

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

# 12th **fulldomefestival** 2018



## The Power of Twelve

Opening: 23rd May 7:30 pm  
»Konzert im Dome«  
The Visual Music Experience

# PROGRAM

## 23 – 26 May 2018



## The Power of Twelve

We've been counting the FullDome Festivals since 2007. Now that we've arrived at the magic number of 12, we realize how blessed we are that we could always count on you – producers, media artists, film makers, students, planetarium people, immersive business heroes, 360-degree thinkers, astrophysicists, and education innovators – to breathe life into the emerging fulldome medium, to discuss where it's going, to fine tune the technology and to realize the beauty of immersion with all senses.

Come along and connect with peers and partners. Sit back and enjoy the most fascinating fulldome shows of the season, watch full feature shows, short and student films, get involved in Frameless Forum talks and hands-on presentations. Get mesmerized by live visual music performances. Give standing ovations to the winners of this year's JANUS Awards.

How great is »The Power of Twelve«? We know 12 constellations of the zodiac, our year counts 12 months, two times 12 hours is day and night. The largest planet in the solar system needs about 12 years to orbit the sun. The temple of our two-faced JANUS in ancient Rome had 12 altars. One foot measures 12 inches. What we know for sure: The 12th FullDome Festival 2018 is a singular event because it's the only 12th FullDome Festival there ever was, is and will be!

As you synchronize with the festival dynamics, as you sink deeper into a state of spherical synesthesia, you may notice that the dome experience increases the number of your senses. Count them: you are probably up to twelve senses now, neatly arranged in a full circle. That's how great »The Power of Twelve« is.

Welcome to the 12th FullDome Festival at the Zeiss-Planetarium Jena!

Stefan Harnisch, Jürgen Hellwig, Micky Remann, Volkmar Schorcht  
FullDome Festival Directors

P.S.: The 13th FullDome Festival motto is »ECHOES OF THE UNKNOWN« and will take place from May 22 to 25, 2019. Mark your calendar!

# CONTENT

2017 AWARDEES	4
FULLDOME FESTIVAL JURY	6
FULL-LENGTH FEATURE SHOWS	7
SHORT FILMS	14
STUDENT FILMS	23
STUDENT GRANT	33
EVENING PERFORMANCES	34
AWARD GALA	36
FRAMELESS FORUM	38
PROGRAM AT A GLANCE	47
THE 2018 FULLDOME FESTIVAL SPONSORS	50
OUR INTERNATIONAL ADVISORY BOARD	52

Title and background images from the feature film »Kyma. Power of Waves«



#### JANUS Student Award

Raphael Schardt, Bauhaus University, Weimar, Germany, for the student contribution »Das Indianische Meisterstück«, decided by the FullDome Festival Jury, donated by ZEISS.

Emily Briselden-Waters, Royal College of Art, London, UK, for the student contribution »Circus of Anxiety«, decided by the FullDome Festival Jury, donated by the FullDome Festival Foundation.

#### JANUS Award for Use of Innovative Production Technologies

Joanna Saleta, University of Silesia, Poland for the student contribution »Melancholia: Faces of Emptiness«, produced with Unreal Engine 4, decided by the FullDome Festival Jury, donated by Sky-Skan Europe.

#### JANUS Audio Award

Kate Ledina, Bauhaus University, Weimar, Germany for the student contribution »Experiment«, decided by the FullDome Festival Jury, donated by the FullDome Festival Foundation.

#### JANUS Emphasis on Emotion Award

Elia Hüneburg, Fachhochschule Potsdam, Germany, for the student contribution »Nachtmahr«, decided by the FullDome Festival Jury, donated by Aqua Wellness Institute, Musia Heike Bus.

#### JANUS Award for the best FullDome Short Film

Elia Hüneburg, Fachhochschule Potsdam, Germany, for the student contribution »Nachtmahr«, decided by the FullDome Festival Jury, donated by the FullDome Festival Foundation.

#### JANUS Directors Award

Masashige Iida, Honcho, Moriya, Japan, for the feature film »After Cherenkov«, decided by the FullDome Festival Directors, donated by the FullDome Festival Foundation.

Paulina Majda, Heavens of Copernicus Planetarium, Copernicus Science Centre, Warsaw, Poland, for the feature film »Hello Earth«, decided by the FullDome Festival Directors, donated by the FullDome Festival Foundation.

Robert Sawallisch, Zeiss-Planetarium Jena / Sternevent GmbH, Germany, for the feature film »Der Mond – Ein Märchen unter Sternen«, decided by the FullDome Festival Directors, donated by the FullDome Festival Foundation.

#### JANUS Astro Award

O Chul Kwon, Metaspace, Seoul, Republic of Korea, for the feature film »Aurora: Lights of Wonder«, decided by the FullDome Festival Directors, donated by ZEISS.



Softmachine Immersive Productions, Munich, Germany  
»The Secrets of Gravity – in the Footsteps of Albert Einstein«



Jingyi Li, Bauhaus University Weimar, Germany, for the student work »Blind World of Little Karl May«

Jordan Daher, Ringling College of Art and Design, Sarasota, USA, for the student work »Dhyana«

Thomas Hochwallner, Universität für Angewandte Kunst, Vienna, Austria, for the student work »Periods of Space«

Shanshu Li and Sujing Lin, Fachhochschule Potsdam, Germany, for the student work »Space Elevator«



Golden Wolf, London, UK, for the short film »GWxAS\_Meatwad\_Fulldome«

Ari Daniel and the Charles Hayden Planetarium, Boston, USA, for the short film »Orange Sky«

Michael Barnett, Lawrence Berkeley National Laboratory, USA, for the feature film »Phantom of the Universe«

Miraikan, National Museum of Emerging Science and Innovation, for the feature film »The Man from the 9 Dimensions«

Peter Popp, Softmachine Immersive Productions, Munich, Germany, for the feature film »The Secrets of Gravity – in the Footsteps of Albert Einstein«

Robert Daniel, Freie Waldorfschule Gladbeck, Germany, for the student work »The Way of Water«

# FULLDOME- FESTIVAL JURY 2018

## Introducing the 2018 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 2018 contest. The jury works independently of the festival organizers or any company or institution. The jury members decide which shows deserve a JANUS Award along with prize money and certificate. All award winners will be announced at the Festival Gala on Saturday, May 26th.

### TINA ZIMMERMANN



Multimedia artist and VJ from Berlin who creates live visuals and installations for opera, buildings, Liquid Sound spas and techno-festivals. As the first VJ she created a music video for the introduction of the fulldome-videoprojection technology in Jena 2007.

### JONAS ZIPF



Head of JenaKultur, director and dramaturg at the Theaterhaus Jena and Thalia Theater Hamburg. He is a member of the Board of Trustees of the Stiftung Deutsches Optik Museum and works as a dance and theater festival curator and lecturer at universities.

### PAULINA MAJDA



Polish animation film and fulldome director, screenwriter, art director and visual artist with 15 years of industry experience (e.g. with Copernicus Science Centre, Se-Ma-For Film Production). She directed several internationally prize-winning animations.

### SIMON PLATE



Director of URANIA-Planetarium in Potsdam. He is a geoscientist and a passionate planetarium educator. The astronomical perspective of fulldome has therefore been his primary focus during the last years.

### RICARDO DALFARRA



Composer, new media artist, educator, historian, curator, and Associate Professor at the Music Department of Concordia University, Canada, who is born in Argentina. His visual-music was presented in over 40 countries.





FRIDAY  
2:00 pm

### BOT & LU: ESCAPE FROM THE BLACK HOLE Planetarium of the University of Santiago de Chile (28 min)

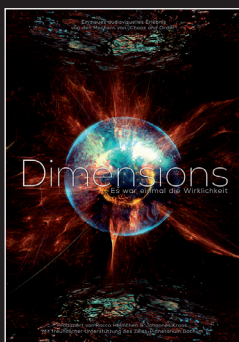
Bot is a robot that lives in the Planetarium. He has always dreamed of traveling to space, so he is creating his own ship, and as he builds it, he is approached by Lu, a very studious ladybug, who lives there. She tells him that he is not able to travel to space, that he can not take things that are the property of the Planetarium and threatens to denounce him to the authorities. Bot ends his ship and accidentally takes off into space with both inside... What will be of our friends?



SATURDAY  
2:00 pm

### DAS SILBERNE SEGEL Zeiss Planetarium Bochum, Germany (50 min)

The mythical music poem by Wolfram Eicke and Hans Niehaus is already acoustically a powerful sound experience. Designed and animated by Tobias Wiethoff, a magic music theater spreads in the dome of the planetarium. Numerous well-known contributors such as Uwe Ochsenknecht, Nina Hagen, Annett Louisan, Joachim Witt, Stefan Gwildis and Rolf Zuckowski lend their voices to the animated characters.



SATURDAY  
5:00 pm

### DIMENSIONS – ONCE UPON OUR REALITY Rocco Helmchen, Johannes Kraas, Germany (50 min)

What is "reality"? Is it just the interaction of time, space, particles and forces? A hallucination created by billions of neurons in our body? A mathematical machine? Are there other realities, universes or dimensions? Using music, soundeffects and visual artistic interpretation the producers ask these big questions and aim to transport audiences to fascinating worlds where they find the time and space to think and feel...

What sticks with audiences is a strong feeling that there may be unexplored realms and worlds in us, and around us, which influence us just as strongly, or even more strongly than what we already know and understand.





FRIDAY  
5:00 pm

**EXPEDITION REEF**  
California Academy of Sciences, USA  
(25 min)

Embark on a journey into the hidden world of coral reefs to explore some of our planet's most diverse – and critically threatened – ecosystems. Travel the globe to explore coral reefs teeming with life and learn how scientists are racing to develop sustainable solutions to protect these vitally important ecosystems. Along the way, discover how corals live, breathe, and reproduce, supporting a quarter of all marine life and providing critical benefits to human communities in our ever-changing world.



