helmholtz-Zentrum Geesthacht, for the short film »Clockwork Ocean«, decided by the FullDome Festival jury.

JANUS Directors Award

NSC Creative, Leicester, UK, for the feature film »We Are Stars«, decided by the FullDome Festival Directors.

JANUS Frameless Frenzy Award

Hiroaki Umeda, S20, as part of Mons 2015, European Capital of Culture – Digital projects for the short film »Intensional Particle Dome Installation«, decided by the FullDome Festival jury.

JANUS Award for Use of Innovative Production Technologies

Hannes Vartiainen, Pekka Veikkolainen, Nordic FullDome Production, Finland, for the feature film »The Secret World of Moths«, decided by the FullDome Festival Directors, donated by Sky-Skan, Inc.

Best Short Film Award

George Aistov, FullDomeLab, Chiang Mai, Thailand, for the short film »Samskara«, decided by the FullDome Festival jury.



AWARDEES 2016

Last Year's Honorable Mentions

Dan Arnold, Rich Clements, »thiscountry-side«, Denver, USA
for the short film »A Murmuration of Light«

David Gardner & Chris Saunders/
George Aistov, Likuid Art/FullDomeLab,
Chiang Mai, Thailand
for the short film »Art Universe«

Kwon O Cheol, Hug media, Seoul,
Republic of Korea
for the short film »Aurora, Experiencing
Real Substorm«

Melbourne Planetarium, Museum Victoria,
Melbourne, Australia
for the feature film »Capturing the Cosmos«

George Aistov, FullDomeLab, Chiang
Mai, Thailand
for the short film »Chiang Mai Deep
Trip«

Makoto Azuma, NHK Enterprises/
P.I.C.S; GOTO Inc., Tokyo, Japan
for the short film »Flower Universe«

California Academy of Sciences, San
Francisco, USA
for the feature film »Incoming! Asteroids,
Comets, and the Hard-Hitting Stories of
Our Cosmic Origins«

Shelley Kuo Johansen, Robin Sip, Gene
Chiu, Winner Audio & Video Corp, Be-
hind the Scenes Media, Mirage3D
for the feature film »Life under the Arctic
Sky«

Sean Caruso, Société des Arts Technolo-
giques, Montréal, Canada
for the short film »MultiVerses«

Spitz Creative Media, National Center
for Supercomputing Applications, and
Thomas Lucas Productions, Inc., in asso-
ciation with the Fiske Planetarium at C.U.
Boulder, USA
for the feature film »Solar Superstorms«

Morehead Planetarium and Science Cen-
ter, University of North Carolina - Chapel
Hill, USA
for the feature film »Take Flight«



fulldomefestival
foundation

JURY
2017

INTRODUCING THE 2017 FULLDOME FESTIVAL JURY

We are honored to introduce the people who have agreed to donate their time and expertise to review fulldome shows eligible for an award in the 2017 contest. The jury works independently of the festival organizers or any company or institution. The jury members select all student finalists and decide which shows deserve a JANUS Award along with prize money and certificate. All award winners will be announced and applauded at the Festival Gala on May 20th.

MAREN KIESSLING



Docent for film at Martin-Luther-University Halle-Wittenberg at the Department of Media and Communication. Dedicated to the »Cinema of the Future« and especially to »High Frame Rate« in Spatial Films in her doctoral thesis.

DR. MACIEJ LIGOWSKI



CEO and founder of Creative Planet and co-founder of the Copernicus Science Center in Warsaw, mainly Copernicus Planetarium. He is the creator of the first studio in Poland producing fulldome films and thus also a producer and script writer.

ANJA-KARINA RICHTER



CEO of Bayerisches Filmzentrum, worked for prestigious film productions. As supervisor she is responsible for education and financing of industry events and symposia. Her main fields of work deal with strategy, network and controlling.

MARKUS SCHÄFER



Co-founder of the content dome GmbH and HO3RRAUM Media GbR. Promotes the dome by turning well established content- and entertainment brands into »high and round« productions. Worked for Havas, The Walt Disney Company and BMG.

DR. CHRISTIAN THEISS



Director Mannheim Planetarium. As an astrophysicist at universities in Kiel and Vienna he was mainly concerned with star systems and galaxies. He also worked as surveyor for journals and research communities.



FEATURE SHOWS



SATURDAY
3:00 pm

AFTER CHERENKOV *Masashige Iida (35 min)*

The production AFTER CHERENKOV explores shifts in the ideas of "life" in the aftermath of the Fukushima Daiichi Nuclear Power Plant disaster through an immersive, 360-degree full-dome dance movie that grew out of collaboration between a visual artist and dancers. With the invisible waves of radiation permeating the air with anxiety, our physical perceptions rise to new levels of sensitivity. AFTER CHERENKOV paints that reality on a canvas of domed darkness, projecting the experience in discarnate visual entities.

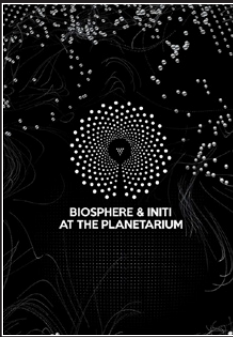


THURSDAY
6.00 pm

AURORA: LIGHTS OF WONDER

Metaspace (25 min)

These are not the usual time-lapse images but high resolution video at 30 fps taken by special multi cameras with low light sensors. The audiences will experience sophisticated and still dynamic features of the real Aurora storm. Also, scientific explanations and beautiful art works about the legend of the aurora are featured throughout the movie.

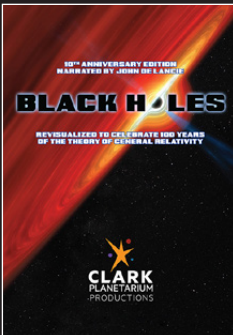


SATURDAY
5.00 pm

BIOSPHERE AND INTI AT THE PLANETARIUM

The Chemistry Galery (48 min)

An exclusive performance of the Norwegian ambient music legend Biosphere happened to be the top performance of last year's festival Spectaculare. The performance was in an unusual space -- Prague's Planetarium, complemented by full dome projections by visual artists Dan Gregor and Dalibor Cee from Inti Studio. The performance is built on Biosphere's albums Patashnik, Cirque and Substrata and had a truly "spectacular" backdrop. Music production with the visual component merges into one complex experience.



THURSDAY
2.00 pm

BLACK HOLES: the 10th Anniversary Edition

Clark Planetarium Salt Lake City (35 min)

We are proud to present Black Holes, the 10th Anniversary Edition, a completely revisualized show, made in celebration of the 100th anniversary of Einstein's Theory of Relativity and the 10th anniversary of our first production of Black Holes. The show tells the story of the science and mathematics that first predicted the existence of Black Holes one hundred years ago and goes on to show how our understanding of Black Holes has developed over the years.



SATURDAY
2.00 pm

DER MOND - EIN MÄRCHEN UNTER STERNEN

Zeiss-Planetarium Jena (45 min)

Four brave adventurers from the land without moonlight are looking for a miracle to illuminate the night sky. They have to cross dark forests and solve the most difficult puzzles. But with courage, luck, a talking pig and especially thanks to your help, dear children, they succeed in finding the Moon. What they don't know is that something terrible is about to happen, when the Moon is not hanging in the sky anymore. Its light is shining below the ground.

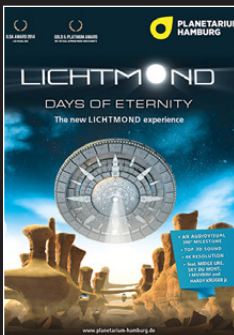


FRIDAY
2.00 pm

HELLO EARTH

Copernicus Science Centre (31 min)

»Hello Earth« is leads the audience through centuries of human communication and tells the story of how it changed the world and our lives. We believe that »Hello Earth« will put forward a range of interesting topics to explore but also that it will provide you with an immersive unique experience, both visually and musically.

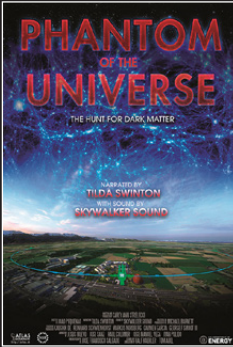


SATURDAY
4:00-4:55 pm

LICHTMOND - DAYS OF ETERNITY

PLANETARIUM HAMBURG & BLU PHASE-MEDIA GMBH (55MIN)

With LICHTMOND -- "Days of Eternity" gold and platinum awarded sound architects Giorgio and Martin Kopphele continue their artistic journey by setting another audiovisual milestone. Perfect sound and a fabulous, song-based story merge in a full-dome experience that takes the viewer on a fantastic journey to the pristine world of the planet "Chronos", the universal giver of time, where time goes by, time disappears and time is born.



