

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



fulldomefestival

SPATIAL FEELING

MAY 11-14 2023

Opening night  
KUR KOMMANDER  
May 10th 19:30

PROGRAM

## WELCOME TO THE 17TH JENA FULLDOME FESTIVAL

What do happy and healthy youngsters do on their 17th birthday?

Indulge in nostalgic retrospection or immerse in panoramas of the future. Maybe a mix of both? Whatever it is, it will probably be charged with Spatial Feeling.

A year from now, in 2024, the FullDome Festival will turn 18, and the mothership of all fulldomehood, the star projecting Planetarium, celebrates its 100th birthday. Locally in Jena and internationally in the 4.000 or so Planetariums worldwide, and it's fair to predict that the whole world will be watching.

The Jena FullDome Festival is excited to be part of the Centennial of the Planetarium festivities. At the same time, we continue to be independent of any one definition of why the dome is special or what immersive media is all about. Each year we review, reflect and discuss where the medium is positioned and where it might branch out in the future. Promoting fulldome means embracing openness toward immersive content in art, science, business and technology. It means exchanging innovative ideas that inspire our beloved community and the global culture at large.

The Jena FullDome Festival today is a 17-year-old, self-learning organism, always questioning where we need to change to keep up with the evolution of all things in 360 degrees. With this being said, we are tremendously pleased, proud and honored to present to you the program of the 17th Jena FullDome Festival 2023.

Welcome everyone, and feel free to share that Spatial Feeling!

Your Jena FullDome Festival Team

MICKY REMANN



ROBERT METZNER



KATE LEDINA



LIESE ENDLER



STEFAN HARNISCH



MOHAMMAD JARADAT



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# JURY

## 2023

### INTRODUCING THE 2023 JURY

We are honored to introduce three experts who have agreed to donate their time to review fulldome shows eligible for an award in the 2023 contest. The jury members decide which shows deserve a JANUS Award. All award winners will be publically announced and applauded at the Festival Gala on May 13th. The announcement ceremony will be streamed live and free to the world.

KATE MCCALLUM



ANDREAS SCHMIDT



RUTH COALSON



Kate McCallum is a Los Angeles-based multi-media producer and writer. After 20 years of experience in the development and production of films and TV at NBC Universal and Paramount Studios, Kate joined forces with Vortex Immersion Media and created an Artist In Residence program for The Vortex Dome, LA where she assisted in the conceptualization, creation, and production of 360 fulldome projects—from immersive 360 cinema, ballet, musicals, concerts, performance art and immersive presentations.

Andreas Schmidt is a product manager at the Carl Zeiss Jena GmbH. He works on the board of the GDP (Society of German-speaking Planetariums) and on the planetarium's centenary celebration.

Ruth Coalson is a UK based independent consultant and producer for the creative, attraction, full-dome and immersive film sector. Ruth is involved with the Festoon Software which helps the fulldome production process from storyboarding, reviewing animations and working collaboratively with other artists.

Soundjury: Christoph Schattschneider, Josua Hagedorn



## OPENING NIGHT

Live at the Zeiss-Planetarium Jena & as 360 Stream

### KUR KOMMANDER

**Wednesday, May 10th , 19:30**

The theatrical rendition of a 7 episode TV-series, produced by DOMEFLIX, combines dome projection, live music, acting and a hallucinatory appearance of aliens.

Ralf loves the water. The first day on his new job as a life-guard, he falls in love with Käthe, the beautiful sauna attendant. Ralf stumbles and falls on his head and in his stupor witnesses Käthe as a singing mermaid. Soon he is on a guided tour to the origins of life and into the future.

KUR KOMMANDER is an immersive fulldome theatre in the style of a TV-series. It was produced under troublesome conditions in pandemic times.





**THURSDAY**  
**MAY 11th**

# PROGRAM AT A GLANCE

**THURSDAY, May 11th**

**CET**

<b>14:00 - 15:30</b>	<b>FRAMELESS FORUM (IN THE PLANETARIUM)</b> with Ahmet Börütecene, Corbett Wall, Maximiliane Nirschl, Leon M. Kostner
<b>15:30</b>	<b>Coffee Break</b>
<b>16:30 - 17:30</b>	<b>FULLDOME FILMS</b> Dancing with the stars
<b>18:00 - 19:30</b>	<b>FULLDOME FILMS &amp; LIVE PERFORMANCES</b> Do you feel it?
<b>19:30</b>	<b>Dinner/Bar Break</b>
<b>21:00</b>	<b>ILLUSIVE SPHERE: Acid Pauli with visuals by conzum</b>

- The exact schedule may vary -

**THURSDAY  
MAY 11th**



**ZEISS-PLANETARIUM JENA  
SEMINAR ROOM**

# INTRODUCING THE ARTIST-IN-RESIDENCE PROGRAM AT LINKÖPING UNIVERSITY, SWEDEN

## Ahmet Börütecene

I earned my PhD in Interaction Design at Koç University Design Lab, completing Design, Technology, and Society program. I am now working as an assistant professor (biträdande universitetslektor) in the Media and Information Technology division at Linköping University, Sweden. My current research focus is on haptic interfaces for human-AI interactions, extended reality applications for remote collaboration, and citizen-driven smart cities.

# INTRODUCING LIVE PERFORMANCE "COU 175586 LITTLE WARRIOR"

## Corbett Wall, tanivu nota, Maximiliane Nirschl and David Era

Cou 175586 Little Warrior is an indigenous Cou legend about a young boy brought to the heavens by the supreme god Hamo to learn the ways of the warrior.

Journey together with Hie to a celestial world called 175586 where he learns from the forest animals and meets the supreme god Hamo, who transforms him into a Cou warrior. With Hamo's spear and the gift of fire, Hie returns to his village to share the wisdom of the ancients.

Deep in the heart of Taiwan's lush green mountains, the Cou people have lived for centuries, proud of their rich cultural heritage and deep connection to the natural world around them. Cou 175586 Little Warrior is an international collaboration between Taiwan, Germany, and Austria, with the support of Rebalance Renaissance Group, Being Present Youth Support International Exchange NGO, and MOTUS Dome, who work together in the Cou villages using art and technology as a way to preserve the culture of the Cou people.