THURSDAY  
4:00 pm

**EXPLORE**  
Creative Planet, Poland (28 min)

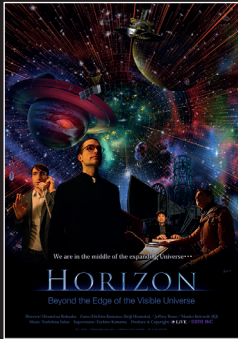
Have you ever wondered how a spacecraft can navigate accurately to a space station travelling at 20 times the speed of sound? EXPLORE is the latest production of Maciej Ligowski. The film presents a broad selection of science in a modern and accessible way, in a story that revolves around the ambition to colonise Mars, a topic at the forefront of current trends in space adventure films. High quality visuals, custom composed music, and professional narration – all serve a single purpose: to enhance the audiences immersive experience.



FRIDAY  
4:00 pm

**FASTER THAN LIGHT: THE DREAM OF INTERSTELLAR FLIGHT**  
Spitz Creative Media, Mirage3D, Thomas Lucas Productions, Inc., USA (55min)

FASTER THAN LIGHT explores the longstanding quest to develop spacecraft with enough power and speed to reach the stars. The film asks: What will it take to reach a newly discovered planet circling our Sun's nearest neighbor, Proxima Centauri? Based on real science and engineering, FASTER THAN LIGHT takes audiences on a thrilling journey into the future. Who can say how far, how fast our technology will take us?

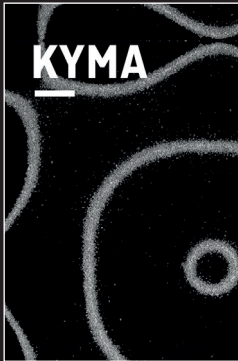


THURSDAY  
5:00 pm

## HORIZON: BEYOND THE EDGE OF THE VISIBLE UNIVERSE

Hiromitsu Kohsaka, Masaaki Tanaka  
Live Company Ltd. / Goto Inc, Japan (41 min)

The steps of contemporary cosmology reflect a history of challenges with scientists chasing the stars; Edwin Hubble who discovered other galaxies, Lemaître who proposed the theory of the expansion of the universe, and other scientists who had been solving the mysteries of universe. Having Eiichiro Komatsu as a guide, a member of WMAP, HORIZON is a live action CG drama focusing on the latest cosmological discoveries on the space frontier through the eyes of those scientists.

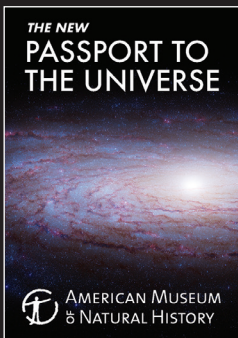


SATURDAY  
4:00 pm

## KYMA, POWER OF WAVES

National Film Board of Canada in collab.  
with Montreal Space for Life's Rio Tinto  
Alcan Planetarium, Canada (27 min)

Launched at the Rio Tinto Alcan Planetarium in May 2017, Kyma transports audiences into a 360° allegorical tale of how our universe and all of us are composed of waves. From music to light, from the smallest particle to vast galaxies, Kyma is a voyage through the wavelength of life, combining artists, musicians and acrobats in a stunning immersive show.



THURSDAY  
2:00 pm

## PASSPORT TO THE UNIVERSE

American Museum of Natural History, USA  
(20 min)

The American Museum of Natural History's iconic space show »Passport to the Universe« takes visitors on a journey to the edge of the observable universe. Passport to the Universe features cutting-edge visualizations of the latest scientific data including updated surface maps and exploratory space missions. Accompanied by the timeless original script and music, the 2017 production presents a captivating introduction to the cosmos with unprecedented accuracy. Narrated by Tom Hanks.



FRIDAY  
3:00 pm

## STAR MAKER

Arcus Animation Studios, UK (27 min)

One moment a man looks curiously into the heavens, the next he has discovered the ability to traverse time and space, meld with other sentient consciousnesses and eventually speak as one, singular universal mind. But what will this universal mind discover when it finally meets its' creator? Our retelling of seminal science fiction novel 'Star Maker' (Olaf Stapledon 1937) fuses a diversity of visual styles and features a specially composed score by Barry Hyde (The Futureheads).

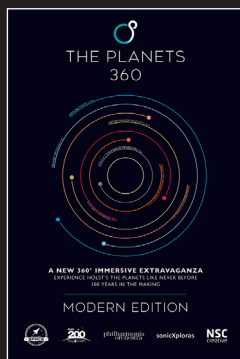


THURSDAY  
3:00 pm

## TALES OF A TIME TRAVELER

E&S Digital Theater Prodcutions, USA (25 min)

Time travel like never imagined! Explore ancient civilizations. Witness the birth of the universe. Journey to the edge of a Black Hole. You will discover that time is not so easily defined. Time is illusive, impossible to hold. It can't be owned. It can't be stopped. Time travel surrounds you from the biological clock in your brain and the changing shadows on a sundial, to the history of life on Earth. Then the story expands to the lives of stars, the time scale of the Big Bang, and the distortion of time by gravity. Narrated by David Tennant.

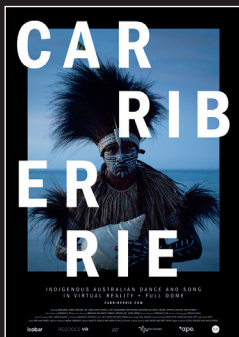


SATURDAY  
3:00 pm

## THE PLANETS 360 – MODERN

NSC Creative, National Space Centre, UK (25 min)

The Planets 360 Experience offers an extension to Holst's original creative vision and compliments that original intent with a set of new and contemporised musical compositions, each with a bespoke immersive film to accompany each Planet in the movement. Each of 'Modern' Planets films have been directly inspired by the conflation of the original Holst score and the modern reinterpreted compositions, allowing an unfettered, abstract aesthetic to emerge in the 'modern' re-envisionings.



THURSDAY  
6:00 pm

Fulldome World Premiere  
**CARRIBERRIE**  
Melbourne Planetarium (45 min)

An exhilarating and visceral film that tells the expansive story of Carriberrie: Indigenous Australian song and dance. Beginning with a stunning passage from the highly acclaimed Sydney Opera House performance, Bennelong, by Australia's premier Aboriginal dance theatre group Bangarra, actor and performers Jack Charles and David Gulpilil welcome us on a concentric, snake-like journey through time and space. We travel from traditional ceremonial dance and song, towards intrinsically contemporary and modern expressions. Intimate, immersive and breath-taking, this documentary showcases a stunning range of Australian locations and performances from iconic ceremonial traditional dance in Uluru, through to food gathering dances in the rain forest, war songs on the most northern tip of Australia, funeral songs in the wetlands before culminating with a highly charged hunting track in the central desert. An affecting journey rich in cultural significance, every bit as soaring as the fulldome experience itself.



FRIDAY  
6:00 pm

**BOLLOS**  
Sebastian Robra, Bauhaus University,  
Weimar (27 min)

A ride becomes a self-discovery, until one passenger disappears. He leaves his mysterious suitcase next to four wranglers. A pregnant student, a cello player without talent, a resigned magician and the bearish driver struggle with other issues. Five desperate, five destinies, one destination. And a few "bollos" (sweets). Featuring Olaf Krätke, Alexandra Schiller, Carsten Faseler, Ann-Kathrin Hinz and Thomas Giegerich.



**PLANETARIO**  
Universidad de Santiago de Chile

3>2>1  
**LIFT OFF!**



Currently on billboards of  
Planetariums in Mexico



**170,000** SPECTATORS EVERY YEAR

**33 YEARS** PRODUCING  
AND EXHIBITING DOCUMENTARIES  
AND ANIMATED  
SCIENTIFIC MOVIES IN FULLDOME

**32** FULLDOME MOVIES

**3** FULLY ANIMATED  
FULLDOME DIGITAL MOVIES

**THE ONE AND ONLY**  
PLANETARIUM IN CHILE,  
WORLD'S CAPITAL OF ASTRONOMY

[WWW.PLANETARIOCHILE.CL](http://WWW.PLANETARIOCHILE.CL)

**BOTY LU**  
**ESCAPE FROM  
THE BLACK HOLE**



With the support of state  
institutions for their  
production and dissemination  
(Corfo and Conicyt-ALMA)

Proyecto apoyado por

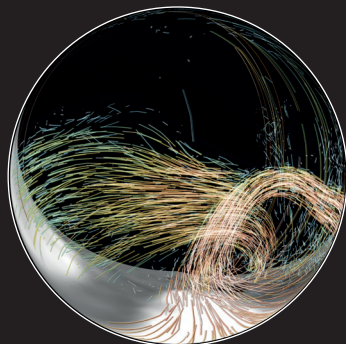
**CORFO**





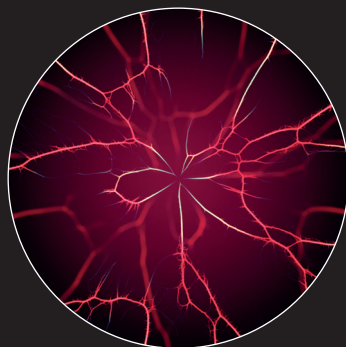
# SHORT FILMS





**BEAUTY OF BLOOD FLOW ANALYSIS**  
Bianka Hofmann, Alexander Köhn, Mathias  
Neugebauer, Fraunhofer MEVIS (2 min)  
Thursday, Short Film Night

Based on real medical data the film shows the dynamic reconstruction of the blood flow of a healthy human heart. Refined algorithms visualize the blood flow based on an MR image. Hundreds of colored sparks fly in rhythm with the heartbeat through the vessels and heart chambers and visualize the areas where blood flow is particularly fast and forceful. The soundscape is composed specifically for the sequence.