FRIDAY
3:00 pm

PHANTOM OF THE UNIVERSE

Lawrence Berkeley National Lab (23min)

Phantom of the Universe is about Dark Matter, from the Big Bang to the Large Hadron Collider. It reveals the first hints of its existence through Fritz Zwicky. It describes the astral choreography witnessed by Vera Rubin in the Andromeda galaxy then plummets underground to see the world's most sensitive Dark Matter detector. From there the show guides you to the Large Hadron Collider at CERN, alongside colliding particles, while learning how scientists around the world collaborate to track Dark Matter down.



THURSDAY
4:00 pm

PLANET NINE

The Kavli Foundation & Adler Planetarium, Chicago (27 min)

Follow Mike Brown and his team at CalTech as they uncover dwarf worlds like the remarkably bright Eris; Haumea, an egg-shaped object rotating incredibly fast; and Sedna, whose orbit takes it deep into the far reaches of the Solar System. Is there a new planet beyond these distant objects? We'll tag along on Mike Brown's first night searching for the ninth planet at the Subaru Telescope in Hawaii.

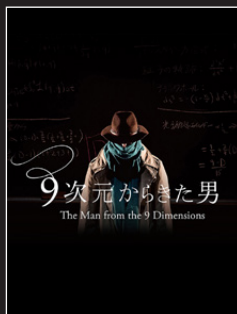


THURSDAY
5:00 pm

RILAKKUMA'S PLANETARIUM

SAN-X CO., Ltd. / Dwarf / GOTO Inc. (25 min)

Spreading over the starry sky, there are constellations and the world of planets going around the Sun. They appear very far away, but Rilakkuma takes you through the world of stars which actually exists very closely. Actual puppets are used in the show. A puppet is moved one frame at a time to make a sequence of frames in series. Once such series of frames are played, they become a sequence of stop motion animation. The puppets do deliver and result in the warm texture and create a very relaxed and slow-tempo perspective of the world.



FRIDAY
4.00 pm

THE MAN FROM THE 9 DIMENSIONS Miraikan, National Museum of Emerging Science and Innovation, Japan (30 min)

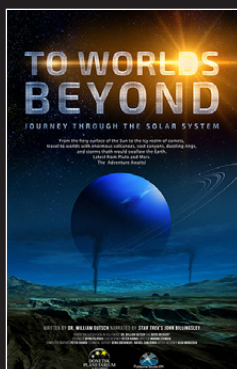
»The Man from the 9 Dimensions« is a 3D full-dome film on the "Theory of Everything", the ultimate goal of physics to describe all natural phenomena by a single consistent theory. Be ready to be surprised by the new world of vibrating strings and hidden dimensions predicted by the Superstring Theory. The show seamlessly fuses live action scenes, mesmerizing CG, and the latest techniques of scientific data visualization and guides you through the esoteric world of theoretical physics in a way never seen before.



FRIDAY
5.00 pm

THE SECRETS OF GRAVITY – IN THE FOOTSTEPS OF ALBERT EINSTEIN Softmachine Immersive Productions, Munich (45 min)

Why do things fall to the ground without magic? The young magician's apprentice LIMBRADUR is far more interested in the universe and its secrets than boring magic spells. He is fascinated by the stars, the universe and the laws of nature. So, one night he sneaks into the Albert Einstein Museum, where he meets ALBYX3, a small, clever but rather quirky robot who knows all about Albert Einstein and his theories...



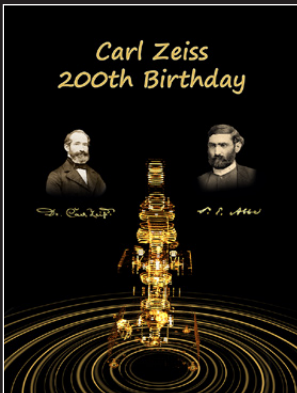
THURSDAY
3.00 pm

TO WORLDS BEYOND Donetsk Planetarium, Ukraine (28 min)

From the fiery surface of the Sun to the icy realm of comets, travel to worlds with enormous volcanoes, vast canyons, dazzling rings and storms that would swallow the Earth. The adventure awaits!

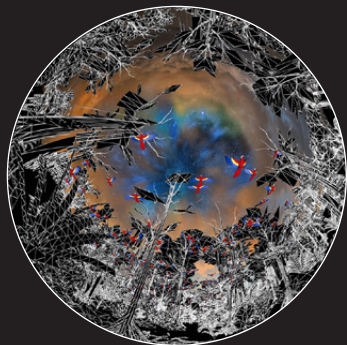


SHORT FILMS



200 YEARS CARL ZEISS
Kate Ledina & Liese Endler,
Bauhaus University Weimar (7 min)
Thursday, 7:30 pm Short Film Night

The mechanic Carl Zeiss opened a small workshop for precision mechanics and optics in Jena in 1846, laying the foundation for today's global technology player ZEISS. His work shaped the reputation of the city of Jena as an international center for optics and photonics and home to globally operating companies and prestigious research institutes. His passion for precision is legendary and still characterizes the company ZEISS, its employees and its products today.

**AR**

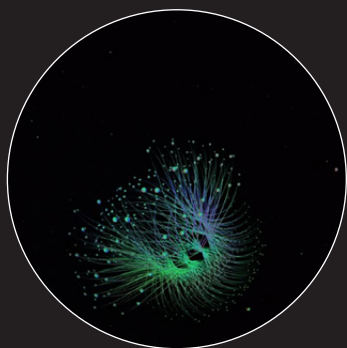
United VJ's, Outras Telas, O2 Filmes (3 min)
Thursday, 7:30 pm Short Film Night

»AR« brings messages about what Brazil has to offer: the environmental heritage, the importance of sustainable economic practices, creativity, determination and a constant search for innovation. Does the piece's name mean »AR« for Augmented Reality or the air that our lungs breathe?

**BEYOND EVENT HORIZON**

Olga Falko & Rico Sperl,
Bauhaus University Weimar (8min)
Thursday, 7:30 pm Short Film Night

Join "Kosmo" an alien child from another world on his exciting adventure to find his lost and beloved father. Many years ago he left his son to acquire knowledge about the unknown universe. On his journey Kosmo faces many unexpected obstacles. A magical pendant he got from his father helps him to overcome these difficulties and to get closer to his goal to meet his father again. »Beyond Event Horizon« is a modern fairy tale written and animated especially for the fulldome format.

**CARTWHEEL**

Ken Scott, Digital Chaotics (6min)
Saturday, 3:45 pm

Music by Tripswitch. Visuals by Chaotic.



CUADRO

Lucas De Marziani, Entre Ríos, Argentina,
(11 min)

Friday, 2:45 pm

The title Cuadro ("frame") refers to the minimal unit for the assimilation of audiovisual information. The work proposes different movements, constructions and deconstructions of sound and images, from the developing of the elements of sound and visual composition. Taking a song as the kickoff point, it's all about rescuing the instant, the fleeting among the chaos, and turning it into an indelible memory.



DARKNESS

Hannes Wagner, Florian Klein, Christian Meyer & Alexander Misgin; Germany (4 min)
Thursday, 7:30 pm Short Film Night

A man, hunted by ghosts, runs through the forrest and starts to fade...

Converted from VR to Fulldome.

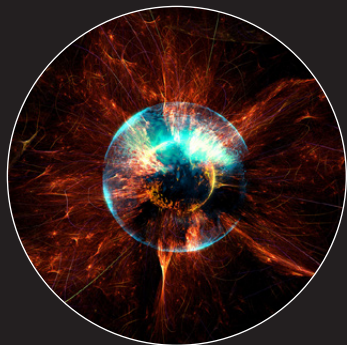


DAS SILBERNE SEGEL (MEDLEY)

Tobias Wiethoff,
Zeiss Planetarium Bochum (8 min)

Thursday, 7:30 pm Short Film Night

Is one brave enough? Does one believe in the dream? Does one get on the way? The hearts of men, dark with fear, yearn for the glimmer of the silver sail. The mythical music poetry of Wolfram Eicke and Hans Niehaus, produced by sound geeks Dieter Faber and Werner Becker, is always an acoustically powerful sound experience for listeners from 9 to 99.



DIMENSIONS – ONCE UPON OUR REALITY (SHOWREEL)

Rocco Helmchen & Johannes Kraas,
Zeiss-Planetarium Bochum (5 min)

Friday, 4:30 pm

What is Reality? Just a product of our minds? A mathematical machine? Are there parallel universes? How do they look? A few questions a fulldome show will never be able to fully answer, but it can ask them in a very interesting way. Using music and visual artistic interpretation it transports audiences to fascinating worlds where they find space to think and feel. Showreel with excerpts from a work in progress.