# INTRODUCING THE „DANCING DATA“ PROJECT

## Maximiliane Nirschl

Maximiliane Nirschl is a german filmmaker and imagineer, who has worked on multimedia projects ranging from interactive installations to an immersive fulldome show (SEEDS, 2019). She has worked as a fulldome screenwriter for the Visualiseringsscenter C in Sweden and started an international collaboration with Corbett Wall from Taiwan to produce a fulldome show about indigenous taiwanese culture (Cou 175586 Little Warrior, 2023).

Her current project is the fulldome film DANCING DATA. A story about Artificial Intelligence. And us. The piece explores the unique, impactful characteristics of the immersive, 360° environment fulldome, to make the core principles of AI experienceable and understandable. Using an inspiring story that focuses on the real life impacts of AI, metaphors and tangible models, it paints a differentiated picture of the technology and makes it relatable for a laypeople audience. It is a call for more engagement of diverse actors and for a consequent focus on human-centered AI.

# INTRODUCING "CANAVAR" LIVE PERFORMANCE & CHOREOGRAPHY

## Leon M. Kostner & Kaya Peters

As an immersive dance performance, CANAVAR focuses on spaces of fear and dystopia, exploring themes of human-centered environments, pervasive thoughts of fear and the unknown. In a dystopian setting, two creatures collide, explore, and learn to navigate their environment until they realize they cannot dwell on this terrain. These creatures seem like reptiles with strong animalistic movements. Yet their intentions remain unclear. There is a strong tension in the air, but is it playful or combative? Their behavior seems torn and driven by an inner demon. By creating this space of fear, the performance raises questions about how fear is omnipresent in our society and how to deal with it. But what does fear stand for? It illuminates the themes of existence, post-humanism, and the future. Ultimately, the piece negotiates human existence in a metaphorical sense; the two creatures exist only to realize that their existence is in danger.



LIVE at ZEISS-PLANETARIUM JENA

## PINK FLOYD - THE DARK SIDE OF THE MOON

**NSC Creative  
United Kingdom 2023 (44 min)**

The show is a set to the latest remastering of Pink Floyd's 1973 album, The Dark Side Of The Moon. This is the first, and only, Pink Floyd planetarium show approved by Pink Floyd themselves. An acknowledgment to Pink Floyd's visual history, all relating to a time and space experience, embracing technology that only a Planetarium can offer. An all encompassing surround sound and visual treat that transcends reality and takes you way beyond the realms of 2D experience.

FEATURE FILM

## ONE LOVE BY ANTIBOY

**Moonspinner Productions LCC, Michael J Saul  
USA 2022 (4 min)**

Fulldome music video of Antiboy's song ONE LOVE. Recording Produced by Fernando Garibay, Ramiro Padilla and Daniel Padilla.

Written by Sizzie Rocket, Jane Badler and Harry Hains.

SHORT FILM

## DANCING DATA

**Maximiliane Nirschl  
Germany 2023 (5 min)**

DANCING DATA engages the audience emotionally in the technical subject of AI. It shows the effects of AI on real life and uses metaphors to help understand the technical concepts of AI. Together with Tiva and Erik, the audience can reflect on their fears, hopes and knowledge of AI.