**BROWNIAN MOTION**  
Benjamin Vedrenne, France (4 min)  
Friday, 4 pm

Brownian motion is a visual and cosmic journey, that explores how life emerges from automated processes. All animations come from the same digital noise generation system known as "fractal brownian motion". This abstract journey is meant to be a sensory experience, a visual contemplation.



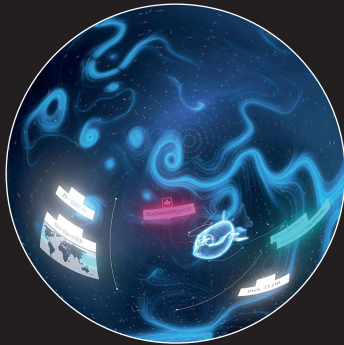
**CYBERPOLIS**  
Joanna Saleta & Tomasz Kisiel,  
EC1 Łódź Miasto Kultury, Poland (5 min)  
Thursday, Short Film Night

A short trip through streets of futuristic city. Immerse yourself in shimmering neon lights.



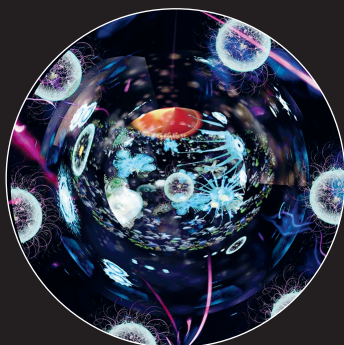
**DAS WEISSE GOLD VON HALLSTATT**  
Robert Daniel, Germany (5 min)  
Thursday, Short Film Night

This short film is part of a planetarium show about the archaeological excavations in the salt mine of Hallstatt, Austria. The clip also shows the beauty of the landscape, which surrounds the mine. Coordination and Scientific Advice: Gabriel Stöckle, digital planetarium of the Natural History Museum Vienna, Dr. Hans Reschreiter, prehistoric department of the Natural History Museum Vienna.



**DIE SUPERHELDEN DER TIEFSEE**  
Eduard Thomas, Isabelle Beyer,  
Gerd Hoffmann-Wieck, Mediendom der  
Fachhochschule Kiel, Germany (5 min)  
Friday, 5 pm

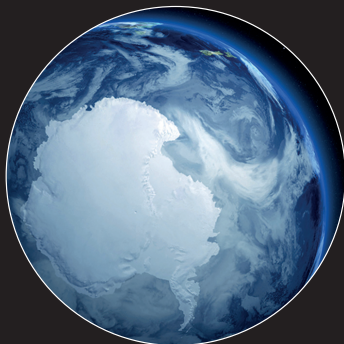
The deep sea, the last largely unknown region of our planet, which occupies at least about 60% of the Earth's surface, includes fascinating animals. They have adapted to absolutely unusual environmental conditions. Meet the three "superheroes" of the deep sea. The project was created as part of the Hochschulwettbewerb for the Science Year 2016/17 Seas and Oceans.



**DREAMS OF PLANTS**  
Paul Fletcher & Anthony Lyons  
VCA & MCM University of Melbourne (3 min)  
Thursday, Short Film Night

If plants communicate or influence each other maybe they have dreams too... what would they look like? Ideas of simultaneous diversity dense intricate collage of digital and analogue media.





### FAR FROM FROZEN

Oana Jones, Otago Museum, New Zealand  
(10 min)

Thursday, 4 pm

Take a journey to Antarctica, the frozen continent, to learn how scientists are trying to better predict how it will respond in the face of global warming. Includes stunning imagery from award-winning Antarctic New Zealand filmmaker Anthony Powell.

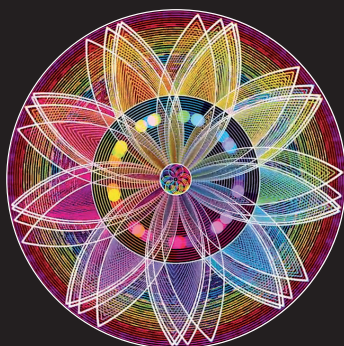


### GLACIES MUNDI

Michał Kąta, Joanna Saleta, Tomasz Kisiel,  
EC1 Łódź Miasto Kultury, Poland (5 min)

Thursday, Short Film Night

Excerpt from our planetarium live show about icy worlds in our Solar System. We will fly through realistic recreation of Enceladus & Europa, venture into icy canyons and mysterious oceans.



### HOLOPLEX

Fabio Novo, Brazil (9 min)

Thursday, Short Film Night

Holoplex is an immersive multidimensional meditative experience based on colors and symbols.

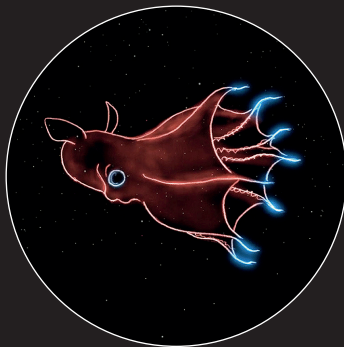


### HYBRIS

Carmen Gil Vrolijk & Camilo Giraldo Angel  
Universidad de los Andes / La Quinta del  
Lobo, Colombia (10 min)

Thursday, Short Film Night

Hybris is inspired by an article about climate change posted on the BBC website. The video is an exploration of a universe of light and sound that produces ephemeral beings that appear and disappear changing our world.



INNER SPACE: EINE REISE IN DIE TIEFSEE  
Leonard Ermel & Holger Marseille, Germany  
(7 min)

Thursday, Short Film Night

This is a journey into the largest single life habitat on Earth. Slowly sinking into the deep ocean, you will discover fascinating animals like the vampire squid, the anglerfish or the giant siphonophore and learn about a 'language of light', called bioluminescence. Everything you'll see in this film is thoroughly researched, handdrawn and animated in a traditional way.



### LIMINALITY

4Pi Productions, Coreo Cymru, Danceworx,  
UK (10 min)

Saturday, 3 pm

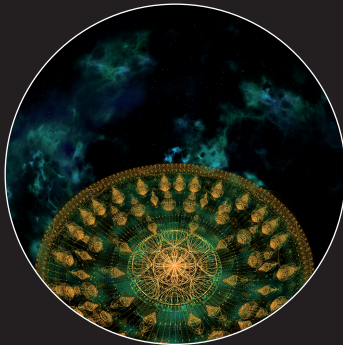
Liminality is a collaboration of cultures and technology. Four dancers move from industrial landscapes to coastal landscapes, in South Wales, Delhi and Goa. The piece highlights the similarities these two countries share, and the changing relationship as India supports Wales with its industrial might. The ritualised movements of dance in a 360° immersive environment conjure feelings of something much older than civilisation.



**MARS 1001 TEASER 2.0**  
Robin Sip, Mirage3D, Evans & Sutherland  
(2 min)

Thursday, Short Film Night

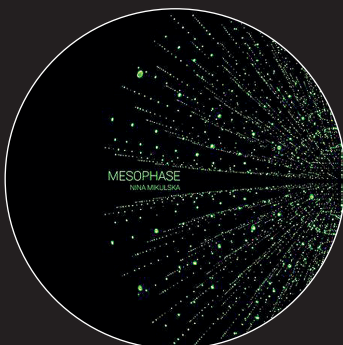
Teaser of the Mars 1001 film currently in production. This film will have audiences experience the first manned mission to Mars as if it is happening today. The mission will take roughly one thousand days and fly an international crew to Mars and return them to Earth. Embark on the greatest adventure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



**MESMERICA (SHORT EXCERPT)**  
Bennett Freed, Ed Lantz, Kate McCallum  
Vortex Immersion Media, USA (15 min)

Saturday, 4 pm

Mesmerica is a visual music journey that brings the mesmerizing music of award-winning composer and percussionist, James Hood together with visually-hypnotic animated 3D art to create an immersive experience designed to transcend time, and relax, soothe, and also stimulate your mind and senses... The soundtrack features James performing on the unique and magical instrument called the "hang."



**MESOPHASE**  
Nina Mikulska, Jerzy Klimczak,  
Polish-Japanese Academy of Information  
Technology (6 min)

Thursday, Short Film Night

Mesophase is a transition state between liquid and solid state of concentration. Mesophase is composed of macroprojection with a microcosm – a world that can't be seen, and which, seen in big magnificence, only then shows us our beauty. Inspirations have been taken from the fields of science such as biology, chemistry or physics.



### MICE AND THE MOON

Andrew Shokhan, Asya Dyro,  
Andrew Koshcheyev, Aliaksandr Mikulich  
Fulldome Basement Production (15 min)  
Thursday, 2 pm

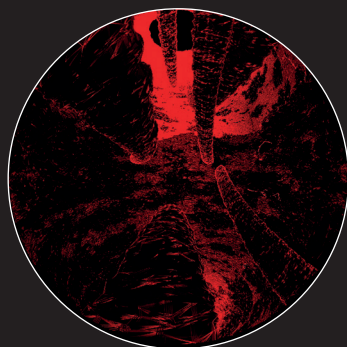
This is a tale about two little mice Peep and Chip who wondered if anybody bites the big Moon Cheese shining in the sky? The bats didn't know the answer, neither did the Wise Owl. But luckily Peep and Chip met two astronomy-savvy robots who explained what the Moon is indeed. They told about the Moon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



### OUR NORTH POLE

Olesya Kustova, Galina Lebed  
Poseidon Expeditions, Kustova Media Group  
Vivalter Production, Russia (7 min)  
Thursday, 5 pm

This is the first 360° film made during an expedition to the geographic top of the world. It captures in amazing detail the extraordinary voyage aboard the most powerful icebreaker and let you feel how fragile the environment is and that each of us shouldn't forget that ice in the Arctic may disappear very soon, and we all are responsible.