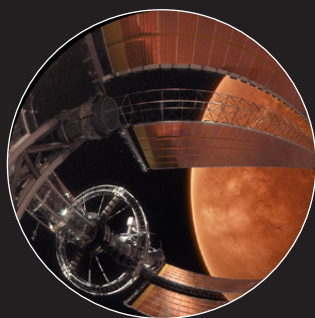


EUROPAPARK

Rocco Helmchen & Johannes Kraas,
Grand Casino Baden (7min)

Thursday, 7:30 pm Short Film Night

A fulldome moodshow commissioned by the Grand Casino Baden to get audiences excited about Europapark. A vivacious, colourful collage of timelapses, on ride action and backstage views into Germany's largest themepark, which has been awarded the "Themepark-Oscar" for the best in the world for two years in a row.



EXPLORE

Creative Planet Maciej Ligowski (3 min)

Thursday, 3:40 pm

Mars, for centuries it's been an object of human fascination. Once mysterious, it soon may become our new home. This became possible thanks to individuals like Johannes Kepler: fascinated with the world, striving toward discovery and embracing challenges it may bring. It is our duty to continue their work... Explore, Dream, Discover.

This short movie is a preview of a fulldome production to be released summer 2017.



FASTER THAN LIGHT: THE DREAM OF INTERSTELLAR FLIGHT

Spitz Creative Media, Mirage3D, Thomas Lucas Productions (5min)

Thursday, 6:40 pm

The impulse to strike out into the unknown, to see what's over the horizon is as old as humanity. Today, a whole new horizon beckons. Scientists now believe that our galaxy is filled with solar systems, including up to 9 billion sun-like stars with planets similar to Earth. Astronomers are racing to find habitable worlds. But if we find one, how will we ever get there? Faster Than Light! the Dream of Interstellar Flight will dazzle audiences with virtual rides aboard spacecraft of the future. How far can our technology take us?



GWxAS MEATWAD

Golden Wolf, London (5 min)

Saturday, 5:50 pm

Where do we come from? What is that smell? Is anyone listening to me? Our brand-spanking new dome show won't answer these questions. Instead, hold on as you challenge your mind and stomach to 360 degrees of trance-inducing hallucinations and what's possibly a near-death experience.



HIDDEN GARDEN

Fusako Baba, Japan (7 min)

Saturday, 6:00 pm

There is a garden created with light and sound. It exists in consciousness. Occasionally flowers of afterimage quietly bloom. For a while, we drift in an absent garden.

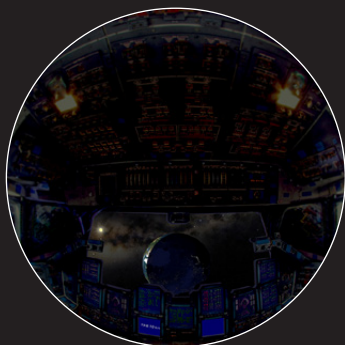


ISS 360° TOUR WITH TIM PEAKE

NSC Creative, UK (10 min)

Thursday, 4:30 pm

Immersive tour of the International Space Station. Working together with BAP (British Association of Planetaria), NSC Creative has produced a short immersive 360° experience which takes the viewer around the ISS (International Space Centre) to see what it is like to live and work in space. Narrated by British Astronaut Tim Peake who has successfully completed his 6 month Principia mission. The project was supported by the UK Space Agency and the European Space Agency with additional support from Explorer Dome, Centre for Life and the National Space Centre.



JOURNEY TO THE CENTRE OF THE EARTH

Techmania Science Center, Czech Republic
(6 min)

Friday, 3:30 pm

People have discovered all the continents, landed on the moon and observed the beginning of the universe. But how much do we know about the very structure of our Earth? We know quite a lot, but most information about structure and composition still eludes us. Come aboard and explore the limits of our knowledge of the Earth.

THE PLANETS 360



JUPITER – THE PLANETS 360

NSC Creative (3 min)

Thursday, 7:30 pm Short Film Night

The Planets 360 is a re-imagining of British composer Gustav Holst »The Planets« orchestral suite. It uses the awe-inspiring Fulldome format to create a sonically driven and immersive experience. Each movement is a self-contained piece so that the perfect playlist for each audience can be created by choosing classic or contemporary interpretations of each planet. The project aims to bring teens, young adults and mature adult audiences to planetarium and science centre venues by fusing art, music and science into a 360° spectacle.



KYIZ UI

Diana Suyerbayeva
Bauhaus University Weimar (6 min)
Thursday, 7:30 pm Short Film Night

The goal of my film is to show the Central Asian nomads' yurt as a microcosm that mirrors and represents their perception on of the world.



LOVE TOWN: COMING OUT IN CONFLICT ZONES

Loved Collective, Amnesty International,
RCA, City Lit (5 min)
Thursday, 7:30 pm Short Film Night

Growing up in a conflict zone is devastating for a young person. Besides the basic concerns of health, education and well-being, there is the ongoing psychological trauma. Now imagine the person is gay. In Love Town, gay men speak about coming out in conflict zones. Comparing the situations in Northern Ireland during the troubles and Iran during the revolution, this film brings the added dimension of full dome to experience those times for ourselves.

MARS
ONE THOUSAND ONE

MARS 1001 TEASER

Robin Sip, Mirage3D, Evans & Sutherland
(1 min)
Thursday, 3:30 pm

Teaser of the Mars 1001 film currently in production. This film will have audiences experience the first manned mission to Mars as if it is happening today. The mission will take roughly one thousand days and fly an international crew to Mars and return them to Earth. Embark on the greatest adventure ever and unlock the secrets of the new World! Mars 1001 will be released in May 2018.

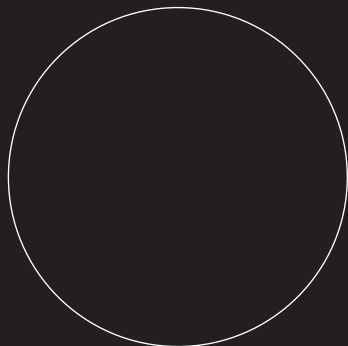


MICE AND THE MOON (TRAILER)

Minsk Planetarium, Belarus (1 min)

Thursday, 5:40 pm

This is a tale about two little mice Peep and Chip who wondered if anybody bites the big Moon Cheese shining in the sky? The bats didn't know the answer, neither did the Wise Owl. But luckily Peep and Chip met two astronomy-savvy robots who explained what the Moon is indeed. They told about the Moon Mares without any water or Moon fish, showed the Moon craters through the telescope. Peep and Chip were so impressed they wished they could fly to the Moon one day! This fairy-tale is for curious kids.

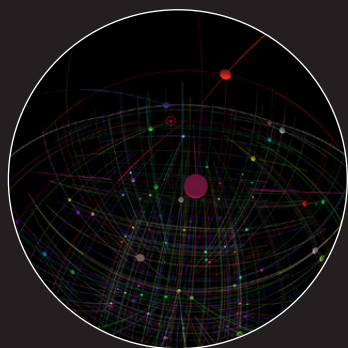


MININ

Max Savchenko, Russia (8 min)

Thursday, 7:30 pm Short Film Night

360 degree film about the unique icebraker "Minin" in the origin of Angara rive - the only river flowing out of Baikal lake.

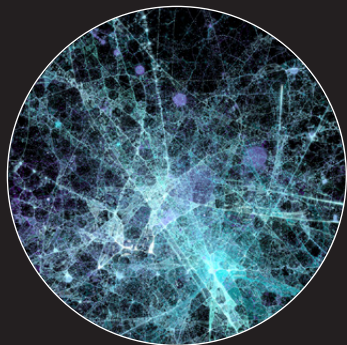


MUSICBOX

Lance Ford Jones, Ringling College of Art and Design (4 min)

Thursday, 7:30 pm Short Film Night

»musicBox« reflects my most recent experiments in the Processing language; a brief immersion in a virtual self-playing musical instrument consisting of tuned spheres in a transparent cube where collisions sound notes through both internal synthesis and midi signals. The animation was rendered in multiple passes using a virtual 6 camera rig and stitched in After Effects. In the sound mix is a 2003 recording of a mockingbird that was used as an element of the soundtrack for our first fulldome piece.



NEPTUNE

Natalia Oliwiak, EC1 Łódź - Łódź-Miasto
Kultury Poland (8 min)

Thursday, 7:30 pm Short Film Night

A musical visualisation to Gustav Holst's "Neptune". An artistic vision of travel to Neptune and its interior. The spectator is immersed in fantastic images of artistic forms, entering deeper into the depths of watery space.

Animation: Natalia Oliwiak Scripting: Piotr Wychudzki
Music: Gustav Holst - The Planets, Op. 32: Neptune, the Mystic.