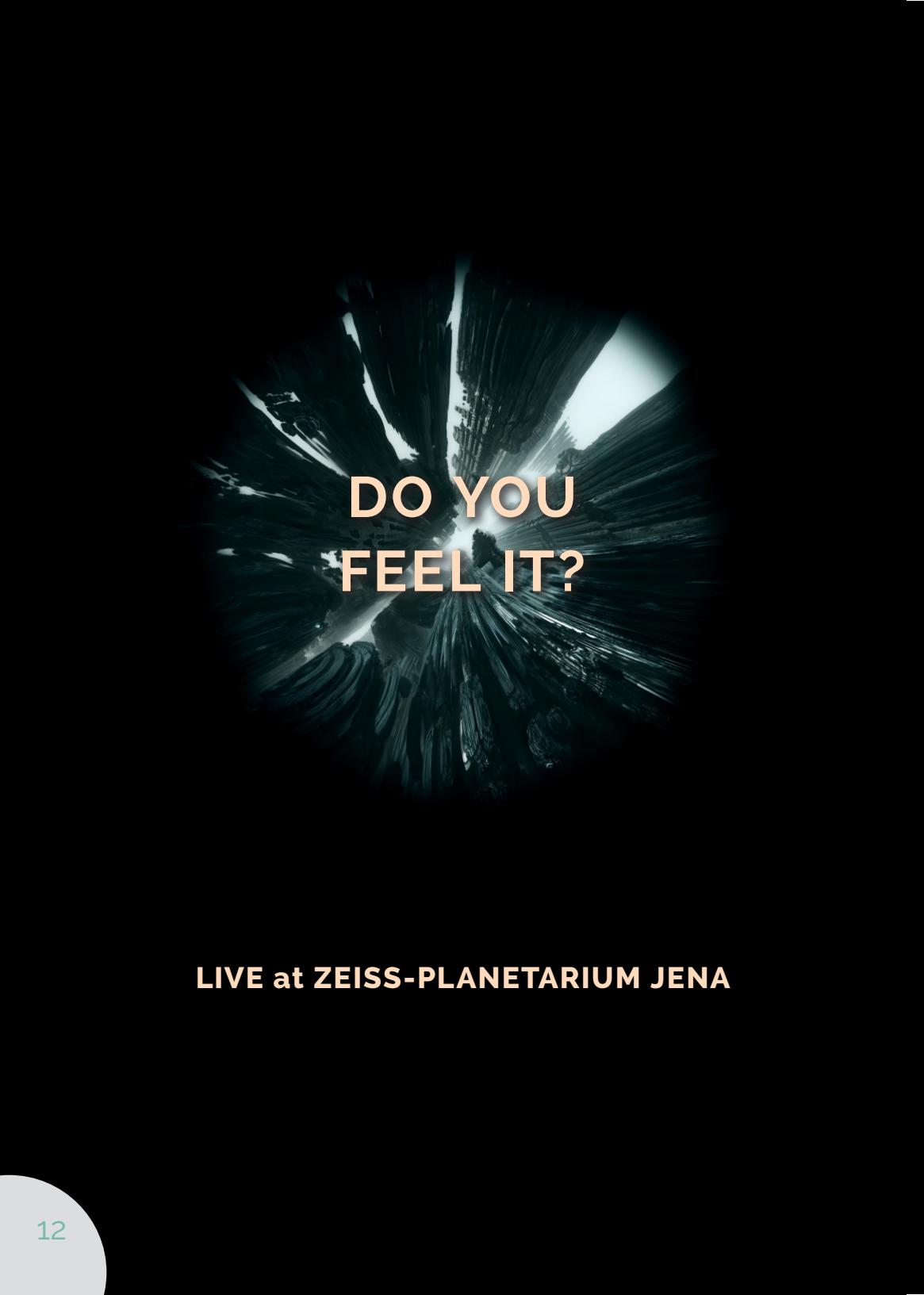
SHORT FILM

## COSMIC CAVERNS

**Claudio Recabarren Madrid, Juan Carlos Vidal  
Chile 2023 (5 min)**

An AstroArt fusion film for dome theaters by renowned Chilean pianist/composer Claudio Recabarren Madrid. The film features original piano compositions with ethno musical arrangements such as voice, wind, and ancestral percussion from the culture Andino Maya. Original immersive imagery lends artistic, cosmic layers to the work, creating a sensory relationship with the music being performed.

SHORT FILM



**DO YOU  
FEEL IT?**

**LIVE at ZEISS-PLANETARIUM JENA**

## DANCING WITH DEAD ANIMALS

**Maarten Isaäk de Heer, Menetekel Film  
Germany 2022 (11 min)**



In 2022, the Animation artist Maarten Isaäk de Heer made photographs of all dead animals he encountered and revived them in a 360° paradisical scene. He was astonished by the huge number of animal deaths in his direct environment: from masses of fruit flies all dying together, to mice brought in by his own cat, so he made a record of all of the dead creatures he encountered over the course of a single spring and summer.

SHORT FILM

## SHEESH MAHAL

**Amna Chaudhry, Pakistan 2023 (5 min)**

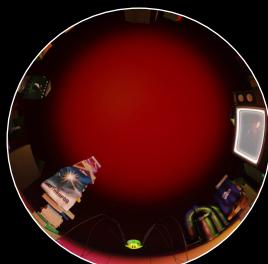


This film is about the filmmaker's experience in the Spiegelarche in Germany, which inspired her to share her memories of the beloved Palace of Mirrors (Sheesh Mahal) from her country, Pakistan. Sheesh Mahal has an interior designed with mirrors and gems. Experience different parts of this beautiful hall of mirrors in an immersive way while listening to the original music from Pakistan.

NEW TALENT

## WANNABE SPIDER

**Patrik Bałon, Czech Republic 2022 (5 min)**

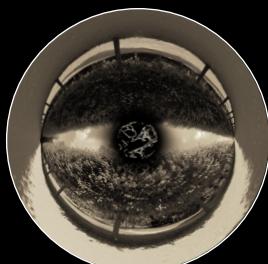


Daddy longlegs, the wannabe spider, tries to transform himself into the scariest arachnid who ever lived. Although he does his best, he cannot escape his own inherent goofiness. Get ready to shudder and chuckle in this spine-tingling and bone-chilling humorous teaser serving as a snippet of what is crawling to you later.

SHORT FILM

## PHANTOM EYE

**Carlos Hurtado Múnera, Germany 2022 (5 min)**



After a person's eye is removed due to illness or trauma, the brain and nervous system can generate phantom pain and sometimes hallucinations. Between 2019 and 2021, many Colombians protested against an unjust government and riots started to break out when the police violently attacked demonstrators. One of the most common injuries produced by the public force was eye trauma.

NEW TALENT

## QUANTROVERSE.

**Marek Slipek, Germany 2023 (6 min)**

We quantize our world because space becomes understandable when we map it. Earth information needs a 2D map, space and cyberspace a 3D grid. Sailors think two-dimensionally, star sailors and cybernauts spatially. Quantroverse uses a spatial grid as the thinking space of wave-particle duality. Waves and particles interact with each other and break through spatial logic while a quantization grid permeates the sound space.

**SHORT FILM**

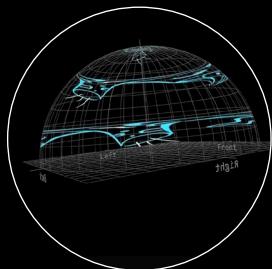


## OPIR \*WITH SHUSHU

**Xenia Günther, Germany 2023 (5 min)**

The Projekt Opir (ukrainian: resistance) is an experimental 360 digital drawn sound based Animation. Topic of the Track is the intense and immersive experiences while being confronted with the fullscale invasion in Ukraine. ShuShu is connected to the collective consciousness and a transforming being. In the media of the Fulldome this character can show its mood and personality. It can take us through its magic world and transcended perspectives.

**NEW TALENT**



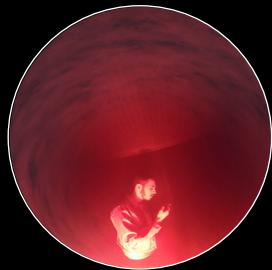
## IN-BETWEEN

**Student Group, Hochschule Darmstadt  
Germany 2023 (5 min)**

Trapped in a never-ending class "in between" the real world and purgatory, the protagonist is confronted by the memories of his past. Seeking retribution for the sins he's committed, haunted by visions and illusions, he faces the darkness...alone.

Will he endure the trial of fire?

**NEW TALENT**



## TOMORROW I AM ALIVE



**Student Group of Hochschule Darmstadt  
Germany 2023 (5 min)**

A woman, who is a victim of war, struggles with PTSD due to the loss of her parents, friends, and child. She experiences sensations, fighting between what is reality, hallucination, and memory. "Tomorrow I am Alive" is elucidating ways, in which severe traumatic experiences can impinge upon daily live and long-term mental health. It aims to promote empathy and advocates for peace and reconciliation.

NEW TALENT

## UNDETERMINED OUTCOME

**Rocco Helmchen, Johannes Kraas  
Germany 2023 (7 min)**

An experimental piece, attempting to imagine something which can't in fact be pictured. By stripping away layers of the real world it tries to visualize the strange cosmos of quantum mechanics and deconstructs reality into the indeterminable realm of fundamental particles. Through an immersive journey focusing on emotion, confusion and fascination, it opens an interpretative gateway to a world which seems impossible to comprehend by everyday experience.