### PANTHEOS

Omar Alvarez Calzada & Marc Pitarc, Spain  
(6 min)  
Thursday, Short Film Night

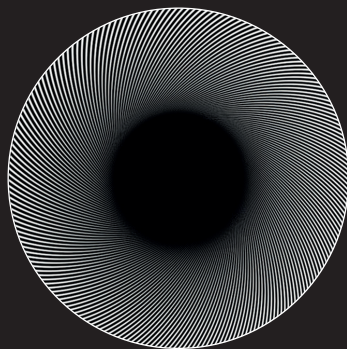
Pantheos is the result of syncretism between cosmogonies, creationist myths from different religions and modern cosmological theories of the origins of the universe, and tries to imagine the mythological account of the Genesis of a virtual universe.

**PULS DER ZEIT**

Rupert Kraft, Wanja Hohmeier, Bruna Sampaio Neves, STERNHELDEN, Germany (5 min)

Thursday, Short Film Night

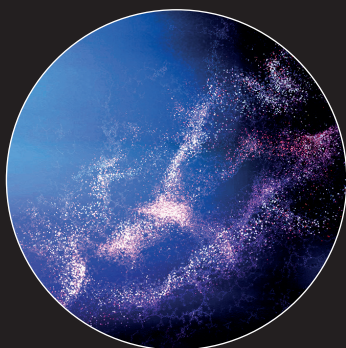
Ein Musikclip, der den Puls der Zeit auf abstrakte Weise vor Augen führt als leidenschaftlicher Tanz aus Farben, Formen und Lichtüberlagerungen. Ausgangspunkt bildet eine Handfläche, von der aus der Strom der Zeit zu beginnen scheint. Der Clip verbildlicht ein Poem von Bruna, die die Musik komponierte und tänzerisch interpretiert.

**SKYLARK**

Jerem Oury, France (4 min)

Saturday, 2 pm

Skylark is an audiovisual experience about geometric pattern, moiré effect and movements produced by mathematics formulas. In this permanent generated world, the viewer – like a "skylark" bird – has the sensation to escape of the multiple oppresses jails, tunnels and linear variations of convolutions.

**STARDANCER'S WALTZ**

Diana Reichenbach, Museum of Arts and Sciences Macon, USA (8 min)

Friday, 3 pm

An immersive fulldome animated film in collaboration with the musical track "Stardancer's Waltz" from Concerto for Violin, Rock Band, and String Orchestra by Mike Mills and Robert McDuffie.



**THE ADVENTURES OF CLAWS AND GREEN**  
Victoria Rubinstein, Universidad Nacional de Córdoba, Argentina (20 min)

Friday, 2 pm

The adventures of claws and green is the first fulldome film made in the interior of Argentina. It is an animated film that tells the adventures of a lizard and a puma, who must travel to space in a space mission. The film has an educational purpose and was made for the Planetarium of the Astronomical Observatory of Córdoba.

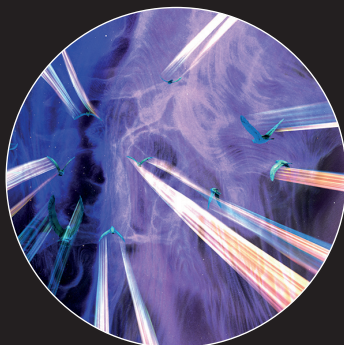


**THE MEADOW RACERS**

George Aistov, 360ART (6 min)

Saturday, 5 pm

A beetle, a bee, a mosquito and a snail race over a course of obstacles and try to outwit each other to be first to cross the finish line. Who will prevail to take the ultimate prize – a discarded slice of birthday cake?

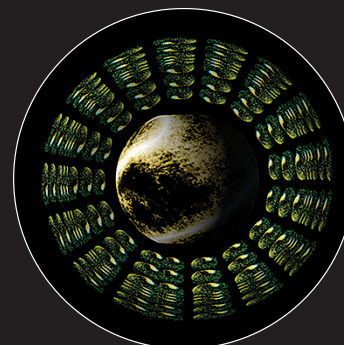


**"VIRGO" FROM SYNESTHESIA SUITE:  
CONSTELLATIONS**

Charles Hayden Planetarium, Boston, USA (4 min)

Thursday, Short Film Night

In November 2017 the Charles Hayden Planetarium team worked with Mary Bichner, a composer and singer gifted with perfect pitch and synesthesia for a live concert experience in the Planetarium, accompanied by synesthesia-influenced visuals created by our staff.



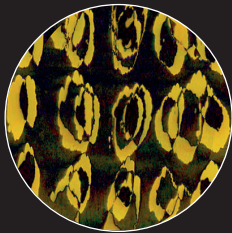
**ZWISCHEN HIMMEL UND ERDE**

Wilfried Jentzsch, Germany (11 min)

Thursday, Short Film Night

The source materials are a Chinese cymbal, bird voice and medieval sacred vocals, which creates a new world of sound with the help of digital sound synthesis methods. The spherical shape as symbol for Earth and Sun form the visual centre in which granulating sound and image clouds move in complex configurations of a virtual 3D space.





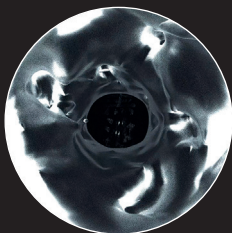
**APPARITION**  
Olivia Sullivan  
Royal College of Art, London

An apparition is an unexpected vision. We detect faces within patterns that do not exist. Our minds play tricks on us. Reality cannot be determined. Made with scratches in 16mm film.



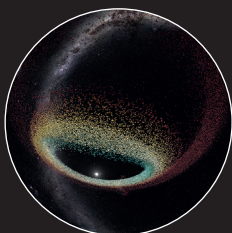
**ATEM DER STRASSE**  
Yikun Liu  
Bauhaus Univeristy, Weimar

My new life in Weimar has been passionate, exciting, and full of... Alcohol. The inspiration of this film comes from a night, when I was very drunk and walking alone on the way back home. Suddenly, the guiding sound of traffic lights, bus stops, and noises of wind, cars, trees... All became magically harmonic.



**BLACK POND**  
Tongzhou Yu  
Royal College of Art, London

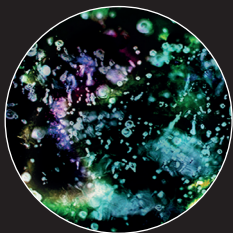
The so-called attributions in the modern era are all videoized, as people are accustomed to screen-based image-thinking. Black Pond is the screen, where images of indemonstrable memories sinking at the bottom, consists of the moment you close your eyes and the split-second situation of black vision. Unstable decoding of memories causes lacking the sense of existence, it is due to the wrong montage with images in memories.



**CIRCUMPLANETARY DISK SIMULATION**  
Thomas Müller, Eduard Bopp, Hubert Klahr, Anton Krieger, Christian-Albrechts-Universität zu Kiel

New-born stars are surrounded by a disk of gas, ice and dust. This disk forms the building material for planetary systems. Via collisional growth of the grains and gravitational accumulation of bigger and bigger objects planetary embryos are formed that attract the surrounding gas leading to the formation of a circumplanetary disk and envelope. Here, we give a visual impression how astrophysical simulations reveal the dynamics of such systems. Produced in cooperation with Max-Planck Institut für Astronomie und Haus der Astronomie.

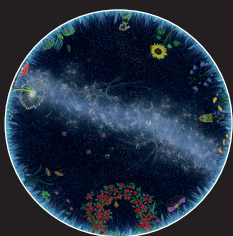




### DEER STOP

Ornelas Ortega Alejandro Alan, Kevin Jahnel, Lea Willeke, Rebecca Wiegand, Bauhaus Univeristy, Weimar, HfM Franz Liszt, Weimar

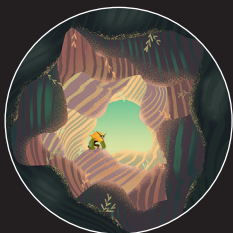
A journey through the mind. Floating among colors and the beauty of iciness. Distortion leads to a point of enlightenment. As feelings are volatile you can't hold the moment but keep the unquestionableness of this experience.



### DIE HIMMELSWIESE

Christine Högl, Alexandra Metz, Cora Braun, University of Applied Sciences, Kiel

Explore a unique adventure in a divine and heavenly dream garden: The meadow of heaven will open your heart and your soul. Travel through the rose arch and dare a look into a little paradise with magical flowers and enchanting rainbow bubbles. The inspiring compositions with Celtic harp by Christine Högl leads you into a blissful world. Enjoy!



### EGGQUINOX

Ai-Nhu Vo, Cam Tu Nguyen, Fabian Kuonen, Fynn König, Melina Stephan, Perci Chen, Benjamin Vogel, University of Applied Sciences, Hamburg

The never-ending struggle between day and night. The season alone is the key to success on the scale. The Eggquinox animation is not only about the emergence of a new life, it also opposes the contrasts caused by this change.



### EUROPÄISCHE TEICHUMGEBUNG

Silas Fuchs, Phillip Schwarz, Alexandra Metz, Cora Braun, Marlena Wels, Nico Kuhn, University of Applied Sciences, Kiel

Created in the context of Science Outreach, this work creates an immersive experience showing the flora and fauna of a European pond in their natural environment.



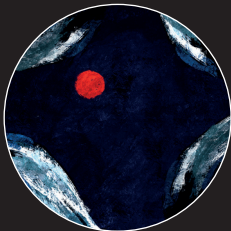
**FIREFLY**  
Daeun Kim  
Royal College of Art, London

This is the personal experience in the forest. It shows each different perspectives from human to firefly.