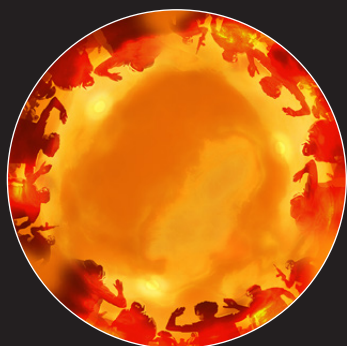


NEPTUNE – THE PLANETS 360

NSC Creative, UK (2 min)

Thursday, 7:30 pm Short Film Night

The Planets 360 is a re-imagining of British composer Gustav Holst The Planets orchestral suite. It uses the awe-inspiring Fulldome format to create a sonically driven and immersive experience. Each movement is a self-contained piece so that the perfect playlist for each audience can be created by choosing classic or contemporary interpretations of each planet. The project aims to bring teens, young adults and mature adult audiences to planetarium and science centre venues by fusing art, music and science into a 360° spectacle.



ORANGE SKY

Ari Daniel and the Charles Hayden Planetarium, Museum of Science, Boston (10 min)

Thursday, 7:30 pm Short Film Night

»Orange Sky« is an excerpt from the program »Stories Under the Stars« and was originally presented live at the Charles Hayden Planetarium in Boston in April 2016. It was one of several true stories from scientists exploring the event's theme of »Light in the Dark«, all unfolding beneath the canopy of our cosmos.



RONA AND THE MOON

Kara Vandeleur & Yael Gezentsvey,
OHU Domes, New Zealand (6 min)
Thursday, 5:30 pm

»Rona and the Moon« tells the New Zealand Maori myth of how Marama, the Moon, came to look the way it does in our Southern skies today. We meet Rona on the night of a full moon, in a quaint fishing village as she prepares a feast for her family's return from the great seas. There are many versions of this story from different iwi (tribes) of Aotearoa (New Zealand). Each tells the tale of how Rona's sharp temper and quick tongue serve as a reminder that, to every impulsive reaction there can be great consequences.



SELA

Eugenides Foundation, Greece (5 min)
Thursday, 6:30

Selas (Greek: Aurora). A full-dome time-lapse photography short film that presents the spectacular panorama of the Aurora Borealis. Images taken from the full-dome films »Experience the Aurora« (produced by Evans & Sutherland) and »Life Under the Arctic Sky« (produced by Mirage3D and BTS Media).



SOUNDS OF SPACE

Arthur Kondrashenkov, Alexander Us, Alexey Rozov, Maxim Bitiukov, Anton Nguyen; Sila Sveta; Moscow (10 min)
Thursday, 7:30 pm Short Film Night

A fantasy about what lies behind the horizon of events, where time and space are relative and laws of physics do not work. No one knows what is out there, but thanks to the digital imagery we can imagine a journey to deep space, a trip to the mysterious Black Holes. Produced initially for Sound Up Russia by Sila Sveta and shown at the Moscow Planetarium, the project featured music by Dmitry Evgrafov -- immersive works by the young Russian composer were another inspiration for the graphics.



SPECIAL PLACES: WRITING-ON-STONE

Don Hill, *Appropriate Entertainment Ltd.*
(8 min)

Thursday, 7:30 pm Short Film Night

There are "songs in the land," says Leroy Little Bear, a Blackfoot Indian and guide to SPECIAL PLACES: Writing-on-Stone, a panoramic tour of a spirit-filled land that hugs the border between Canada and the United States. It's a landscape of eerie hoodoos, endless sky, and a starfield that's out of this world. There's also the persistent wind that shapes this special place, a sound that is felt as much as it is heard...

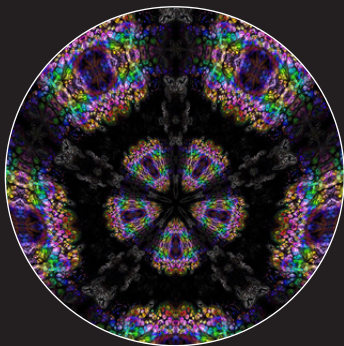


THE GAME

Natalia Oliwiak, *Poland* (5 min)

Thursday, 7:30 pm Short Film Night

A short animation maintained in a vintage style showing a story of a man who tries to find his happiness and fulfillment in the casino. By throwing a coin into a slotmachine he activates the game and sets the ball of destiny in motion. The ball that from now on will decide his fate. Henceforth the gaze of the audience is attached to the mans destiny by chasing the ball inside the arcade machine.



THE IMAGINARY

Claudia Cumbie-Jones & Lance Ford Jones,
Ringling College of Art and Design (5 min)

Thursday, 7:30 pm Short Film Night

The beauty of the analog signal, and its inherent wildness and unpredictability, is the inspiration for »The Imaginary«. Formed from repurposed analog video and audio signal processing, and channeled through After Effects using Trapcode, »The Imaginary« creates an immersive structure that contains the spontaneous stream of imaginary thought.



THE LITTLE PRINCE & THE STAR OF WISH

SORA & GOTO INC (14 min)
Thursday, 7:30 pm Short Film Night

Long, long ago, a prince live in a mysterious castle. He wants to catch a shooting star because he really wants his wish come true. He waits and waits for many nights by looking up at the sky, and finally the night sky filled with shooting stars comes. Can he make his wish come true? This is a heart-warming story of a prince who never gives up.



THE MAGIC OF DARKNESS

visuarte, Munich (7 min)
Thursday, 7:30 pm Short Film Night

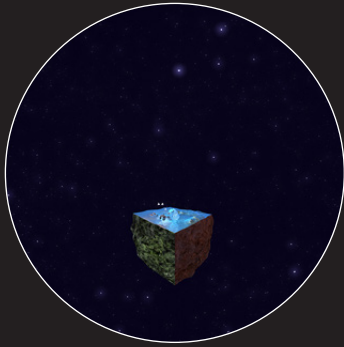
»The Magic of Darkness« is a commercial production by visuarte Munich for the ZEISS Planetarium Division. It renders customer experiences and ZEISS' visions on their planetarium products and technologies by means of interviews. Visuarte developed the specific fulldome arrangement to set the interviews in visual context.



THE PHILOSOPHER'S APPLE

Naito Kaoru, Japan (9 min)
Friday, 6:30 pm

360 VR Picture Book inspired by Isaac Newton's discovery of the law of universal gravitation. One day, the philosopher found a beautiful apple. However he tried to get an apple by various means, he found nothing go well... At a loss as to what to do, the philosopher had discovered the law of the universe.

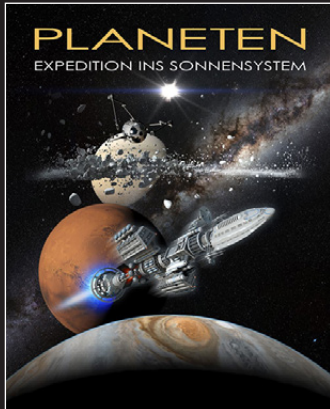


THE PLANET CUBE

Nahomi Maki, Tokyo University of the Arts &
Kanagawa Institute of Technology, Japan
(5 min)

Saturday, 2:45 pm

»The Planet Cube« is an experimental fulldome film about a journey to an imaginary planet that has cubic shape. In the film, the Planet Cube has faces, and each face is different world of blue, red and green. This film take audiences to a calm journey landing on each world, discovering and experiencing the surreal imaginary landscape.



THE PLANETS – A JOURNEY THROUGH THE SOLAR SYSTEM: MARS & COMET

Björn Voss, LWL-Planetarium Münster &
Freundeskreis Planetarium Bochum e.V.
(15 min)

Thursday, 2:45 pm

Mars, Saturn, Jupiter: remotely controlled spacecraft have explored all our planets, their fascinating landscapes and exciting vistas. Thus we can envision today what astronauts of the future might experience. Travel with us to these worlds, and discover the wonders of the planets! In this first part of »The Planets«, experience the exploration of Mars and of a comet...

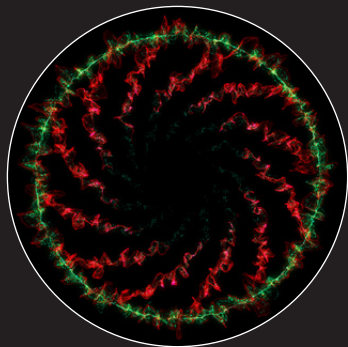


VELVET ORDER

Keiko Kimoto, Japan (5 min)

Thursday, 7:30 pm Short Film Night

A summer night. Looking up at the sky, fireworks make us recall various memories. This work consists of an algorithm based on non-linear mathematics. Stir of time and space is expressed by layers of coordinates. Fragments of memories which are neither 2- nor 3-dimensional would drifts through your heart.



VENUS

Joanna Smolarczyk, EC1 Łódź - Łódź-Miasto
Kultury Łodzi, Poland (8 min)

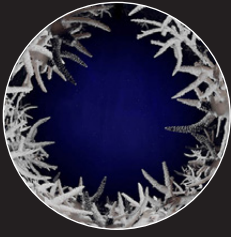
Thursday, 7:30 pm Short Film Night

An abstract visualisation to the music of Gustav Holst, a piece called Venus. The presented film is a kind of impressionistic image of planet Venus. It is filled with warm colours that help to immerse in the world of senses and feelings.