SHORT FILM

## CANAVAR

**Leon Kostner, Kaya Peters  
Germany 2023 (10 min)**

As an immersive dance performance, CANAVAR focuses on spaces of fear and dystopia, exploring themes of human-centered environments, pervasive thoughts of fear and the unknown. In a dystopian setting, two creatures collide, explore, and learn to navigate their environment until they realize they cannot dwell on this terrain.

LIVE PERFORMANCE

## COU 175586 LITTLE WARRIOR.

**Tanivu Nota, Maximiliane Nirschl, David Maier  
Germany 2023 (10 min)**

Cou 175586 Little Warrior is an indigenous Cou legend about a young boy brought to the heavens by the supreme god Hamo to learn the ways of the warrior. Journey together with Hie to a celestial world called 175586 where he learns from the forest animals and meets the supreme god Hamo, who transforms him into a Cou warrior. With Hamo's spear and the gift of fire, Hie returns to his village to share the wisdom of the ancients.

LIVE PERFORMANCE



# CONCERT NIGHT

## ACID PAULI



### ILLUSIVE SPHERE: ACID PAULI WITH VISUALS BY CONZUM

Thursday May 11th, 21:00 CET

Over the last 20 years Acid Pauli has been exploring new fields of music away from the mainstream path: psychedelic, adventurous and full of musicality. His innovative audiophile approach opens the sphere for an inspirational performance.

He is a pioneer in the field of sound design and 3D sound. For the Fulldome Festival, ACID PAULI will play a 3D sound set, exploring the boundaries of the Planetarium's sound system.

Sit back, tune in and experience a unique soundscape.

Label: Ouïe

Visuals: conzum (WuT)

Praise the dome!

There will be video recordings at the events. Kindly supported by JenaKultur



A circular graphic featuring a dense, dark green background of leafy branches and twigs. In the center of the circle is a solid red area. Overlaid on this red center are the words "FRIDAY" and "MAY 12th" in a bold, white, sans-serif font.

**FRIDAY**

**MAY 12th**



# PROGRAM AT A GLANCE

## FRIDAY, May 12th

CET

8:30-9:30	YOGA IN THE DOME (ENGLISH SESSION) with Sandra Stock
10:00-12:15	FRAMELESS FORUM (SEMINAR ROOM) with Dennis Rudolph, Sven Meyer, Josef Pelz, KateMcCallum, Ruth Coalson, Patrick Geiss
12:15	Lunch Break
13:00-14:50	FULLDOME FILMS Not just for the kids
15:10-16:30	FULLDOME FILMS Sky stories
17:00-18:30	FULLDOME FILMS Under the microscope
18:30	Dinner/Bar Break
20:30	Double Feature: Kymat & Dennis Rudolph

# MORNING SESSIONS

## YOGA IN THE DOME



### 3D – YOGASESSION: „CHAKRA – AWAKENING“

**May 12th at 8:30 (in english)**

**May 13th at 9:00 and 10:00, May 14th at 17:00 (in german)**

This yoga session in the Planetarium Jena is unique in Germany!

You can expect a yoga session, which you will experience wrapped in a three-dimensional space of harmoniously composed sounds, colors and images (visuals). This may sound strange with regard to the intention in yoga - to listen and look inward - but it actually reinforces it. The colors, moving images and music that surround you, combined with the asanas that are attuned to them, will allow you to experience an intense yoga practice and holistic effect on your body & mind.

Immerse yourself with all your senses in a yoga experience of a special kind!

Sandra will wake up your body with simple but effective yoga postures this morning/evening and activate your chakras! The focus is on the 7 main energy centers, the so-called chakras, to which colors are also assigned. You can expect an intensive color bath, which strengthens the effect of the asanas and activation of the energy centers.

The visuals were carefully selected by the media artist Conzum and Sandra, so that an impressive synthesis of the arts of music & image has been created, which harmoniously accompanies the yoga session. Are you ready for this extraordinary journey?

Bring your own mat and a blanket. Yoga mats and blocks can also be rented on site for a donation.

**FRIDAY**  
**May 12th**



# **FRAMELESS FORUM**

**ZEISS-PLANETARIUM JENA**

## DAS KUNSTWERK DER ZUKUNFT

**Dennis Rudolph**

Introducing world premiere of an interactive AR/Mixed Reality original composition with Dome-App for the audience.

The title of this show finds its inspiration in the thesis of Richard Wagner's essay - Das Kunstwerk der Zukunft: just as mankind develops as the result of Nature's conditions for the existence of mankind - so too does art develop as the result of the conditions mankind has set out for its manifestation. Rudolph reflects on the current technological conditions set out by mankind for the existence and experience of art. The Zeiss-Planetarium is the perfect setting for a new Gesamtkunstwerk.

Kindly supported by Spiegelarche.

## INTRODUCING KYMAT SOUND VISUALIZATION:

### VISIBLE PLANT MUSIC

**Sven Meyer**

Flowers, plants and trees can make music through an electromagnetic apparatus. KYMAT plays with his botanical friends and creates relaxed melodies and sounds. This music then becomes visible via a water-sound installation and can thus be experienced. Sound waves become water waves. The design and shaping of vibrations, frequencies of sounds can be found everywhere in nature, back to the big bang. Nature, water & light become one.

## TOUCHDESIGNER AS A TOOL FOR FULLDOME PRODUCTION

**Josef Pelz**

An extensive overview on TouchDesigner's capabilities to produce and preview content for fulldomes in real-time. Demo of how to create visuals for fulldome in TouchDesigner and connect them to spatial audio systems.

## TEAMWORK MAKES THE DREAM WORK: THE ART OF COLLABORATION

**Kate McCallum**

From planetariums, to pop-up domes to domes in the Metaverse.. Immersive media and full-dome are an exciting format emerging in the entertainment, arts and cultural landscape. As fulldome theaters popularize into the mainstream alongside the planetariums and existing venues such as: The Space 360 theater in Korea, Comcast's SPHERE in Philadelphia (to name a few), and with new venues on the horizon slated to open over the next few years such as: the MSG's Sphere in Las Vegas (this Fall) and London (tbd), and Cosm's new venue in Los Angeles, there will be more need for creative, high-quality 360°-programming and immersive content. Learn what trends are on the horizon in the fulldome venue space expands, and how Vortex Immersion Media has been collaborating with others about this space to create exciting new opportunities for the medium.