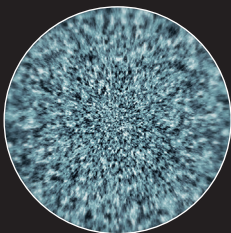
**FRANKFURT RIVER**  
Marina Vasques Oliveto  
University of Applied Sciences, Darmstadt

Get on this boat and live an incredible experience through the Main River in Frankfurt.



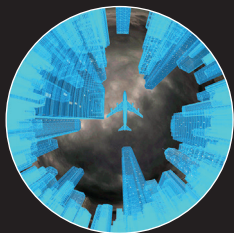
**HARVEST MOON**  
Thais Mesquita Silveira Cunha, Forat Sami Elalfy,  
Hamzeh Ahmad AL-Thweib  
Bauhaus University, Weimar

"Harvest Moon" is the visualization of a Thai song that has taken us on a journey through the landscapes and rhythms of this culture. The spectator follows the changes of the moon, travels from the night to the dawn of a new day and opens spaces for questions about the cyclicity of the life, the world, the human emotions and the future.



**HYPERTHERMIA**  
Adam Streicher, Friedrich Busch  
Bauhaus University, Weimar

A military pilot is looking for help after a crash in the polar circle and has an immersive experience.



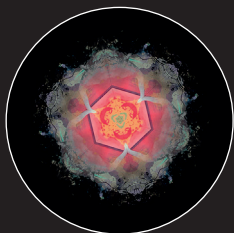
**IS LIFE A SIMULATION?**  
Mohammad Jaradat  
Bauhaus University, Weimar

A journey through life to look beyond what originally meets the eye. By so doing, I am able to come up with thought provoking questions. One of such questions is the theme for the film "Is life a simulation?". This theme is aimed at provoking the audience to re-examine their ideas and beliefs on life and see whether there is more to life than they originally know.



**KYIZ UI**  
Diana Suyerbayeva  
Bauhaus University, Weimar

The goal of the film is to show the Central Asian nomads' yurt as a microcosm that mirrors and represents their perception of the world. It allows the audience in the dome to experience being inside the round felt house, which is also known in Kazakh language as the "Kyiz ui".



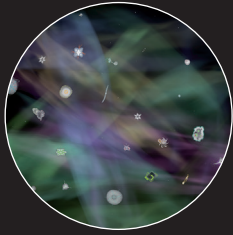
**LEARNING TO FLY**  
Petra Sohnius, Kumi Oda, Mike Wyeld  
Royal College of Art, London

How long does it take to consider ourselves grown-up and responsible? Who teaches us what we really need to know in life? Can we trust our own instincts? LEARNING TO FLY is a student film about how to unfold our wings and follow our passions.



**LOTUS**  
Jinghui Gao  
Bauhaus University, Weimar

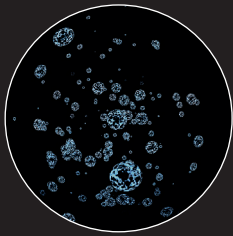
Lotus is one of the most important and popular Chinese symbols. The lotus is the flower of summer. It is a symbol of purity because it rises out of the mud to bloom. Lotus blossoms are often depicted as a throne for the Buddha, and the lotus is one of the Eight Auspicious Symbols of Buddhism.



### LUMINA

Fides Velten, Karina Schmidlin, Stefanie Seuffer,  
Raban Brauner, Aaron Van Dijk, Dorian Behner,  
Gowryrahm Mohan, Eneko Ezquerro Gómez  
University of Applied Sciences, Hamburg

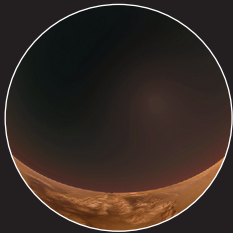
From dark to light. From rigid to moving. From quiet to loud. From a few to diversity. Lumina takes an abstract approach to the theme of spring awakening and places a special focus on the interplay of image and sound. Curious life forms come to life on the dome and invite you to dance along.



### MAMAMUSO

Sebastian Esposito, Kevin Jahnel  
Bauhaus University, Weimar

Emission, movement and even physics are entirely controlled by Sona Jobarteh's "Mamamuso". The result is a colorful immersive world in which the spectator can see, hear, feel and interpret.



### MARS AND BEYOND

Cora Braun  
University of Applied Sciences, Kiel

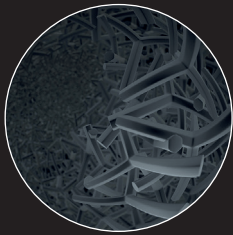
Discover the beauty of the Valles Marineris. This artificial mise-en-scène of our fellow planet Mars uses the new Terrain Engine of Digistar 6. The sequence is a captured version of the Digistar real-time script.



### MUQARNAS

M. Javad Khajavi  
Volda University College, Norway

This video is an immersive dome experiment that was inspired by muqarnas – geometric vaulting that are typically applied to the undersides of domes in Islamic architecture.



### NANO-TETRAPODS

Malin Lohrer, Alexandra Metz, Nico Kuhn  
University of Applied Sciences, Kiel

The animation demonstrates the esthetic site of nanoscale structures giving a fascinating insight into fabrication steps of carbon nanotubes. Four-pronged particles (tetrapods) fall down like "snow" flakes and form a blanket of "snow". Afterwards the structure is coated with a thin layer of carbon. Finally the tetrapods are etched out. The animation is part of a project by KiSOC (Kiel Science Outreach Campus).



### OBVIOUS

Alma Weber  
KASK Gent, School of Art and Design, Kassel

An observation at the sea. But who is the observer, who the observed? What is true? And who can ever tell?



### OPEN FIELD

Genevieve Sierra,  
Freie Waldorfschule, Gladbeck

At night a young woman is walking on a hilltop beside a cornfield. Suddenly a crop circle appears in the field. It forms a familiar shape, which reminds her of her past.



### SEEDS OF SPRING

Miriam Evers, Aileen Hagen, Kristin Poppe,  
Jasmin Rahimi, Robin Kralemann, Gowryrahm Mohan,  
Max Bodendorf, Cherylin Negron Diaz  
University of Applied Sciences, Hamburg

Spring is approaching and there is lots of work to do. In a small Viking village there is a girl facing a big challenge. A jump over the campfire is only the beginning.



## SOMEWHERE IN THE WOODS

Alexander Nham, Sharon Sacks,  
Anne-Luise Rieche, Claret Canelon, Andrea Garcia  
University of Applied Sciences, Hamburg

Some animals, who spend the winter together with us in the north, decide to take a longer hibernation in the cold temperatures. They first eat a thick winter pad and rest for a few months until they become active again in the spring.



## STARMAN

Tiff Randol, Jason Benesh, Shih-Lien Yen  
California Institute of the Arts, Los Angeles, USA

IAMEVE's tale begins with the release of "Starman", a mesmerizing video short where two soulmates are reunited in a multi-dimensional plane of existence. It's orchestral tapestry of sound and melody will worm its way down your ear canals to the base of your spine. "Starman" is part of a sci-fantasy transmedia fairy tale called The Everything Nothing, about creation, fractured identity, and transcending physical form.



## SURROUNDINGS

Barbara Rządźka  
Planetarium Wenus, Zielona Góra, Poland

Twelve original designs, based on the same shape, meet for the first time under the dome. "Surroundings" is a graduation project combining 3D fulldome animation and furniture design. Chairs are a part of our everyday life, but often go unnoticed by us – we use them, but don't think about their form or inspirations behind their concept. The intention of this project was to draw attention to these mundane objects and show them from a different angle.



## TERRACE OF EBEN

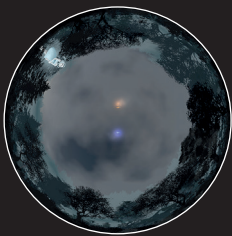
Jascha Bernhard, Arootin Mirzakhani,  
Sriram Srivigneswaramoorthy  
University of Art and Design, Offenbach

TERRACE OF EBEN, which is basically a non-humanitarian charity project of eliminated devotions. The function is mounting, adding and observing. Communication of eben, easy and unconstrained, and yet, so complex!



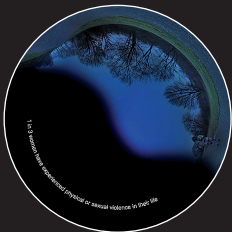
**THE MAGIC OF THE HEIDELBERG CASTLE**  
Marina Vasques Oliveto  
University of Applied Sciences, Darmstadt

There are more than 20 thousand castles found in Germany, surrounded by villages and forests. One of the most beautiful castles is the Heidelberg Palace. It is located in the Baden-Württemberg region and visited by more than one million tourists per year. The castle is now a national monument and a symbol of the German Romanticism.



**TOTAL ECLIPSE OF THE HEART**  
Nico Kuhn  
University of Applied Sciences, Kiel

Join Moon on her search for true love. Experience "Total eclipse of the heart" as a unique 360 degree drawing. Illustrated by Neele Siemann. Wonderfully sung by Viola Schnittinger and accompanied on the piano by Sergey Rotach. Produced by Nico Kuhn.



**unSHEltered**  
Lis Martins Neves de Oliveira,  
Valentina Andrea Peterman Cresto  
University of Applied Sciences, Darmstadt

"UnSHEltered" intends to bring the feeling of vulnerability and fear to the eyes and ears of the public that many women around the globe are experiencing every day. The movie is placed in a park, late afternoon, and a girl around 20 years old will take a break after jogging. The character start experiencing an uncomfortable feeling of being exposed, just because she's a woman in tight clothes.



**URBAN**  
Nicolas Gebbe  
University of Art and Design, Offenbach

In a process involving photogrammetry, urban elements are captured, ripped apart and put back together to form a new world.