STUDENT FILMS

Friday, 7:30 pm

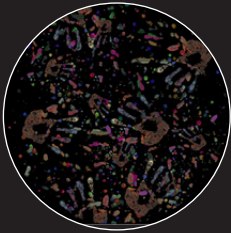
Students' Night



ANTHOZOA

Sylvana Lautier & Kim Yip Tong
Royal College of Art, London

Providing food and shelter to millions of species coral reefs bloom under the surface. Put under stress by rising temperatures, overfishing and pollution, corals expel the algae living in their tissue and reveal their ghost-like skeleton. Accompanied by hydrophone recordings of submarine city sounds, Anthozoa is an ode to the ocean and its aweinspiring biodiversity.



BLIND WORLD OF LITTLE KARL MAY

Jingyi Li, Bauhaus Univeristy Weimar

Inspired by the Karl May's personal experience of four years of blindness when he was a little boy. Back than he explored the world with his little hands and understood the outside through the inner soul, which was found, told and accompanied by his lovely grandmother. His imagination in the blackness created the adventure world in his latter novels.



CHAMBER

Deike Schwarz, HfG Offenbach

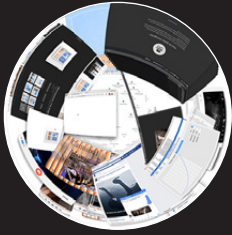
Drive park wait . drive drive drive drive stop wait . park . park . drive
drive wait drive wait drive park . drive drive stop . drive wait . wait .
punch!



CIRCUS OF ANXIETY

Lisa J Burgess & Mike Wyeld
Royal College of Art London

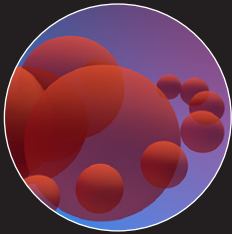
The title derives from the historical practice in which male doctors forced female patients displaying symptoms of hysteria to perform for an audience. The immersive space of the full dome has been used in an experimental way, aiming to communicate the intense feeling of this experience.



ctrl2esc

Johannes Lampert & Laurus Edelbacher,
Universität für angewandte Kunst, Vienna

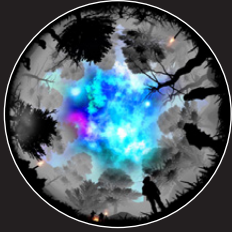
Internet, Windows, Folder, Pop Ups, and Errors. Our workflow, my desk-top. Power ON! From the first mouse-click to force quit.



CYCLES

Juliette Poggi, Royal College of Art, London

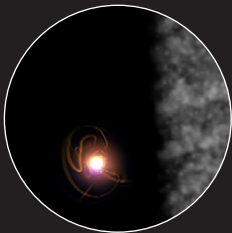
The woman's body is in constant mutation. Through this short movie this mutability is represented. Travelling in an unknown space the female form is revealed: imposing yet mysteriously intangible.



DAS INDIANISCHE MEISTERSTÜCK

Raphael Schardt, Bauhaus University Weimar

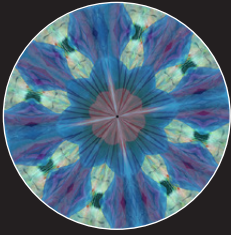
The story is based on the »Ein indianisches Meisterstück« by Karl May: A group of native Americans get captured by a horde of bandits. One of the natives manages to escape and is about to return with two other friends to free his brothers. Can the chief rescue his brothers in this dark gloomy forest?



DAS VERSTEINERTE GEBET

Verlis Shih Li, Bauhaus University Weimar

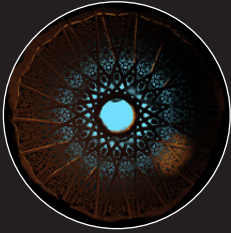
How is the feeling about praying with emotion "Ecstasy" or "Desperate"? When you close your eyes and let ears "see" the world, which is full of dark energy, battle field and light triumph the darkness in the end, not necessarily, the answer will appear.



DHYANA

Jordan Daher, Ringling College of Art and Design,
Sarasota, USA

Dhyana means profound abstract meditation that is the penultimate stage of yoga. Visually this piece is a reflection of Ajna imagery as the sound offers tones of Tibetan OM bowls attuned to your third eye, and your crown chakra. This video symbolizes uninterrupted train of thought, present cognition and the energy flow of awareness.



DURCH DIE WÜSTE

Kei Kitamura, Bauhaus University Weimar

Based on the novel »Durch die Wüste« by Karl May: A man travels the Sahara desert. Suddenly his guide and camel were killed, and he was left in the middle of the desert without water, food, transportation and hope. In the extremely severe environment, he experiences hallucination while he is losing consciousness.



EXPERIMENT

Kate Ledina, Bauhaus University Weimar

A battle inside your head. A feeling, a problem, a threat, an experiment...



FLUCHT - EIN DYSTOPISCHES KALEIDOSKOP

Cora Braun, Nico Kuhn
Mediendom der Fachhochschule Kiel

Germany 2030: a nationalistic regime has taken over and led to the decomposition of the EU. An economic war with unpredictable consequences flared up; right-wing extremists of the military revolt and establish a dictatorial regime; civil war, displacement and escape are ruling. "FLUCHT" tells the story of eight refugees, who flee from Germany to the South - a dystopic kaleidoscope of anger, vulnerability and fear..



GASTFREUNDSCHAFT (IN BLAU DUR)

Jing Augusto-Wüthrich, Bauhaus University Weimar

A Meissen Porcelain inspired visuals integrated into a story of friendship between author Karl May and his most beloved character Winnetou. It showcases the music culture of Dresden and accentuates the so called German GASTFREUNDSCHAFT.



GEOSYNCHRATIC

Matthew Wissing, Ringling College of Art and Design, Sarasota, USA

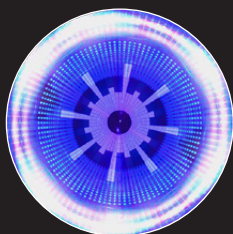
I define Geosynchratic as the experience of tuning into the rhythmic, geological foundations of the planet, and feeling yourself existing in synchronicity with the pattern of the whole. The inspiration for this piece came from a desire to explore images that connect earthly themes with the fantastic.



INTO THE SUBLIME

Alice Kilkenny, Royal College of Art London

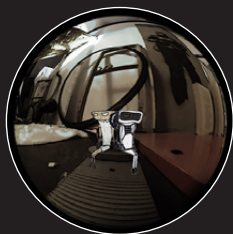
The film explores space in the digital sublime and its transformative effect on human consciousness. Taking the audience from structured form, through chaotic disarray, into new aesthetic resolution, it considers how sublime transcendental experience has modernised. Our sense of self as a physical form will become abstracted into virtual space.



L'AMOUR EST BLEU

Natalie Palumbo, Ringling College of Art and Design, Sarasota, USA

I wanted to incorporate my fascination with infinity mirrors, refraction of light, and prismatic effects that continually respond to the intensity and rhythmic changes of the musical composition.



LOCO_MOTIV

**Sebastian Birkhoven & Felix Weisz
University of Applied Arts, Vienna**

»loco_motiv« shows a toy train journey through the leftovers of digital art projects from our colleagues in Vienna. The animated protagonists hop on and off this rotating train not caring about their environment..., but we do.



MELANCHOLIA: FACES OF EMPTINESS

Joanna Saleta, University of Silesia, Poland

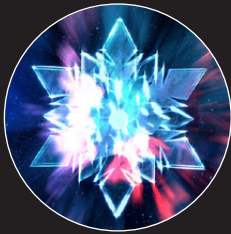
Surrealistic journey through impressions of loneliness and emptiness. Done in Unreal Engine 4. Music by Scott Buckley.



NACHTMAHR

Elia Hüneburg, Fachhochschule Potsdam

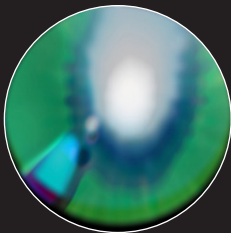
An old man lives alone in his old house, except for his cat of course. He lives within memories and artifacts from a long lived life. Someday, something grows somehow inside of his sheltered memories and something becomes alive and haunts him at night. Even if we dont, cats can see ghosts. And the old mans cat is out for a hunt.



NORTHWAY

Hayley Nelson, Ringling College of Art and Design, Sarasota, USA

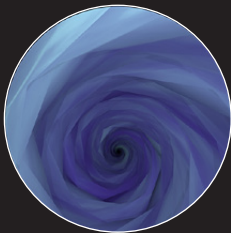
The fury and beauty of the arctic circle await you as you take the journey »Northway« through blizzards, mountains, and ice to see the glittering spectacle of winter's majesty.