## INTRODUCING FESTOON: A SOFTWARE DEVELOPED TO HELP ARTISTS REVIEW THEIR WORK IN A FULLDOME ENVIRONMENT ON YOUR DESKTOP OR WITHIN A VR HEADSET

**Ruth Coalson**

We will talk about the functionality and updates to Festoon and I will be joined by Graham Watts, from Moonraker VFX. He will talk from a Creative Director perspective how it helped on their first Fulldome show Moonbase- The Next Step which will have its German premiere at Jena. We will present example frames and animations from the film to show how Festoon helped the production process from storyboarding, reviewing animations and working collaboratively with other artists.

## AI DIGITAL DESIGN IN THE DOME, DEMONSTRATION AND DISCUSSION

**Patrick Geiss**

We are about to enter a new era, where artificial intelligence will be slowly integrated in our daily life. Like any technology it is a mighty tool that can be used for creating something unique and wonderful - but also something dreadful and horrific - depending on who is using this technology. I want to create awareness that we will have to be economically and socially prepared for what this technology will do to change our society and how we might see the world with it.



**NOT JUST FOR  
THE KIDS**

**LIVE at ZEISS-PLANETARIUM JENA**

## DIE OLCHIS - DAS GROSSE WELTRAUMABENTEUER

**Robert Sawallisch, Erhard Dietl, Dieter Faber**  
**Germany 2022 (47 min)**

Flying into space? Of course! When Prof. Brausewein builds a rocket, Olchi Grandpa and the Olchi children are immediately ready for an exciting journey. But then there are technical problems and suddenly Olchi Grandpa has also disappeared. Will all three of them make it back to Schmuddelfing in one piece? After millions of books sold and a feature film, there is now the first Olchi Planetarium film. (screened in german)

FEATURE FILM

## HAZELNUTS - IN SEARCH OF THE PERFECT PLANET

**Stéphane Bertrand, Damien Maugin,**  
**3D Emotion / Mediastro Promotion**  
**France 2022 (25 min)**

Once upon a time there was a sky full of marvellous planets, and on those planets were the most delicious super hazelnuts ever. At least that's what two greedy squirrels, Nino and Lilli, thought. But is the grass really greener elsewhere? Our squirrels try everything they can to leave Earth and answer that questions, but Leon the old owl prefers to lead them to his telescope and show them exactly what awaits them on planets.

FEATURE FILM

## ONCE UPON... MY STORY

**Francis Gélinas, Maki Media**  
**Germany, 2023 (22 min)**

Once upon a time ... children were invited to let their imagination run free and tell stories using their own words. Animated for the small screen, these charming, humorous adventures combine reality and fantasy, and immerse us in the unbridled imagination of children. A real treat!

FEATURE FILM



# SKY STORIES

LIVE at ZEISS-PLANETARIUM JENA

## BLACK HOLES - UNKNOWN HORIZONS

**Juan Felipe Orozco Cano, Double Dome Films Colombia 2023 (32 min)**

Talking about black holes forces us to wonder about space, time, and gravity, concepts that are not very intuitive and difficult to explain, but whose nature and behavior have played, and are destined to play, a fundamental role in the future of the cosmos. But... where does the need for black holes come from? What secrets do they keep inside?

FEATURE FILM

## LEGENDS OF THE STARRY REALM

**Petro Ivanov, Iryna Filipova, Fulldome Studio DN, Germany 2022 (7 min)**

Ride through the clouds to the rescue of the beautiful Andromeda. Stalk the evil Minotaur in the bewildering twists and turns of King Minos' terrifying Labyrinth. Travel with Orpheus and his magical harp through the heat of Hades in search of his beloved Euridice. Sail in an ancient ship beneath a sky filled with Legends that have transcended time.

SHORT FILM

## MOONBASE - THE NEXT STEP

**Jon Grafton, Graham Watts, Moonraker VFX, United Kingdom 2023 (20 min)**

The story of this human endeavour, pushing scientific and technological advances to the limit. Travelling the 250,000 miles and surviving the hostile and alien conditions of reduced gravity, extreme temperatures and toxic lunar dust, we explain the science and technology for this brave mission to happen. Follow our story filled with awe, danger, trepidation and share the wonder of the lunar environment made for 360 fulldome format.

FEATURE FILM

## BLACK HOLE FIRST PICTURE

**Robin Sip, Cosm Studios, Germany 2022 (25 min)**

Black Hole First Picture takes audiences on the quest to achieve the historic scientific mission to produce the first photo of a black hole. The film showcases beautiful cinematography of the worldwide radio sites that comprise the Event Horizon Telescope, including real-world footage captured at seven of the eight telescopes.

FEATURE FILM



# **UNDER THE MICROSCOPE**

**LIVE at ZEISS-PLANETARIUM JENA**

## OASIS

**Henry Amaya, Juan Garzón, Carlos Sandoval  
Colombia 2022 (8 min)**

Human-induced climate change since the early 20th century has resulted in increased atmospheric and ocean temperatures, changes in the global water cycle, reductions in the amount of snow and ice, and extreme weather events such as increases in intense precipitation in various regions.

OASIS shows some visualizations and a sonification of data about the global warming trend we are experiencing.

**SHORT FILM**

## MICROBES AND OTHER SHAMANIC BEINGS

**Carmen Gil Vrolijk, Camilo Giraldo Angel,  
César Giraldo Herrera, La Quinta del Lobo  
Colombia 2022 (8min)**

In his book "Microbes and Other Shamanic Beings" (2018, Palgrave Macmillan), Giraldo Herrera questions the translation of Amerindian notions in religious terms, which have been imposed by missionaries throughout history and suggests an alternative interpretation of the shamanic vision taking into account forms of entoptic microscopy (inside the eye), provided by the structure of the human retina.