### VMP

Jakob Wulfert, Ioannis Oriwol  
Bauhaus University, Weimar

VMP is a compilation of various hand-picked fragments to glimpse at unknown realms and rites. The music is a deliberate rearrangement of two performances hosted by the University of Music Franz Liszt Weimar: one by German jazz legend Günter „Baby“ Sommer and the other one by Inuit throat singers Kiah Hachey & Karen Flaherty with live electronics by Paul Hauptmeier & Martin Recker. The visual part consists of numerous alienated samples from bizarre sources to emphasize a limbo-esque impression.



### WHOISALICE

Ai-Nhu Vo, Fynn König, Dorian Behner, Gloria Schulz  
University of Applied Sciences, Hamburg

Triangles rise from the teapot, dentures clatter, watches seem to have found their own time. Whoisalice invites you to a wonderland that has never been seen and heard on a dome like this before.



### WOMIT RECHNEST DU?

Lennart Oberscheidt, Max Walter, Gerrit Hecht,  
Aline Wyrwich, Tobias Bieseke, Johannes Wunsch,  
Anna Hilfrich, Harald Opel  
University of Applied Sciences, Dortmund

“Womit rechnest Du?” was exhibited in the museum and center for art and creativity in Dortmund in a mobile dome in 2017. It is a student project under the art leadership of the “kiU Medienlabor” Harald Opel. The topic is the visual syntheses between mathematic, nature, poesy and dance, like an optical symphony. Pictures produced with the Kinect Camera, animations, particles, dripping and a lot of water.





## STUDENT GRANT 2018

STUDENT  
FILMS  
FRIDAY, 6:30 PM

# NEW: STUDENT GRANT

In 2017 the FullDome Festival Foundation awarded a 750,00 € non-refundable grant to support the production budget of a student fulldome film to be released at the 2018 FullDome Festival. The purpose of the grant is to encourage creative ideas for fulldome shows and help financing them. Furthermore, the FullDome Festival Student Grant want to emphasize the importance of communicating clearly and comprehensively the essence of a planned fulldome show and how to manage a budget. Grant supported student films cannot enter the student film contest and are not eligible to receive any of the 2018 student FullDome

Awards. However, grant supported films are eligible to receive any of the other FullDome Awards, if the 2018 festival jury so decides. All competition rules and prerequisites for entry, as set in the 2018 Submission Guidelines, also apply for grant supported student films, with the exception that these films may be longer than 5 minutes but must not exceed 15 minutes.

From the submitted applications for the first FullDome Festival Student Grant, the 2017 jury selected »Dreamsymbiosis« by Pia Mozet and Jenny Elisabeth Kleine as winners. Congratulations to the team!

<http://fulldome-festival.de/submissions/student-grants/>



### DREAMSYMBIOSIS

Pia Mozet, Jenny Elisabeth Kleine  
Martin-Luther-University Halle-Wittenberg (14 min)  
Friday, 25 May, 6:30 pm

Dreamsymbiosis takes you on a journey into the world of dreams- a visual sound experience where the borders of reality and dream merge seamlessly. We are exploring visions of a daydream, a nightmare and an ordinary nightdream.

The Student Grant is  
sponsored by



fulldomefestival  
foundation



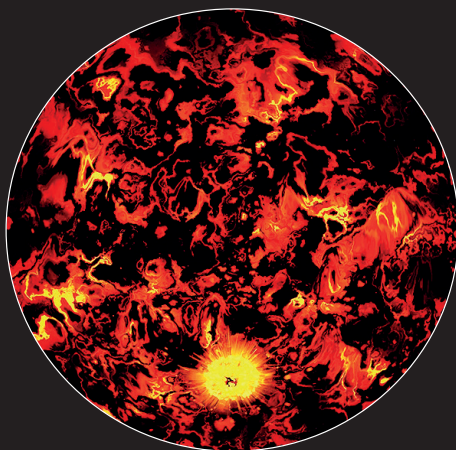
## EVENING PERFORMANCES live

# EVENING PERFORMANCES live

### GRAND OPENING:

### »KONZERT IM DOME« – THE VISUAL MUSIC EXPERIENCE

Wednesday, 7:30 pm



As in the past years, the annual FullDome Festival at the Zeiss-Planetarium Jena opens with an innovative theatrical performance, combining live music, sound design and digital 360 degree projection. Original fulldome shows, never seen or heard before, take you on a journey through the art of sonified visuals and visualized music in 360 degrees, combining digital projection and spatial sound compositions. The pieces are mostly created by students of Bauhaus University and Music University Franz Liszt, both in Weimar, with a spe-

cial contribution from the »Imaginary Landscapes« project of sound design students from FH Dortmund in cooperation with students of ICEM at Folkwang University of Arts.

The visual music works are combined with live acts from outstanding musicians performing under a sky of immersive visuals:

- Mukasa Wafula, PhD candidate at Franz Liszt Music University Weimar, with the African Litungu lyre and chants from Kenya
- Li PengPeng, master of the seven-string Guqin zither, with traditional music from China
- Prof. Günter Baby Sommer (Dresden), legendary percussionist improvising to live generated 360-degree-visuals by Bauhaus student Ionanis Oriwol.

The program will be introduced by Prof. Dr. Tiago de Oliveira Pinto (Franz Liszt Music University Weimar, UNESCO chair Transcultural Music Studies) and Prof. Micky Remann (Bauhaus University, Weimar, Immersive Media). The »Konzert im Dome« is created in cooperation of HfM Franz Liszt, Weimar and Bauhaus University, Weimar by invitation of the FullDome Festival.



**EVENING  
PERFORMANCES**  
**live**

**THURSDAY NIGHT:**

**SOULFLIGHT @ FULLDOME - 12 INCH KID & MIŠA (LIVE)**

Thursday, 11:00 pm



We are delighted to welcome a unique and musically moving duet. 12inchkid and Miša are almost a guarantee to experience a Soulflight in an audio-visual perfection. A set of Drum&Bass, Ambient and IDM of a quieter paced way merges together with puristic, fabulous live vocals and absolutely immersive 360° video projections (taken from the FullDome Festival) into a gorgeous full dome experience. This will once again give us pleasant goose bumps while flowing over our own bodies.

**FRIDAY NIGHT:**

**KYMAT - REAL TIME WATER SOUND GOOD VIBRATION SHOW**

Friday, 11:00 pm



This will be the first time ever KYMAT live performance in the dome! FullDome Festival visitor will be treated to a spectacular late night show with KYMAT inventor Sven Meyer. The principle of images that are created by sound dates back to the 18th century. In those times, sand gathered on a metal plate

that was brought to life by means of a violin, creating beautiful patterns in the process. In the 1960s, Hans Jenny took up the idea, animating water by using different frequencies. Musician, DJ and never-tiring tinkerer Sven Meyer will present the latest findings he gained at his Hamburg-based laboratory. In his role as the Mad Professor he invites the audience to take part in an experiment. The set-up is rather simple: A camera takes pictures of a bottle lid that is filled with a sprinkle of water. Most accurately and with the fattest sounds Dr. Meyer will make the water drops go mad. Symbols and basic patterns to be found in this world will be shown along with organic patterns, cells dividing, mandalas, ice crystals, spores, tortoise shells. Thus sound takes on a new shape in the process. Meyer's aim for the KYMAT project: to get the human brain and the whole body into their natural, self-created swing. In this way, the sound and real time display of music patterns is soothing, endless, open to interpretation, vibrating, a massive chillout. Be there for this potentially spectacular KYMAT premiere!

## EVENING PERFORMANCES GALA

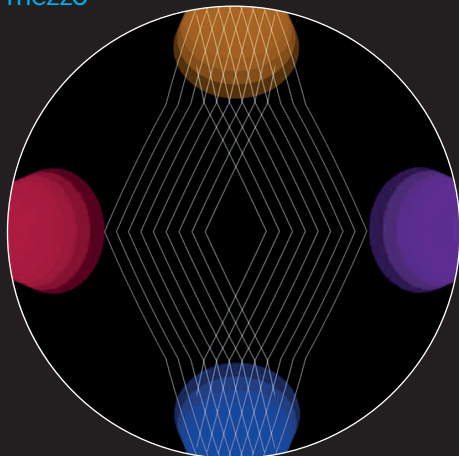


# AWARD GALA

**SATURDAY NIGHT:  
FESTIVAL GALA – AWARD CEREMONY AND BEST-OF-FULLDOME-SHOW**  
Saturday, 7:30 pm

### JANUS-FACED

Claire Dorweiler & Melisa Palacio  
López, Choreografic Fulldome-Inter-  
mezzo



Excitement grows when the winners of the prestigious JANUS Awards are revealed. It's not just the ceremony and the screening of the best festival film that is special: the Gala begins with an original fulldome choreography called »Janus-Faced«, created by Melisa Palacio López and Claire Dorweiler. »Janus-Faced« is about Janus' ability to unite duality. Two dancers, and the fulldome projections interacting with them, embody two extremes that confront each other. These contrasts are reflected in the animation design and the movements, as well as in the position of the dancers. The performance is an interplay between antagonism, encounter and unity.

### BOHEMIAN CRYSTAL INSTRUMENT – LIVE

Lenka Morávková



Later in the night, the audience will be surprised by another performance act. A unique live show from Lenka Morávková and her Bohemian Cristal Instrument is an extraordinary experience, which immerses you into a world where futurism and tradition becomes one. On an adventurous journey with Bohemian Cristal Instrument (an après Cristal Baschet), Lenka Morávková is processing its acoustic capacities along with her voice to create unexpected soundscapes on the border of movie score and pulsing dance music in order to bring unique sonic and visual experience. Lenka performs unique shows, pushing the boundaries of what a music experience is.