ONLY THROUGH LIGHT IS VISION POSSIBLE

John Dillard, Ringling College of Art and Design, Sarasota, USA

The world of images in which we exist is proliferated by a single force. Light is the foundation of visible perception and its representation is our understanding of the image. The sun bestows to us this force and brings substance to almost all life. Its unrelenting force permeates into my studio and this work became an artifact of my relationship to this origin point.



OUT OF REACH

Leona Kang, Ringling College of Art and Design, Sarasota, USA

When life deals us the cards we are forced to play, it is all or nothing when we want to choose to throw that hand away for a better chance; a choice that only takes a moment determines the outcome of this game.



PARADISE

Rushton Koopman, Ringling College of Art and Design,
Sarasota, USA

Fly through a tropical island and hear the waves crash on the beach and the seagulls sing in this completely artificial environment.



PERIODS OF SPACE

Thomas Hochwallner, University of Applied Arts
Vienna

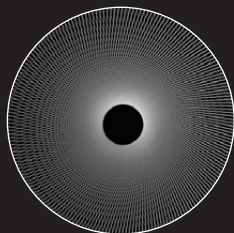
This animation visualizes camera-tracked environments and projections in 3D space. The root material was recorded in Hong Kong in 2016.



SIREN SONG

Genevieve Sierra, Ringling College of Art and Design,
Sarasota, USA

Inspired by the Greek tales, »Siren Song« allows the audience to be dangerously seduced by one of the deadly mythological creatures.



SKYLARK

COLLECTIF ARCAAN, Saint Paul en Cornillon, France

Skylark is an audiovisual experience about moiré pattern. The dome immersion allow larges scales interferences patterns with the displaced of, at least, two grid patterns. In a permanent generated abstract world, a bird »skylark« is the single opportunity to escape of the multiple oppresives jails, tunnels and linear variations of convolutions from moiré effect.



SPACE ELEVATOR

Shanshu Li and Sujing Lin, Fachhochschule Potsdam

In 1895 the idea of the Space Elevator was designed by Konstantin. It was a concept for a space rail station of the 21st century. We interpreted this concept with typo animation.



SUB

Peter Várnai, University of Applied Arts, Vienna

Where do ideas come from? Fall back into this unconscious landscapes. SUB is an exploration of the mental pathways of the artist during his creative process. The audience is taken on a journey through the mind as ideas take shape, burst and dissolve. Automatic drawing, a surrealist technique through which the subconscious expresses itself was used to create a non-rational narration.



SYGHT

Sriram Srivigneswaramoorthy, Rotraut Pape
HfG Offenbach

Adopt the crisis in times of digital relations. Manifest your own self. Bear the fragrance of night. Be the denouement of fear. Artificial solutions for her and him. Visit our post digital spheres of reality.



THE RECEIVER

Lisa Tobschall, Thanh Nguyen Phuong &
Julian Dannenbaum, Fachhochschule Potsdam

This song is about love visualized as a parallel world. Love which is unfulfilled, full of emotions but still not satisfying. It is about an internal struggle with lots of ups and downs reaching to infinity and dragging someone in its wake.



THE VILLAGE

Ulas Yener, Bauhaus University Weimar

The animation is about an imaginary and peaceful village which is in the Middle Eastern part of the world. While it was colorful and charming during spring and summer seasons, it becomes dark and dismal into fall and winter. At the end, it is destroyed by attacks. The story is inspired by Karl May and the Middle Eastern wars.



UNTERWASSER

Esra Demirel, Bauhaus University Weimar

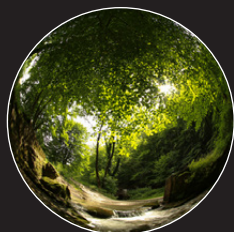
Underwater worlds are always fascinating and got a lot of mystery inside. In one of his stories Karl May is dreaming about the underwater world. On this journey he come across skeletons and he is exploring the dark side of the underwater world. From beyond the limit of imagination depths of space, this story drifts you into the depths of the underwater world.



WAVES

Rudy Craig, Ringling College of Art and Design, Sarasota, USA

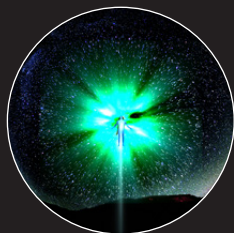
I created »WAVES« as an experimental piece based upon a lecture by Richard P. Feynman about the nature of light. The unseen and unknown have always had a firm grip on my imagination. Using drone footage of the Sarasota Lido Key, I was able to capture the waves of the ocean.



THE WAY OF WATER

Robert Daniel, Freie Waldorfschule Gladbeck

»The Way Of Water« shows how water affects our landscape from low and high angles (slider, jib and multicopter) in real time and timelaps footage as well as photorealistic animations. It takes you on a journey from spring to ocean.



WINNETOU'S ASCENSION

Emilio Aguas Rodriguez, Bauhaus University Weimar

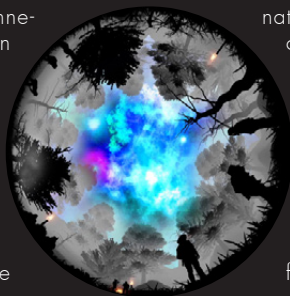
One of the main characters in the Karl May's books is the powerful and wise Winnetou, the peace bringer among the native american tribes, as a recognition for his hard labor. This is an interpretation of how it is possible to transmit all his knowledge to the upcoming generations through the power of the spiritual animals into a self discovery mind trip.

SPECIALS

WINNETOU 360 – "SCHARLIEH WIR MÜSSEN REDEN" FULLDOME THEATER PERFORMANCE

Wednesday, 7:30 pm (Opening night)

The fulldome theater show »Winnetou360« (Scharlieh, wir müssen reden -- Scharlieh, we need to talk) will premiere at the grand opening of the 11th FullDome Festival at the Zeiss-Planetarium Jena. The play features adventurous and fantastic, pacifist and avantgarde stories by German author Karl May. His life and his most popular creation, the



native chief »Winnetou«, are the focus of digital episodes in 360 degrees, live audio play, shadow dance and performances by the magnificent "Collegium Canticum Dresden" choir. What is it, that the reanimated Winnetou needs to talk about with Karl "Scharlieh" May? Answers are given in the fulldome theater show.

LUCID DREAMSCAPE – LIVE PERFORMANCE WITH J-WALT

Thursday, 11:00 pm

J-Walt is a director, interactive designer, filmmaker, performer, graphic artist, music composer, and VR pioneer. For more than a quarter century, he has been at the forefront of interactive art and computer performance, expanding the uses of computer animation into uncharted territories. »Lucid Dreamscape« is an experience not to be missed! It is a live musical vis-

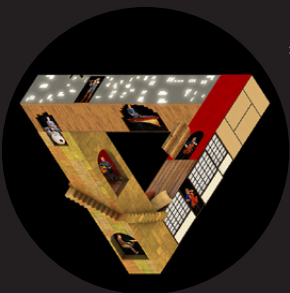


ual experience. J-Walt utilizes the latest in interactive computer graphics techniques to bring paintings to life. The result is an improvised real-time immersive animated world that unfolds before the audience. This artwork incorporates elements of animation, theater, dance, painting, sculpture, music, architecture, and interactive art.

miRATIO – A CONCERT IN VIRTUAL SPACE

Friday, 11:00 pm

A production by the Medien-dom Kiel and the musician and composer Jens Fischer. Abstract spaces with extraordinary perspectives, created by 3D artist Bob Weber, form the backdrop for a concert in which the real and virtual worlds merge.



»miRation« uses the Fraunhofer IDMT 64-channel sound system in a unique way. In an impressive 3D sound space Jens Fischer plays live together with musicians, who appear in videos.

FRAMELESS FORUM

THURSDAY
MAY 18

- 10:00** **Welcome. Introducing Fulldome Festival Foundation**
Festival Directors and team
What's new in 2017, why is it »High and Round?« and what's next?
- 10:10** **The quest for quality in fulldome production – what are the criteria?**
Fulldome Curators
The Festival team has asked experts in the field to curate the nominated full length feature shows and state what they contribute to the ongoing quest for quality in fulldome production.
- 10:20** **Introduction to WorldWide Telescope for Planetariums**
Dr. Christian Dick, Carl Zeiss AG, Planetarium Division, Jena
WorldWide Telescope (WWT) was a research project to visualize astronomical and other 3D data developed by Microsoft. The software is released to third parties to develop it further. Users can navigate through the starry sky, explore its objects, travel across the solar system, and tour the universe in three dimension.