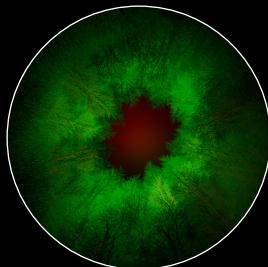
**SHORT FILM**

## WE ARE GUARDIANS

**NSC Creative  
United Kingdom 2022 (25 min)**

The world, its people and environments are connected and interdependent. From the smallest bacteria to the largest ocean whale; there exists a link between all things. In a world out of balance, We Are Guardians looks at how ecosystems are intrinsically connected and with the increasing use of Satellite Monitoring, examines the links between human activities and climate change.

**FEATURE FILM**



## I DON'T UNDERSTAND

**Agustina Covian, Alejandro Lucadamo, Colectivo 19  
Spain 2022 (12min)**

I DON'T UNDERSTAND is a visual poem that calls viewers to reflect on the human behavior towards planet earth. Our intention is to carry the viewers through a hypnotic and immersive experience where questions are raised subtly with fantasy and lyricism.

**SHORT FILM**



## UKRAINIAN SPACE

**Planetarium Noosphere, NGO "Aerospace Museum Center for Culture and Education of Youth"  
Ukraine 2022 (30 min)**

Discover the ancient Ukrainian names of constellations, unveil the sources of space-related imagination in the Ukrainian calendar and traditions, follow the starry path of the Milky Way like salt merchants Chumaks, travel through space and time to the origins of galaxies and cultures with paintings by Ukrainian artist Oleg Shupliak in a fulldome film "Ukrainian space" by Planetarium Noosphere!

**FEATURE FILM**



## BROKEN SPACE IN FRACTAL WAY

**Alejandro Casales, Esther Lamneck  
Mexico 2023 (9 min)**

The immersive work has its origin in my constant visits to the vegetables market, an authentic gallery of monsters where photosynthetic organisms are selling. The shape of each vegetable is not Euclidean, on the contrary, they are irregular like clouds, mountains, seashores and stars distances that Richard Bentley (1662-1742) once defined as relative beauties.

**SHORT FILM**

# DOUBLE FEATURE

## KYMAT & DENNIS RUDOLPH



**Friday, May 12th, 20:30 CET**

KYMAT has developed a system that makes sound waves of all kinds visible as water-sound images. Acoustic signals are translated into water waves, and the resulting geometric shapes have a peculiar beauty. The principle is known as cymatics, an experiential science that visualizes the sound structures in nature and, in our case, projects them into the dome of the planetarium. You will see with your ears and hear with your eyes. Chirping of crickets from the Amazon, shaman whistles and living plants worlds. Orchestral bells, harmonica sounds, synthesizer sounds and room echoes. The planetarium fills with clouds of sound that carry the audience into unusual spheres.

Dennis Rudolph invites you to the vernissage in the virtual gallery in the Dome. He is a conceptual artist working in the fields of augmented reality, virtual reality and painting. His artistic practice draws its inspiration from a melancholic reappraisal of the legacy of western culture.

Experience a unique exhibition that combines painting, VR, fulldome and sound. An app on the mobile phone allows artistic virtual figures to appear in the room.

The vernissage shows a unique project for the first time in the Dome.

Afterwards there will be an aftershow party with Sailé (Vision Salienz) to which you are cordially invited. Celebrate with the international fulldome scene.

Kindly supported by Spiegelarche & JenaKultur



**SATURDAY**  
**MAY 13th**



# PROGRAM AT A GLANCE

SATURDAY, MAY 13th

CET

<b>9:00-10:00</b>	<b>YOGA IN THE DOME (GERMAN SESSION)</b> with Sandra Stock
<b>10:00-11:00</b>	<b>YOGA IN THE DOME (GERMAN SESSION)</b> with Sandra Stock
<b>11:00-12:00</b>	<b>FRAMELESS FORUM I</b> with Sofia Mellino, Iania Canalis, Kate Ledina, Markus Schäfer, Julia Wachsmann & Matthias Grabi
<b>12:00</b>	<b>Lunch Break</b>
<b>13:00-14:30</b>	<b>FULLDOME FILMS</b> Meditative state
<b>15:00-16:50</b>	<b>FULLDOME FILMS</b> Between the sky and the earth
<b>17:00-18:00</b>	<b>FRAMELESS FORUM: FUTURE TALK</b> with Liese Endler, Kate McCallum, Ruth Coalson, Maximiliane Nirschl, Dennis Rudolph, Dr. Holger Becker, Dr. Andreas Schmidt, Sergey Prokofyev
<b>18:00</b>	<b>Dinner/Bar Break</b>
<b>19:00</b>	<b>JANUS AWARD ANNOUNCEMENTS</b>
<b>22:00 -06:00</b>	<b>WOMEN OF TECHNO</b> visualized by mandulis

- The exact schedule may vary -

**SATURDAY**  
**May 13th**



**ZEISS-PLANETARIUM JENA**  
**SEMINAR ROOM**

## INNOVATIVE PRODUCTION / POSTPRODUCTION WORKFLOW

**Sofia Mellino, Iania Canalis, Future Campus Ruhr**

Fly with us into innovative workflows for audio-visual fulldome creation.

Shifting technology; hacking drones by custom-made 3D printed attachment or the perforation of a wing of a 30-year-old aeroplane. Re-shaping immersive postproduction workflow with sustainable render goals. Digital twin technology applied for audio arrival time calculations and sound studio simulations. Get insight on how this Urban Symphony was born by a methodological approach with heavy technological research to capture the spirit of reinvention of a region in constant change.

## INTRODUCING THE JENA PREMIERE OF "DER TRAUMZAUBERBAUM"

**Markus Schäfer, Kate Ledina**

The legendary original album "Der Traumzauberbaum. Geschichtenlieder" from 1980 was visualized as a music radio play with impressive images especially for the fulldome format in the planetarium.

Children from the age of 4 and especially those who grew up with the dream magic tree equally enjoy the dreamlike story songs that unfold larger than life on the large 360° planetarium dome

## INTRODUCING THE KIDS SHOWS "DER KLEINE HÄWELMANN" AND "STERNENFEE UND MONDRITTER"

**Julia Wachsmann & Matthias Grabi**

Julia Kretschmer-Wachsmann is a Hamburg cultural worker.