# FRAMELESS FORUM



# FRAMELESS FORUM

THURSDAY

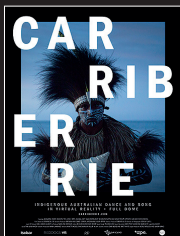
MAY 24

10:00

**Welcome.**  
**Introducing the Power of Twelve Fulldome Festival 2018**  
**Festival Directors and team**

10:20

**»Carriberrie« – Making-of and production background**  
**Dominic Allen (live in Jena) & Warik Lawrance (live via Skype)**



An exhilarating and visceral film that tells the story of Carriberrie-dance, song and music in Aboriginal culture. Actor and performer David Gulpilil guides us across Australia in a concentric, snake-like journey through time and space. Intimate, immersive and breath-taking, this documentary showcases a stunning range of Australian locations and performances. From iconic ceremonial traditional dance in Uluru, through rain making and funeral songs in the desert, and out into modern hip-hop in the alleys of Sydney's thriving urban scene before culminating in a contemporary dance performance from Australia's Indigenous performing company, Bangarra Dance Theatre.  
<https://www.carriberrie.com/>

10:50

**»Die drei ???« as an illustrated 3D-audioplay for the dome**  
**HO3RRAUM – Markus Schaefer & Matthias Krausze**



Based on the world's most successful audioplay series »Die drei ???«, HO3RRAUM Media together with Sony Music Germany have developed a new format for the dome called "illustrated 3D-audioplay". Season 2 is currently playing in just 7 German planetariums that are equipped with the required audio technology. Yet the program has already drawn 75,000 visitors into the dome within 9 months! Besides the brand »Die drei ???« itself, what are the creative aspects that make this format so attractive? And what is the impact on the fulldome medium? Markus Schäfer and Matthias Krausze from HO3RRAUM Media will show excerpts of the series and share some latest insights.  
<https://www.dreifragezeichen.de/planetarium>

**THURSDAY**  
MAY 24

11:45

**Trends and workflows of interactive production techniques**  
Folker Schamel

The wow-effect of fulldome media as immersive medium is not sufficient anymore for sustainable revenues. We need content with depth and sustainability. But fulldome environments are changing the rules of story telling. This is a challenge and an opportunity at the same time. Many century old experiences of movie production don't apply anymore, creating a deep need for experimentation, rapid production prototyping and quick iteration cycles. Virtual production and real-time production technologies are tools making this possible. They blur the line between passive story-telling and interactive media to increase creativity in the production process. This session discusses latest virtual production technologies for fulldome content production. Topics include interactive live animation production replacing of manual animation, focusing on camera control, interactivity, timeline control, recording & replay, rendering and compositing.

12:25

**Highlights of the Full dome History.**  
**High Frame Rates of the Future**  
Maren Kiessling

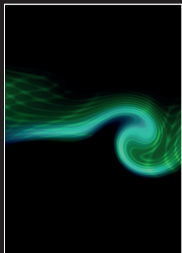
Maren Kiessling writes about Fulldome and High Frame Rate in her doctoral thesis. In this session, she gives us insight in some historical facts about film projections in planetariums and other potential fulldome venues – beginning with the Cinéorama, over the "Wonder of Jena" to Disney's cylindrical panoramas and the fancy laser-movement in the 70s. The whole essay is readable on [fddb.org](http://fddb.org). Also, she talks about her newest research study: how the blood flow in the visual cortex is affected by High Frame Rate.

## FRIDAY MAY 25

10:00

**Welcome on board to a brand new FullDome Festival day!**  
**Festival Directors and team**

10:10



**From Visual-Music to Fulldome**  
**Prof. Ricardo Dal Farra**

Early experiments in visual-music, using what we understand today as conventional formats, we are joining new technologies with an explosion of innovative explorations that were transforming our perception of art. Surfing between cinema, video-art, expanded and new media forms, sound art, acoustic or electroacoustic and mixed music, visual-music started to find a place also in planetariums and other fulldome spaces, allowing new modes of expression in a time when art was reaching many different extremes. Today, visual-music and fulldome – acting together – seems to be opening the gate towards a new field where transdisciplinary research-creation would become possible, helping to dilute the borders and traditional paradigms between art, science, and technology. This approach could help us in working on a new understanding of the world, where collective-immersive mixed reality would probably be part of our daily experiences.

11:00



**From Fulldome Student and Janus Award winner to professional head of VR**  
**Laura Saenger**

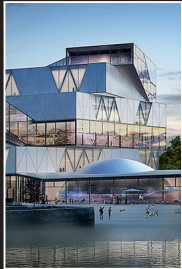
Laura Saenger is Head of 360° and Virtual Reality at the Film and TV Production Company TVN GROUP in Hannover, Germany. Her specialist team designed and implemented 360° VR experiences in various fields of application like education, healthcare, entertainment and politics. With own camera solutions, TVN pushes the development and application of innovative 360° technology, thus acting at the forefront of 360° live streaming. Laura Saenger studied Art History and Communication Arts at the Brunswick University of Art, focusing on 2D and 3D animated movies and fulldome film production. Her master thesis was an international 360° fulldome video, combined with live action. The co-production has been nominated and awarded several times. Laura Saenger will provide an insight into her current projects.



**FRIDAY**  
MAY 25

11:35

**Experimenta Science Centre Heilbronn**  
Ralph Heinsohn

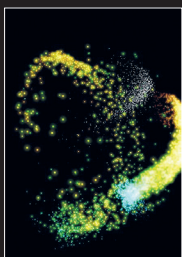


The Experimenta is a Science Center located in the city of Heilbronn in Southern Germany and was founded in 2009. Its mission is to inspire visitors of all ages for natural sciences and technology. The exhibition features analogue and digital, interactive exhibits that encourage to experiment with natural sciences and technology. Due to extraordinary high visitor numbers over the first years of existence, it was soon decided that Experimenta would be expanded with a new building featuring a Digital Dome theatre with a 21 m diameter dome screen. The so-called "Science Dome" is a hybrid dome theatre also featuring a theatre stage and a rotating platform for the audience. It does not only raise bars in terms of technology, but also aims to establish new forms of 360° content beyond classic planetarium-related topics. The new Experimenta will open in spring 2019. Ralph Heinsohn will give a report on the status of development and content production.

[www.experimenta-heilbronn.de](http://www.experimenta-heilbronn.de).

12:05

**"Zwischen Himmel und Erde"**  
Concept for a Visual Music Film in the Dome  
Prof. Wilfried Jentzsch



A verse by the Chinese philosopher Laotse (from the Tao te King) was a source of inspiration. It is based on a cosmic idea, beginning with the words: The space between heaven and earth. The music is based on three basic materials: a Chinese cymbal, bird voice and medieval sacred vocals. These three materials come from different cultures, different eras and omnipresent nature. With the help of digital methods of sound synthesis, new sounds are created. The visual design is based on motion graphics. All images were generated with the help of certain algorithms in the computer. The design is based on particles, just as our cosmos is composed of tiny particles. The spherical shape of the Earth and the Sun form the visual center in which granulating sound and image clouds move in complex configurations of a virtual 3D space.

## FRIDAY MAY 25

12:20



### "Imaginary Landscapes" Prof. Jörg Lensing

In the winter semester 2016/17, students of MA Sound and the major in "Sounddesign" in the BA programme Film&Sound of the University of Applied Sciences, Dortmund in cooperation with students of the ICEM of the Folkwang University of the Arts developed the audio-visual radio play "Anthropozän – planetarische Leitplanken" (planetary guard rails) for the Bochum Planetarium, which had a successful premiere in April 2017.

The theme and title of the new audio-visual fulldome works, in renewed collaboration between the three players, are "Imaginary Landscapes", which are certainly conceived in the style of John Cage's composition of the same name from the 1960s, without copying or citing it. In a total of five individual compositions, each lasting between 10 and 15 minutes, and in additional collaboration with students from seminars at the University of Applied Sciences, Dortmund and the ICEM in Essen who work visually and cinematically, the theme "Imaginary Landscapes – Imaginary Soundscapes" is always condensed into a unique audio-visual composition in collaboration with sound designers, composers and visual designers.

[https://www.planetarium-bochum.de/de\\_EN/program/imaginary-landscapes.1176883](https://www.planetarium-bochum.de/de_EN/program/imaginary-landscapes.1176883)

12:45



### fulldomedia gmbh – sponsor presentation Tilo Hohenschläger (Matthias Rode)

fulldomedia gmbh offers mobile fulldome technology for events, schools, companies or trade fairs. Inflatable domes according to German security standards as well as single and multi-channel fulldome projectors can be rented or purchased.

## SATURDAY

MAY 26

10:00

**Welcome to a brand new, last festival day!**  
**Festival Directors and team**

10:10

**KYMAT**  
**Interactive Fulldome demonstration of moving water**  
**Sven Meyer**



Our friend, musician, DJ and never-tiring tinkerer Sven Meyer will present the latest findings he gained at his Hamburg-based laboratory. In his role as the Mad Professor he invites the audience to take part in an experiment. The set-up is rather simple: A camera takes pictures of a bottle lid that is filled with a sprinkle of water. Most accurately and with the fattest sounds Dr. Meyer will make the water drops go mad. Symbols and basic patterns to be found in this world will be shown along with organic patterns, cells dividing, mandalas, ice crystals, spores, tortoise shells. Thus sound takes on a new shape in the process. [www.kymat.de](http://www.kymat.de)

11:10

**Immersion - New Infinity as part of the Berliner Festspiele**  
**Marie-Kristin Meier**



Go in instead of look at. Allan Kaprow's idea has been the leitmotif of the Immersion programme of Berliner Festspiele conceived over several years. Since 2016 we have presented works in this series that often occupy territory on the borders between exhibition and performance. At the Haus der Berliner Festspiele, Gropius Bau and in other venues we present pioneering artistic positions and investigate and interrogate formats, narrative forms and everyday practices that recalibrate our relationship between activity and passivity. For the programme series "The New Infinity", we will join forces with Planetarium Hamburg from 2018 to 2020 to produce new artistic works for digital fulldome systems used in planetariums. For "The New Infinity", we will place the planetarium's Kuppelraum (domed hall) at the disposal of artists as a space of facilitation, where they can use the digital audio and video equipment for the creation of new artistic works.