HOW TO...WORKSHOP

- 10:30** **How to do timelapse photography for the dome**
Maciej Mucha, Warsaw
Maciej Mucha is a leading dome technician and the deputy head of The Heavens of Copernicus Planetarium in Warsaw, Poland. Maciej will provide tips and tricks in time lapse photography for the dome. Participants will be guided step by step and learn about practical tools and software.
- 11:00** **How to do real-time aurora VR**
OChul Kwon, Seoul
This presentation introduces the process of filming the aurora in real-time VR video and making it into a fulldome movie. Selection of super-sensitive camera, VR rig making optimized for night sky shooting, Noise reduction, VR stitching and ect.
www.aurorawonder.com
- 11:20** **Q&A How to... Workshop**

THURSDAY MAY 18

AUDIO DOME NEWS

- 11:30 **Multilingual audio system for the dome.**
Hans von Seggern, Berlin
The tonwelt trigger Point-system allows to follow any given show in various languages at the same time. At the end of the day it will lead to your show attracting more visitors than ever before.
www.tonwelt.com
- 11:45 **Disruptive concepts for the dome: "Die drei ???"- casestudy**
Markus Schäfer, Hamburg
Planetarium as a venue for audio plays with dome visuals.
www.youtube.com
- 12:00 **Q&A Audio Dome News**

- 12:10 **Altair Fulldome Cinema – global platform for distribution fulldome shows for VR headsets.**
Alexey Irkov, Novosibirsk
Altair Fulldome Cinema is the first global platform for distribution fulldome shows for VR headsets. We have created a realistic VR digital copy of the planetarium hall and allowed any user to enjoy watching the best fulldome shows on a huge spherical screen. We also plan to digitize some of the largest planetariums in order to be able to select the environment in which users want to be while watching.
www.altair360.com, www.fulldomevr.com

- 12:25 **Open Forum for all**
Make a statement, leave an impression. Short, colourful presentations and spontaneous inspirations welcome. This Forum is the perfect arena to introduce work-in-progress projects, seek cooperations, exchange ideas, experiences, and revelations.

FRIDAY MAY 19

- 10:00 **Is the 360 TV-Dome the next big thing in television?**
Stephan Witthöft, Salve.tv, Erfurt
The new "TV-Dome" studio of Salve.tv attempts to bridge the gap between the 2D medium of conventional television and the multi perspective, surround world of 360-degree fulldome environments. The challenge is intermedial, superdimensional and ultradimensional.
www.salve.tv

FRIDAY MAY 19

10:15 Immerse in virtual water. 360-degree films in the Spa world.

Klaus Lohmann, Bad Sulza

Toskanaworld is one of the first companies in the Spa and hospitality business to embrace 360-degree and VR media as marketing and communication tools. It grew naturally out of the Liquid Sound multimedia pools at Toskana Therme, which offer □real□ immersion in water, sound and light.

<http://toskanaworld360.net/>

10:30 Why travel reporting goes 360°

Elisabeth Yorck von Wartenburg & Christian Hoffmann, Berlin

Deutsche Welle's travel desk features 360-degree videos of famous destinations. Our productions are shown on Youtube and Facebook. Take a look at this example: a 360° tour of the New Palace in Potsdam.

www.youtube.com

SOUNDS ROUND TO ME

10:40 SpatialSound Wave

René Rodigast, Ilmenau

SpatialSound Wave is an object based system for producing and replaying true-to-life three-dimensional sound. While the system allows the listener to virtually immerse in the sound and enjoy an acoustically realistic sound experience, it offers sound engineers and other users new options to easily and efficiently produce spatial sound.

www.idmt.fraunhofer.de

10:50 Spatial Audio Toolkit

Marko Herrmann & Markus Schack, Kiel

The Spatial Audio Toolkit converts 3D or 2D positioning data to automation data in a SpatialSound Wave session. No more dragging audiosources manually. The tool was developed during the production phase of the show »miRatio« produced at the Mediendom of the University of Applied Sciences in Kiel.

11:00 Immersive audio content for FullDome and VR

Tom Ammermann, Hamburg

How to create immersive audio content for FullDome and VR applications. Impressive new possibilities are available to reproduce AV presentations in Domes and on VR Devices.

www.newaudiotechnology.com

11:10 Q&A Sounds Round To Me

- 11:25** **VR-Hybrid-App novelty**
André Wünscher, Halle
Presenting a new player for dome & VR content
- 11:35** **Snice 2.0**
Jackie Dittrich (Kiel)
Snice 2.0 is a multiplayer version of the well known game snake. Snice however is not about collecting cherrys in order to grow, but staying alive as long as possible and trapping the other players so they lose the game. Last year we already presented a 4-player version of the game, that runs with Digistar, but this year we're releasing an 8-player version, that runs on any system!
- 11:45** **360Touch.it**
Axel Meyer, FH Lübeck, Planetarium Hamburg
Experience an award winning local multiplayer fulldome game! Play with many opponents on the dome using your own SmartPhone. 360Touch.it is an interactive multiuser system that allows all visitors to join multiplayer fulldome games. Everybody can control an individual character with his SmartPhone and interact with the other participants while listening to the music of »Kollektiv Turmstrasse«. This technology is a very entertaining and joyous competitive interaction. Play it!
360Touch.it/
- 11:55** **In Which You Are a Fox**
Jonas & Jakob Laugs (FH Lübeck, Planetarium Hamburg)
We Tried to Make a Game: "In Which You Are a Fox"
- 12:05** **Q&A Interactie Dome Action**

12:15

The Dome as a deep Learning Environment

Sara Siebert, Kiel

KiSOC and the impact of immersive media. Kiel Science Outreach Campus (KiSOC) is a new science campus of the Leibniz Association supported by the Leibniz Institute for Science and Mathematics Education (IPN) and Kiel University (CAU). Among other things, KiSOC will research the beneficial impacts of immersive media in science outreach, using the example of Nano, Surface and Interface Science (KiNSIS) in cooperation with the Mediendom of the University of Applied Sciences Kiel. Sara Siebert presents KiSOC and her graduation project.

www.kisoc.de

12:25

Domography and high frame rate

Maren Kießling, Halle/Wittenberg

Domography and High Frame Rate. Pertaining to my research about Future Cinema especially the change of the visual dramaturgy in context of "new" technologies like 3D, Fulldome, VR, HFR and so on, I will outline the importance of visual narration. Fulldome by its nature allows many different viewpoints. E.e., it is important to understand how the viewer moves their head during each shot and to know what is achievable. In two full dome studies I was able to consider habituation, feelings/perception, perception of focus, quality and rhythm, also presence and immersion. I will show some results of the studies and how HFR can support spatial films in their dramaturgy.

www.marenkiessling.de

12:35

Dome without chairs

Mohammad Jaradat, Weimar

The project in the form of a 360° fulldome animated film will examine the differences between the conventional fulldome with seating and the fulldome without traditional seating. The hypothetical expectations that will be examined are: That while the seating in a conventional fulldome theater, like a Planetarium, restricts the experience of the audience, the fulldome without traditional seating gives its user an opportunity to interact with the space more fully.

12:45

Q&A New Approaches To Study The Dome

SATURDAY

MAY 20

10:00 Das Neue Licht – Laser in the Dome

Christian Gölles (Graz)

The laser, an artificial source of light that often does not only question our perception, but also enables us to communicate in new ways, which could enrich us on many levels. We think of this communication as a new approach in the field of fine arts. To make use of this multimedia landscape we created a brochure along with a website where further information is available.

gld-industries.com

THE MAKING OF GREAT NEW FULLDOME SHOWS

10:15 Making of "Der Mond"

Robert Sawallisch, Jena

Four brave adventurers from the land without moonlight are looking for a miracle to illuminate the night sky. If they manage to reach their aim with the help of magic objects and what a talking pig has to do with it will be found out in a presentation in the making of »Der Mond« (The Moon).

<http://www.planetarium-jena.de>

10:25 Making of »The Secrets of Gravity«

Peter Popp, München

Why do things fall to the ground without magic? The young magician's apprentice LIMBRADUR is far more interested in the universe and its secrets than magic spells. He is fascinated by the stars, the universe and the laws of nature. So, one night he sneaks into the Albert Einstein Museum, where he meets ALBYX3, a small, clever but rather quirky robot who knows all about Albert Einstein and his theories.

www.softmachine.de

10:35 Q&A The Making of Great New Fulldome Shows

THE MAKING OF GREAT NEW PLANETARIUMS

10:40 Planetarium Hamburg. Das Sternentheater.