As a humanities scholar, she did her doctorate on extraordinary spaces and she benefits from this competence in exploring the creative potential of places and spaces for her further profession as a trained soprano and singer. The stage as a place of staging and the arts becomes a creative space for her, also in interaction with other artists.

She writes screenplays for fulldome productions, which she directs and also acts as a producer.

Matthias Grabi is a jazz pianist, composer and bandleader. He has traveled to over 40 countries with his music and worked as an ocean pianist on cruise ships. He has been "Mondritter Konrad" at the Hamburg Planetarium since 2017 and is currently playing at the Hotel Vier Jahreszeiten in Hamburg.



# MEDITATIVE STATE

LIVE at ZEISS-PLANETARIUM JENA



## EARTH PEOPLE

**Tatoaraoz, Nacion Ekeko, Yuyo Studio  
Argentina 2023 (5 min)**

A fascinating valley becomes colorful by the energy of the people.

SHORT FILM



## RECOMBINATION THE FULLDOME JOURNEY

**Julius Horsthuis  
Netherlands 2023 (47 min)**

Recombination is the latest project from visionary fractal artist Julius Horsthuis. Realizing that the best way to enjoy his work is immersion, he collaborated with seven of his favorite musicians in order to create an abstract journey through music, space and mathematics.

Featuring original music composed by Michael Stearns, David Levy, Max Cooper, Desert Dwellers, Ben Lukas Boyen, Temple Invisible and Ott.

FEATURE FILM

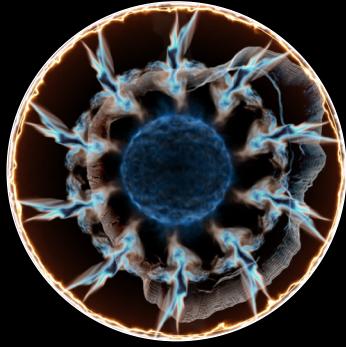


## RENOVANÇA

**Camila Leite, Juan Garzón, Carlos Sandoval  
Portugal 2022 (2 min)**

According to African matrix religions, Oxumaré are the entity that governs heaven and earth. Symbolized by the rainbow and the serpent. Oxumaré are a man and woman, is the prosperity that comes after the storms. It closes and clears old cycles and energizes new ones. In addition to it, the Tarot Tower symbolism: the tower that is demolished, breaking all old patterns. They are symbols that plow the land to make room for new plantings.

NEW TALENT



## ASFIXIA

**Briam Rolon**  
**Germany 2023 (3 min)**

An abstract Short film about my personal experience with breathing exercises and the different stages of the anapanasati sutta, a form of meditation that focuses on the breath. (beginning). Starting with a calm state and deep breaths, (middle) followed by distracting thoughts (disturbances) and entering into an alert/disturbed state with intense breathing, then comes a breath hold (drowned/asphyxiated) to finally return to a calm state restarting the cycle (end).

NEW TALENT



## SOUNDS OF THE OCEAN

**Joshua Sam Miller, Elise Lein,**  
**Embodied Sounds**  
**USA 2023 (25 min)**

Sounds of the Ocean is an immersive 360° experience to connect with the ocean and yourself. In this film, we combine sounds of whales & dolphins with original music, visual art and ocean imagery to take you on a deep dive. We are an award-winning UN Ocean Decade Activity and are committed to support ocean conservation and mental wellness around the world.

FEATURE FILM



# BETWEEN THE SKY AND THE EARTH

LIVE at ZEISS-PLANETARIUM JENA

## COSMONAUTE 360 - MISSION: RESCUE

**Jesús Pérez Irigoyen, Evelyn S. Becerra, Designare, Mexico 2022 (10 min)**

A captivating story dedicated to all the brave hearts willing to protect nature and change the world's attitude toward plastic consumption. The second episode of a series of family friendly contents that inspire the audience to celebrate friendship and curiosity. The Cosmo-explorers are on a mission to rescue a valuable treasure. Exploring the ocean they will face walls of plastic waste.

**SHORT FILM**

## OMNEJD

**Natalia Oliwiak, Johan Lundberg, Anna Öst Sweden/Poland 2022 (42 min)**

An immersive dome movie with spatial music which offers a meditative experience. The title Omnejd means close surroundings in Swedish, and the show takes viewers deep into a world of nature surrounding Norrköping in Sweden. Visuals and sounds were created based on 360-degree and macro video recordings of Swedish nature. The show invites you to a relaxing journey through abstract images and sounds, from wide landscapes to small details of varied life forms into the depths of ourselves.

**FEATURE FILM**

## ONE SKY

**Sebastien Gauthier 360 Productions Canada 2022 (44 min)**

One Sky is a collection of beautiful short films about constellations, astronomical instruments and scientific knowledge from various cultures around the world. Each chapter is presented in an original and engaging way with his own artistic style featuring the work of international artists.

**FEATURE FILM**

## FUTURE RUHR (2022)

**Sofia Mellino, Future Campus Ruhr NGO Germany 2022 (17 min)**

An urban symphony that evokes the splendour of mining and coal in the Ruhr area, arriving at its re-invention by the conjunction of art-science-technology. From a technical perspective, it's the first full-dome feature made entirely with original footage recorded with 360° cameras attached to drones and aeroplanes, containing 2D animation generated through the visual composition of the footage itself.

**NEW TALENT**

**SATURDAY  
MAY 13th**



**FRAMELESS  
FORUM  
FUTURE TALK**

**ZEISS-PLANETARIUM JENA**

## FUTURE TALK 2023

### Spatial Feeling Panel

The Jena FullDome Festival does not stop at any one definition of why the dome is special or what immersive media is all about. Each year, we review, reflect and discuss where the genre stands at the moment and where it might be branching out in the future.

Promoting fulldome means embracing openness toward new content in art, science and technology. It means exchanging innovative ideas that inspire our community and the global culture at large.

The FullDome Festivals is a self-learning organism, always questioning where we need to change to keep up with the evolution of all things in 360 degrees.

This said, we are tremendously pleased, proud and honored to announce who will be on stage in this year's FullDome Festival Future Talk. Each panelist will have the opportunity to make a brief individual statement, which is followed by interaction with other panelists and Q & A from the audience.