This talk will give an overview on current and future virtual reality and fulldome productions that we have been developing together with artists since 2016.

## Saturday MAY 26

11:40

### B3 Fulldome, Festivals and Domes Prof. Rotraut Pape

The B3 Biennale of Moving Image offers an extensive spectrum of events that promotes cross-genre and international discourse and the networking of experts and up-and-coming talents from film, television, virtual and augmented reality, art, technology and science and related fields such as robotics. On the B3 artistic fulldome films from all over the world can be seen in a dome construction, which is set up especially for the festival.  
<http://www.b3biennale.de/>

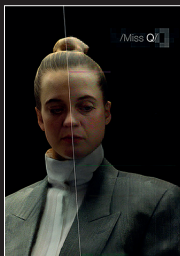
12:00

### Macon Film Fest Diane Reichenbach (live via Skype)

The Macon Film Festival screens independent films from around the world in multiple historic theaters in the city's downtown district. It partners with the Museum of Arts and Sciences (MAS) to host the fulldome film category.  
<http://www.maconfilmfestival.com/full-dome-film/>

12:05

### "Do you exist Miss Q?" – Interactivity Session Tobias Bieseke



"Do you exist Miss Q?" is an VR installation, like a video game, which you can explore with the HTC Vive VR-Glasses. It is not a 360° Video, it is interactive and you can walk through this small world and explore the judgement trial or the inner world of Miss Q. The Basic Story of comes from Stanislaw Lem and describes a trial between Miss Q and the Lawyer Mr. Tenner, who mean that Miss Q is no more a human being, because she consists of 98% prostheses. The Question remains: "Do you exist Miss Q?".

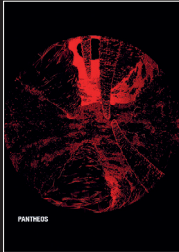
Producer names: Harald Opel, Lennart Oberscheidt, David Wesemann, Aline Wyrwich, Tobias Bieseke, Max Walter

## SATURDAY

MAY 26

12:00

### Pantheos Omar Alvarez



Pantheos is the result of syncretism between cosmogonies, creationist myths from different religions and modern cosmological theories of the origins of the universe, and tries to imagine the mythological account of the Genesis of a virtual universe.

12:10

### The Fulldome Manifesto Micky Remann

... finally, it will be proclaimed!



# PROGRAM AT A GLANCE





# PROGRAM AT A GLANCE

DOME (PLANETARIUM)

LOUNGE (Tent)

## WEDNESDAY, MAY 23

19:30 **Konzert im Dome – The Visual Music Experience**

## THURSDAY, MAY 24

10:00 **Welcome. Introducing the Power of Twelve FD Festival 2018**  
Festival Directors and team

10:20 **“Carriberrie” - Making-Of and production background**  
Dominic Allen (live in Jena) & Warik Lawrance (live via Skype)

10:50 **„Die drei ??? as an illustrated 3D-audioplay for the dome**  
HO3RRAUM - Markus Schaefer & Matthias Krausze

11:45 **Trends and workflows of interactive production techniques**  
Folker Schamel

12:25 **Highlights of the Full dome History.High Frame Rates of the Future**  
Maren Kiessling

13:00 Lunch Break

14:00 **»Mice and the Moon«**  
**»Passport to the Universe«**

15:00 **»Mars 1001«**  
**»Tales of a Time Traveller«**

16:00 **»Far From Frozen«**  
**»Explore«**

17:00 **»Our North Pole«**  
**»HORIZON: Beyond the Edge of the Visible Universe«**

18:00 **»Carrieberrie« World Premiere**

19:00 Break

19:30 **Short Film Night**  
23:00 **Soulflight @ Fulldome - 12 KID & Miša live**



# PROGRAM AT A GLANCE

## FRIDAY, MAY 25

- 10:00** Welcome on board to a brand new FullDome Festival day!
- 10:10** From Visual-Music to Fulldome  
Prof. Ricardo Dal Farra
- 11:00** From Fulldome Student and Janus Award winner to professional head of VR  
Laura Saenger
- 11:35** Experimenta Science Centre Heilbronn  
Ralph Heinsohn
- 12:05** "Zwischen Himmel und Erde" Concept for a Visual Music Film in the Dome  
Prof. Wilfried Jentzsch
- 12:20** "Imaginary Landscapes"  
Prof. Jörg Lensing
- 12:45** fulldomedia gmbh - sponsor presentation  
Tilo Hohenschläger
- 13:00** Lunch Break
- 14:00** »The adventures of claws and green«  
»Bot & Lu: The Escape from the Black Hole«
- 15:00** »Stardancer's Walz«  
»Star Maker«
- 16:00** »Brownian Motion«  
»Faster Than Light: the Dream off Interstellar Flight«
- 17:00** »Die Superhelden der Tiefsee«  
»Expedition Reef«
- 18:00** »Bollos«
- 18:30** »Dreamsymbiosis«
- 19:00** Break
- 19:30** Student's Night
- 23:00** KYMAT – real time water sound good vibration show





# PROGRAM AT A GLANCE

## SATURDAY, MAY 26

- 10:00 Welcome to a brand new, last festival day!
- 10:10 KYMAT-Interactive Fulldome demonstration of moving water  
Sven Meyer
- 11:10 Immersion - New Infinity as part of the Berliner Festspiele  
Marie-Kristin Meier
- 11:40 B3 Fulldome, Festivals and Domes  
Prof. Rotraut Pape
- 12:00 Macon Film Fest  
Diane Reichenbach (live via Skype)
- 12:05 "Do you exist Miss Q?" – Interactivity Session  
Tobias Bieseke
- 13:00 Lunch Break
- 14:00 »Skylark«  
»Das Silberne Segel«
- 15:00 »Liminality«  
»The Planets 360 – Modern«
- 16:00 »Mesmerica«  
»Kyma, Power of Waves«
- 17:00 »The Meadow Racers«  
»Dimensions – Once Upon Our Reality«
- 18:00 Break
- 19:30 FESTIVAL GALA.  
BEST-OF-FULLDOME-SHOW AND AWARD CEREMONY  
with choreografic Fulldome Intermezzo "Janus-faced" and  
Bohemian Crystal Instrument - Live

**MANY THANKS  
TO ALL  
SPONSORS**

## Five Star and Double Star FullDome Festival Patrons



Sternevent GmbH  
Our host and main sponsor



Carl Zeiss Jena GmbH  
Sponsor of the JANUS Student and  
JANUS Astro Award



Fundación Planetario  
Universidad de Santiago de Chile  
Double Star Patron

## FullDome Festival Patrons



fulldomedia GmbH



Sky-Skan Europe GmbH



Toskanaworld GmbH

## FullDome Festival Sponsors

Sebastian Neuß  
Micky Remann  
Volkmar Schorcht



## OUR ADVISORY BOARD

### **Aaron Bradbury**

VR Creative / NSC Creative

### **Dan Neafus**

IMERSA, USA

### **Dr. Ricardo Dal Farra**

Concordia University, Montreal,  
Canada

### **Prof. Rotraut Pape**

Hochschule für Gestaltung,  
Offenbach

### **Ubbo Grassmann**

Planetarium Stuttgart

### **Prof. Mike Phillips,**

Plymouth University, UK

### **Ralph Heinsohn**

Designer, Curator & Producer of  
Immersive Media & Creative Director  
Science Dome Content

### **Dr. Peter Popp**

Softmachine Immersive Productions  
Munich

### **Tim Florian Horn**

Zeiss-Großplanetarium Berlin

### **Markus Schäfer**

The Content Dome GmbH,  
Hamburg

### **Michaela French**

Royal College of Art,  
Fulldome Research Group,  
London, UK

### **Dario Tiveron**

Fulldome Database Fddb, Italy

### **Maren Kießling**

Martin-Luther-Universität  
Halle-Wittenberg

### **Björn Voss**

Planetarium Münster  
Gesellschaft Deutschsprachiger  
Planetarien e.V.

### **Shawn Laatsch**

Emera Astronomy Center  
University of Maine, USA

### **Ryan Wyatt**

Morrison Planetarium &  
Science Visualization  
California Academy of Science, USA

### **Warik Lawrance,**

Melbourne Planetarium, Australia

### **Pedro Zaz**

United VJs, Portugal/Brazil

### **Dr. Maciej Ligowski**

Creative Planet, Poland

### **Tina Zimmermann**

Visual Artist, Berlin

SAVE THE DATE



**May 22 - 25, 2019**



# fulldomefestival foundation

Producer

Fulldome Festival Foundation

Venue

Zeiss-Planetarium Jena  
Am Planetarium 5  
07743 Jena, Germany

Information

+49-3641-88 54 88

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

[www.planetarium-jena.de](http://www.planetarium-jena.de)

Facebook: FullDome Festival

E-Mail: [contact@fulldome-festival.de](mailto:contact@fulldome-festival.de)

eventbase: 12th FullDome Festival

Festival Team

Stefan Harnisch  
Jürgen Hellwig  
Micky Remann  
Volkmar Schorcht  
Claire Dorweiler  
Liese Endler  
Kate Ledina  
Johannes Kaiser

Design and Layout

Claire Dorweiler

printed by  flyerwire.com