Thomas Kraupe, Hamburg

Every year over 300.000 visitors take a journey through the cosmos in the former watertower located in the city park of Hamburg. The Planetarium Hamburg with its unique technical capabilities and broad repertoire is a center of encounter for culture and science that is well known in Germany and beyond.

www.planetarium-hamburg.de

SATURDAY

MAY 20

THE MAKING OF GREAT NEW PLANETARIUMS

10:50

Zeiss-Großplanetarium Berlin

Tim Florian Horn, Berlin

The Zeiss-Großplanetarium in Berlin is the most modern scientific theatre in Europe. Under its huge dome it offers 360° planetarium programmes where scientific findings are presented in an entertaining and artistic setting. Live music, talks and audio plays are also part of the wide-ranging programmes for all ages. From April 2014 to August 2016 we instituted comprehensive renovation and modernization measures. In addition to a new, digital media technology and various structural projects, a new conceptual orientation was also a part of the overall modernization plan. The Zeiss-Großplanetarium is part of the Stiftung Planetarium Berlin which unites Berlin's observatories and planetariums under one administrative roof including the Zeiss-Großplanetarium in Berlin-Prenzlauer Berg, the Archenhold-Sternwarte in Berlin-Treptow and the Planetarium am Insulaner mit Wilhelm-Foerster-Sternwarte in Berlin-Schöneberg.

11:00

Q&A The Making of Great New Planetariums

DOME SPACE / PERFORMANCE SPACE

11:05

Fulldome Theater "Flucht"

Cora Braun & Nico Kuhn, Kiel

This presentation will evaluate the different options of creating a fulldome theatre. Therefor we will use □ESCAPE - a 360° theatre play□ as an example to estimate the process of production. □ESCAPE□ is a symbiosis of 3D-Audio, fulldome movies, 360°- environments and dramatic live acting.

www.fh-kiel.de

11:15

Fulldome Theater "Winnetou360"

Kate Leding & Liese Endler, Weimar

□Winnetou360□ (premiered at the opening night) is the fourth fulldome theater originally created for the FullDome Festival by Bauhaus students and independent artists. Throuought four years of creating shows like Kometentanz, Hotel zur Blauen Blume, Ich liebe dich the producers were confronted with unique learning experiences.

www.facebook.com/winnetou360

11:25

"Dom im Fulldome"

Claire Dorweiler, Wiesbaden

A remarkable Fulldome evening will take place at the planetarium, which unites multimedia elements with a performative and liturgical context. The subject matter is going to be about heaven and the sky. Fulldome projections will be combined with sermons, music, dance and interaction.

11:35

Q&A Dome Space / Performance Space

SATURDAY

MAY 20

REALTIME VISUAL MUSIC IN THE DOME

11:40

miRatio

Jens Fischer (Kiel)

Production by the Mediendom Kiel and the musician and composer Jens Fischer. Abstract spaces with extraordinary perspectives, created by 3D artist Bob Weber, form the backdrop for a concert in which the real and virtual worlds merge. miRatio uses the Fraunhofer IDMT 64-channel sound system in a unique way.

www.hansen-munk.de

jensfischer.de/miratio

11:50

Lucid Dreamscapes

J-Walt Adamczyk (California)

J-Walt is a performer, interactive designer, filmmaker, performer, graphic artist, music composer, and VR pioneer. For over a quarter-century, he has been at the forefront of interactive art and computer performance, expanding the uses of computer animation into uncharted territories. His performances combine aspects of animation, video games, music, theater, dance and architecture into a seamless new art form. He has performed for thrilled audiences around the U.S. and worldwide.

12:05

From Visual-Music to Fulldome

Prof. Ricardo dal Farra (Buenos Aires / Montreal)

With shows from Jutojo collective, Biederman / Thibault & Larry Cuba

A history leading to new transdisciplinary research-creation paradigms. Early experiments in visual-music, using what we understand today as conventional formats, were joining new technologies with an explosion of innovative explorations that were transforming our perception about art. Surfing between cinema, video-art, expanded and new media forms, sound art, concert or electroacoustic music, visual music started to find a place also in planetariums and other fulldome spaces, to allow new modes of expression in a time when art was reaching multiple different extremes. Today, visual-music and fulldome seems to be opening the gate towards a new field where transdisciplinary research-creation would become possible, helping to establish paradigms that could show us all, as a society, that a different way of understanding our small world and the infinite universe, could -perhaps- be possible.

www.uvm2015.unb.br

12:50

Q&A RealTime Visual Music in the Dome



PROGRAM AT A GLANCE

DOME (PLANETARIUM)

LOUNGE (Tent)

WEDNESDAY, MAY 17

19:00 SPECIAL: OPENING with Fulldome Theater Performance
Winnetou360 – Scharlie, wir müssen reden

THURSDAY, MAY 18

10:00 Welcome to the 11th FullDome Festival. Introducing the Full-
dome Festival Foundation – Festival Directors and team

10:10 The quest for quality in fulldome production –
Fulldome Curators

10:20 Introduction to WorldWide Telescope for Planetariums –
Dr. Christian Dick, Carl Zeiss AG, Planetarium Division

10:30 How to do timelapse photography for the dome – Maciej
Mucha

11:00 How to do real-time aurora VR – O Chul Kwon

11:30 Multilingual audio system for the dome – Hans von Seggern

11:45 Disruptive concepts for the dome – Markus Schäfer

12:10 The Frameless Forum

13:00 Lunch Break (on your own)

Fulldome Feature Films

14:00 Black Holes, the 10th Anniversary Edition

15:00 To Worlds Beyond, Donetsk Planetarium

15:45 Break

16:00 Planet Nine, The Kavli Foundation & Adler Planetarium

17:00 Rilakkuma's Planetarium, SAN-X CO., Ltd. / Dwarf / GOTO Inc.

17:45 Break

18:00 Aurora - Lights of Wonder, Metaspaces

18:45 Break

19:30 Short Film Night

23:00 Lucid Dreamscapes, Live-Performance with J-Walt



PROGRAM AT A GLANCE

FRIDAY, MAY 19

- 10:00 Is the 360 TV-Dome the next big thing in television? – Stephan Witthöft
- 10:15 Immerse in virtual water. 360-degree films in the Spa world – Klaus Lohmann
- 10:30 Why travel goes 360 - Christian Hoffmann & Elisabeth Yorck von Wartenburg
- 10:40 SpatialSound Wave – René Rodigast
- 10:50 Spatial Audio Toolkit – Marko Herrmann & Markus Schack
- 11:00 Immersive audio content for FullDome and VR – Tom Ammermann
- 11:25 VR-Hybrid-App novelty – André Wünscher
- 11:35 Snice 2.0 – Jackie Dittrich
- 11:45 360Touch.it – Axel Meyer
- 11:55 “In Which You Are a Fox” – Jonas & Jakob Laugs
- 12:15 The Dome as a deep Learning Environment – Sara Siebert
- 12:25 Domography and high frame rate – Maren Kießling
- 12:35 Dome without chairs – Mohammad Jaradat
- 13:00 **Lunch Break (on your own)**
Fulldome Feature Films
- 14:00 Hello Earth, Copernicus Science Centre
- 15:00 The Phantom of the Universe, Lawrence Berkeley National Lab
- 16:00 The Man from the 9 Dimensions, Miraikan
- 17:00 The Secrets of Gravity, Softmachine Immersive Productions
- 18:00 **Break**
- 19:30 Students’ Night
- 23:00 miRatio: Concert in virtual spaces



**PROGRAM
AT A
GLANCE**

SATURDAY, MAY 20

- 10:00 Das Neue Licht, Laser in the Dome – Christian Gölles
10:15 Making of “Der Mond” – Robert Sawallisch
10:25 Making of “The Secrets of Gravity” – Peter Popp
10:40 Planetarium Hamburg. Das Sternentheater – Thomas Kraupe
10:50 Zeiss-Großplanetarium Berlin – Tim Florian Horn
11:05 Fulldome Theater “Flucht” – Cora Braun/Nico Kuhn
11:15 Fulldome Theater “Winnetou360” – Kate Ledina & Liese Endler
11:25 Dom im Fulldome” – Claire Dorweiler
11:40 miRatio - Jens Fischer
11:50 Lucid Dreamscapes – J-Walt Adamczyk
12:05 From Visual-Music to Fulldome – Prof. Ricardo dal Farra
13:00 Lunch Break (on your own)
Fulldome Feature Films
14:00 Der Mond – Ein Märchen unter Sternen, Zeiss-Planetarium Jena
15:00 After Cherenkov, Masashige Iida
16:00 LICHTMOND – Days Of Eternity, Planetarium Hamburg & blu phase media
17:00 Biosphere & INITI at the Planetarium, The Chemistry Gallery
18:10 Break
20:00 The JANUS Night. FullDome Festival Gala with JANUS-Award Ceremony and finalists’ shows

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THE POWER OF TWELVE

Venue:

Zeiss-Planetarium Jena
Am Planetarium 5
07743 Jena, Germany

Information:

+49 3641 885488
www.fulldome-festival.de
Facebook: [fulldomefestival](https://www.facebook.com/fulldomefestival)
eventbase: 11th FullDome Festival
www.planetarium-jena.de
E-Mail: contact@fulldome-festival.de
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