In case you cannot be in Jena at the time: The entire Future Talk will be streamed to the world live and for free! (Stream link will be published here). We look forward to hear and see what these experts and wonderful humans will have to say. The panel talk will be mostly in English.

Presented by Liese Endler, media artist and Fulldome festival co- director

With panel guests:

Kate McCallum, USA, Vortex Immersion

Ruth Coalson, UK, Fulldome Consultant, Festoon Software

Maximiliane Nirschl, Dancing Data

Dennis Rudolph, Mixed Reality Artist

Dr. Holger Becker, Member of Parliament (Bundestag) from Jena

Dr. Andreas Schmidt, Zeiss Planetarium division, Centennial of the Planetarium

Sergey Prokofyev: Architecture and Immersive Communication Tools

# GALA NIGHT



## AWARD NIGHT

JANUS AWARD CEREMONY  
SATURDAY May 13th, 19:00 CET

Live from the Zeiss-Planetarium Jena. The international Jury announces the winners of the Janus Awards. The ceremony will additionally be streamed live in 360! Announcements with MdB Holger Becker and jury members. With HiLabs Tesla special effects.



# CLUB NIGHT

## WOMEN OF TECHNO



**Saturday, May 13th, 22:00 - 06:00 CET**

The FullDome Festival transforms the Planetarium into a club together with the collective Women of Techno. For the first time you can rave with us all night long in the Dome. There will be two floors, both are safe places.

Main floor: Dome  
22-24h: Jelena (Women of Techno)  
00-03h: TØSCHE (Women of Techno)  
03-05h: Acidllerate (Vision Salienz)  
Visuals: Mandulis (WuT)

Second floor: Garden  
22-06h: Sound Society (Aroma+)  
Celebrate with us and international artists of the fulldome scene in the most extraordinary location of the city.

Praise the Dome! No hate just LOVE

We are a Safe Place and do not tolerate any form of discrimination. There will be an Awareness-Team, you will recognize them by the yellow armbands. You can contact us at any time, we are here for you. We will be supported by the „Drogerie“.



**SUNDAY**  
**MAY 14th**

# PROGRAM AT A GLANCE

**SUNDAY, May 14th**

Zum Abschluss des 17. FullDome Festival 2023 haben wir ein Programm zusammengestellt, das sich besonders an Kinder wendet.

Die dürfen aber gerne ihre Eltern mitbringen, denn die Großen werden die ausgewählten Fulldome Filme genauso mögen wie die Kleinen.

Es gibt schließlich eine Premiere nach der anderen!

12:00	DIE ABENTEUERLICHE REISE EINER MAUS ZUM MOND
13:00	DER TRAUMZAUBERBAUM
14:00	DER KLEINE HÄWELMANN
15:00	DIE STERNENFEE UND DER MONDRITTER
17:00	YOGA IN THE DOME (in german) mit Sandra Stock



LIVE at ZEISS-PLANETARIUM JENA

## DIE ABENTEUERLICHE REISE EINER MAUS ZUM MOND



**Stiftung Planetarium Berlin, Deutschland 2023 (50 min)**

Armstrong ist eine kleine Maus, die gerne den Nachthimmel und insbesondere den Mond beobachtet. Er findet heraus, dass der Mond nicht aus Käse ist, aber die anderen Mäuse glauben ihm nicht. Nach einigen ermutigenden Ratschlägen beschließt er, eine Rakete zu bauen und selbst zum Mond zu fliegen. Wird es der kleinen Maus gelingen, ihr ehrgeiziges Ziel zu erreichen?

Diese Show ist eine Adaption eines Kinderbuchs von Torben Kuhlmann.

## DER TRAUMZAUBERBAUM

**HO3RRAUM Media GbR  
Deutschland 2022 (45 min)**

Speziell für das kreisrunde Ganzkuppel-Format im Planetarium wurde das legendäre Originalalbum "Der Traumzauberbaum: Geschichtenlieder" von 1980 als ein Musik-Hörspiel mit beeindruckenden Bildern visualisiert. Die Show erweckt die Originalzeichnungen von Traumzauberbaum, Moosmutzel, Waldwuffel und vielen anderen Figuren durch behutsame Animationen zum Leben.



## DER KLEINE HÄWELMANN

**Dr. Julia Kretschmer-Wachsmann  
Deutschland 2022 (36 min)**

Der kleine Häwelmann will nicht einschlafen und in seinem Rollenbettchen immer weiter hin- und hergefahren werden: „mehr, mehr, mehr!“ ruft er eins ums andere Mal. Als seine Mutter längst schlafst, rollt der Kleine über einen Mondstrahl hinaus aus dem Zimmer, durch Stadt und Wald bis hinauf zu den Sternen.

Eine zauberhafte Neuinterpretation des Klassikers von Theodor Storm.



## DIE STERNENFEE UND DER MONDRITTER

**Deutschland 2022 (35 min)**



Zu dieser letzten Fulldome-Veranstaltung für Kinder erscheint sogar eine leibhaftige Sternenfee in Begleitung eines echten Mondritters im Planetarium! Mit ihrem Feenstab wünscht sich Astrella jede Nacht ans Himmelszelt. Dort zählt und putzt sie die Sterne blitzblank und singt ihr wunderbares Lied. Die Sternenfee vermag aber noch viel mehr: Sie kann die Sonne, den Mond oder sogar einen Regenbogen ans Firmament zaubern, außerdem den Regen fortsingen und weiß so einiges zu erzählen über Sonne, Mond und Sterne.

# fulldomefestival foundation

Producer  
Fulldome Festival Foundation

Venue  
Zeiss-Planetarium Jena  
Am Planetarium 5  
07743 Jena, Germany

Information  
[www.fulldome-festival.de](http://www.fulldome-festival.de)  
Facebook: FullDome Festival  
E-Mail: [r.metzner@fulldome-festival.de](mailto:r.metzner@fulldome-festival.de)  
[www.tickets.fulldome-festival.net/](http://www.tickets.fulldome-festival.net/)

Festival Team  
Micky Remann  
Robert Metzner  
Kate Ledina  
Liese Endler  
Stefan Harnisch  
Mohammad Jaradat  
Nadine Spindler



TOUCHDESIGNER  
BY DERIVATIVE

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